

Department of the Army

AD-A268 613

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FY 1994 Budget Estimates

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

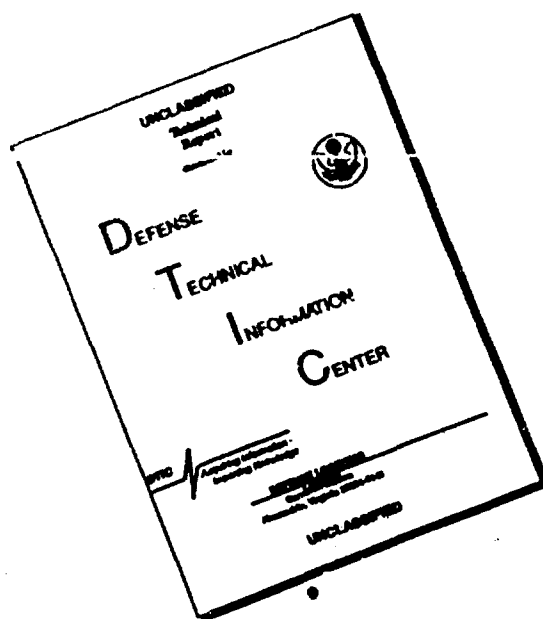


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US Army Corps
of Engineers

Army Family Housing

FY 1993

Budget Estimates

Office of the Chief Engineer
Engineering and Housing Support Center
Directorate of Army Housing
Fort Belvoir, VA 22060-6011

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)
 INSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
Alabama		Anniston Army Depot (AMC)			3
	41302	Ammunition Demilitarization Fac Ph IV	110,900	110,900	5
		Subtotal For Anniston Army Depot PART I	\$ 110,900	110,900	
		Fort Rucker (TRADOC)			9
	2095	Petroleum Lab and Fuel Storage	5,800	5,800	11
	10528	Operations Facility	1,150	1,150	14
	36037	Whole Barracks Renewal	20,000	20,000	17
		Subtotal For Fort Rucker PART I	\$ 26,950	26,950	
		* TOTAL MCA FOR Alabama	\$ 137,850	137,850	
Arizona		Fort Huachuca (TRADOC)			23
	1814	Battalion Headquarters	4,800	4,800	25
	38773	General Purpose Administrative Facility	4,050	4,050	28
		Subtotal For Fort Huachuca PART I	\$ 8,850	8,850	
		* TOTAL MCA FOR Arizona	\$ 8,850	8,850	
California		Fort Irwin (FORSCOM)			33
	31981	Whole Barracks Renewal	5,900	5,900	35
		Subtotal For Fort Irwin PART I	\$ 5,900	5,900	
		* TOTAL MCA FOR California	\$ 5,900	5,900	
Colorado		Fort Carson (FORSCOM)			41
	2220	Range Control Facility	4,050	4,050	43
		Subtotal For Fort Carson PART I	\$ 4,050	4,050	
		* TOTAL MCA FOR Colorado	\$ 4,050	4,050	

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)
 INSIDE THE UNITED STATES

STATE	INSTALLATION (COMMAND)	AUTHORIZATION APPROPRIATION		PAGE
PROJECT NUMBER	PROJECT TITLE	REQUEST	REQUEST	
Georgia	Fort Benning (TRADOC)			49
22546	Multipurpose Machine Gun Range	1,650	1,650	51
35301	Whole Barracks Renewal	17,500	17,500	54
35308	Barracks Modernization	18,500	18,500	57
	Subtotal For Fort Benning PART I	\$ 37,650	37,650	
	Fort Stewart (FORSCOM)			61
39137	Cargo Handling Facility	4,500	4,500	63
39141	Expand Ammunition Storage Area	3,600	3,600	66
39143	Railroad Track Improvement	2,000	2,000	69
39153	Hardstand	8,700	8,700	72
	Subtotal For Fort Stewart PART I	\$ 18,800	18,800	
	* TOTAL MCA FOR Georgia	\$ 56,450	56,450	
Hawaii	Schofield Barracks (USARPAC)			77
14840	Operations Facility	2,600	2,600	79
34642	Multi-Purpose Family Service Center	16,000	16,000	82
	Subtotal For Schofield Barracks PART I	\$ 18,600	18,600	
	* TOTAL MCA FOR Hawaii	\$ 18,600	18,600	
Kentucky	Fort Campbell (FORSCOM)			87
820	Dining Facilities Modernization	3,500	3,500	89
33345	Airfield Improvements	3,950	3,950	92
39057	Mobilization Warehouse	850	850	95
40217	Whole Barracks Renewal	32,000	32,000	98
	Subtotal For Fort Campbell PART I	\$ 40,300	40,300	
	Fort Knox (TRADOC)			101
3091	Whole Barracks Renewal	25,000	25,000	103
6895	Maintenance Facility	12,200	12,200	106
22332	Multipurpose Training Range	4,150	4,150	109

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)
 INSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION APPROPRIATION		PAGE
			REQUEST	REQUEST	
Kentucky		Fort Knox (TRADOC) (CONT.)			101
		Subtotal For Fort Knox PART I	\$ 41,350	41,350	
		* TOTAL MCA FOR Kentucky	\$ 81,650	81,650	
Maryland		Aberdeen Proving Ground (AMC)			115
	6792	Applied Instruction Facility	14,000	14,000	117
	17544	Target Assembly and Storage Facility	1,800	1,800	120
	29622	Upgrade Range Complex	4,450	4,450	124
		Subtotal For Aberdeen Proving Ground PART I	\$ 20,250	20,250	
		* TOTAL MCA FOR Maryland	\$ 20,250	20,250	
Missouri		Fort Leonard Wood (TRADOC)			129
	13576	Operations Facility	1,000	1,000	131
		Subtotal For Fort Leonard Wood PART I	\$ 1,000	1,000	
		* TOTAL MCA FOR Missouri	\$ 1,000	1,000	
Nevada		Hawthorne Army Ammunition Plant (AMC)			137
	40708	Container Holding Pads	7,000	7,000	139
		Subtotal For Hawthorne Army Ammunition Plant PART I	\$ 7,000	7,000	
		* TOTAL MCA FOR Nevada	\$ 7,000	7,000	
New Jersey		Fort Monmouth (AMC)			145
	2836	Satellite Control System Addition	7,500	7,500	147
		Subtotal For Fort Monmouth PART I	\$ 7,500	7,500	
		* TOTAL MCA FOR New Jersey	\$ 7,500	7,500	

DEPARTMENT OF THE ARMY
FISCAL YEAR 1994
MILITARY CONSTRUCTION (PART I)
(DOLLARS ARE IN THOUSANDS)
INSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
New Mexico		White Sands Missile Range (AMC)			153
	41204	Target Track	2,900	2,900	155
		Subtotal For White Sands Missile Range PART I	\$ 2,900	2,900	
		* TOTAL MCA FOR New Mexico	\$ 2,900	2,900	
New York		United States Military Academy (XXX)			161
	34548	Whole Barracks Renewal	13,800	13,800	163
		Subtotal For United States Military Academy PART I	\$ 13,800	13,800	
		* TOTAL MCA FOR New York	\$ 13,800	13,800	
North Carolina		Fort Bragg (FORSCOM)			169
	1731	Tactical Equipment Shop	23,000	23,000	171
	4641	Tactical Equipment Shop	7,100	7,100	175
	35358	Whole Brigade Barracks Complex	71,600	71,600	178
	40444	Sewage Treatment Plant Upgrade	540	540	182
		Subtotal For Fort Bragg PART I	\$ 102,240	102,240	
		* TOTAL MCA FOR North Carolina	\$ 102,240	102,240	
Oklahoma		Fort Sill (TRADOC)			187
	35242	Whole Barracks Renewal	15,700	15,700	189
		Subtotal For Fort Sill PART I	\$ 15,700	15,700	
		* TOTAL MCA FOR Oklahoma	\$ 15,700	15,700	
Pennsylvania		Tobyhanna Army Depot (AMC)			195
	32876	Water Pollution Abatement (DBOF)	750	750	197
		Subtotal For Tobyhanna Army Depot PART I	\$ 750	750	
		* TOTAL MCA FOR Pennsylvania	\$ 750	750	

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)
 INSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION APPROPRIATION		PAGE
			REQUEST	REQUEST	
South Carolina		Fort Jackson (TRADOC)			203
	3240	Operations Facility	1,100	1,100	205
	6936	Range Upgrade	1,600	1,600	208
		Subtotal For Fort Jackson PART I	\$ 2,700	2,700	
		* TOTAL MCA FOR South Carolina	\$ 2,700	2,700	
Texas		Fort Bliss (TRADOC)			213
	2255	Consolidated Maintenance Facility	14,000	14,000	215
		Subtotal For Fort Bliss PART I	\$ 14,000	14,000	
		Fort Hood (FORSCOM)			219
	22738	Whole Barracks Renewal	18,000	18,000	221
	22976	Cold/Dry Storage Facility	13,400	13,400	224
	31241	Tactical Equipment Shop	5,300	5,300	228
	33947	Test and Evaluation Support Facility	5,200	5,200	231
	37014	Close Combat Tactical Trainer Facility	7,500	7,500	234
		Subtotal For Fort Hood PART I	\$ 49,400	49,400	
	Fort Sam Houston (FORSCOM)			239	
5118	Multi-Purpose Family Service Center	4,351	4,351	241	
	Subtotal For Fort Sam Houston PART I	\$ 4,351	4,351		
	* TOTAL MCA FOR Texas	\$ 67,751	67,751		
Utah		Dugway Proving Ground (AMC)			247
	16299	Life Sciences Test Facility	16,500	16,500	249
		Subtotal For Dugway Proving Ground PART I	\$ 16,500	16,500	
		Tooele Army Depot (AMC)			253
	40537	Treaty Verification Facility	1,500	1,500	255
	Subtotal For Tooele Army Depot PART I	\$ 1,500	1,500		
	* TOTAL MCA FOR Utah	\$ 18,000	18,000		

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)
 INSIDE THE UNITED STATES

STATE	INSTALLATION (COMMAND)	AUTHORIZATION APPROPRIATION		PAGE
PROJECT NUMBER	PROJECT TITLE	REQUEST	REQUEST	
Virginia	Fort Belvoir (MDW)			261
9161	Operations Facility	860	860	263
	Subtotal For Fort Belvoir PART I	\$ 860	860	
	Fort Lee (TRADOC)			267
2571	Whole Barracks Renewal	20,000	20,000	269
2580	Applied Instruction Facility	12,600	12,600	272
	Subtotal For Fort Lee PART I	\$ 32,600	32,600	
	Fort Myer (MDW)			275
33965	Whole Barracks Renewal	6,800	6,800	277
	Subtotal For Fort Myer PART I	\$ 6,800	6,800	
	* TOTAL MCA FOR Virginia	\$ 40,260	40,260	
Washington	Fort Lewis (FORSCOM)			283
39078	Incinerator Building Completion	14,200	14,200	285
	Subtotal For Fort Lewis PART I	\$ 14,200	14,200	
	* TOTAL MCA FOR Washington	\$ 14,200	14,200	
US Various	Classified US Location (USVAR)			291
42169	Classified Project	3,000	3,000	293
	Subtotal For Classified US Location PART I	\$ 3,000	3,000	
	* TOTAL MCA FOR US Various	\$ 3,000	3,000	
	** TOTAL INSIDE THE UNITED STATES FOR MCA	\$ 630,401	630,401	

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)
 OUTSIDE THE UNITED STATES

STATE	PROJECT	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	PAGE
NUMBER	PROJECT TITLE		REQUEST	REQUEST	
Kwajalein		Kwajalein Atoll (USASDC)			297
		Kwajalein Atoll			
35900	Sewage Treatment Facility		11,200	11,200	299
36324	Unaccompanied Personnel Housing		10,000	10,000	302
		Subtotal For Kwajalein Atoll PART I	\$ 21,200	21,200	
		* TOTAL MCA FOR Kwajalein	\$ 21,200	21,200	
Overseas Various		Classified Location (FORVAR)			307
		Classified Location			
27533	Communications Maintenance Facility		3,600	3,600	309
		Subtotal For Classified Location PART I	\$ 3,600	3,600	
		* TOTAL MCA FOR Overseas Various	\$ 3,600	3,600	
		** TOTAL OUTSIDE THE UNITED STATES FOR MCA	\$ 24,800	24,800	

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)
 WORLDWIDE

STATE	PROJECT	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	PAGE
---	NUMBER	PROJECT TITLE	REQUEST	REQUEST	---
		Worldwide Various Minor Construction (MINEXG)			315
	28464	Unspecified Minor Construction	12,000	12,000	317
		Subtotal For Minor Construction PART I	\$ 12,000	12,000	
		Planning and Design (PLANDES)			319
	37156	Planning and Design	84,441	84,441	321
	37214	Host Nation Support	25,000	25,000	323
		Subtotal For Planning and Design PART I	\$ 109,441	109,441	
		* TOTAL MCA FOR Worldwide Various	\$ 121,441	121,441	
		** TOTAL WORLDWIDE FOR MCA	\$ 121,441	121,441	
		MILITARY CONSTRUCTION (PART I) TOTAL	\$ 776,642	776,642	

FY 94 MCA Construction Projects

State -----	Location -----	Project -----	Cost (\$000) -----	New/ Current -----
Inside The United States				
Alabama	Anniston Army Depot	Ammunition Demilitarization Fac Ph IV	110,900	N
Alabama	Fort Rucker	Petroleum Lab and Fuel Storage	5,800	C
Alabama	Fort Rucker	Operations Facility	1,150	C
Alabama	Fort Rucker	Whole Barracks Renewal	20,000	C
Arizona	Fort Huachuca	Battalion Headquarters	4,800	C
Arizona	Fort Huachuca	General Purpose Administrative Facility	4,050	C
California	Fort Irwin	Whole Barracks Renewal	5,900	C
Colorado	Fort Carson	Range Control Facility	4,050	C
Georgia	Fort Benning	Multipurpose Machine Gun Range	1,650	C
Georgia	Fort Benning	Whole Barracks Renewal	17,500	C
Georgia	Fort Benning	Barracks Modernization	18,500	C
Georgia	Fort Stewart	Cargo Handling Facility	4,500	C
Georgia	Fort Stewart	Expand Ammunition Storage Area	3,600	C
Georgia	Fort Stewart	Railroad Track Improvement	2,000	C
Georgia	Fort Stewart	Hardstand	8,700	C
Hawaii	Schofield Barracks	Operations Facility	2,600	C
Hawaii	Schofield Barracks	Multi-Purpose Family Service Center	16,000	C
Kentucky	Fort Campbell	Dining Facilities Modernization	3,500	C
Kentucky	Fort Campbell	Airfield Improvements	3,950	C
Kentucky	Fort Campbell	Mobilization Warehouse	850	C
Kentucky	Fort Campbell	Whole Barracks Renewal	32,000	C
Kentucky	Fort Knox	Whole Barracks Renewal	25,000	C
Kentucky	Fort Knox	Maintenance Facility	12,200	C
Kentucky	Fort Knox	Multipurpose Training Range	4,150	C
Maryland	Aberdeen Proving Ground	Applied Instruction Facility	14,000	C
Maryland	Aberdeen Proving Ground	Target Assembly and Storage Facility	1,800	C
Maryland	Aberdeen Proving Ground	Upgrade Range Complex	4,450	C
Missouri	Fort Leonard Wood	Operations Facility	1,000	C
Nevada	Hawthorne AAP	Container Holding Pads	7,000	C
New Jersey	Fort Monmouth	Satellite Control System Addition	7,500	C
New Mexico	White Sands Missile Range	Target Track	2,900	C
New York	U S Military Academy	Whole Barracks Renewal	13,800	C
North Carolina	Fort Bragg	Tactical Equipment Shop	23,000	C
North Carolina	Fort Bragg	Tactical Equipment Shop	7,100	C
North Carolina	Fort Bragg	Whole Brigade Barracks Complex	71,600	C
North Carolina	Fort Bragg	Sewage Treatment Plant Upgrade	540	C
Oklahoma	Fort Sill	Whole Barracks Renewal	15,700	C

FY 94 MCA Construction Projects

State -----	Location -----	Project -----	Cost (\$000) -----	New/ Current -----
Inside The United States				
Pennsylvania	Tobyhanna Army Depot	Water Pollution Abatement	750	C
South Carolina	Fort Jackson	Operations Facility	1,100	C
South Carolina	Fort Jackson	Range Upgrade	1,600	C
Texas	Fort Bliss	Consolidated Maintenance Facility	14,000	C
Texas	Fort Hood	Whole Barracks Renewal	18,000	C
Texas	Fort Hood	Cold/Dry Storage Facility	13,400	C
Texas	Fort Hood	Tactical Equipment Shop	5,300	C
Texas	Fort Hood	Test and Evaluation Support Facility	5,200	C
Texas	Fort Hood	Close Combat Tactical Trainer Facility	7,500	N
Texas	Fort Sam Houston	Multi-Purpose Family Service Center	4,351	C
Utah	Dugway Proving Ground	Life Sciences Test Facility	16,500	C
Utah	Tooele Army Depot	Treaty Verification Facility	1,500	N
US Various	Classified US Location	Classified Project	3,000	C
Virginia	Fort Belvoir	Operations Facility	860	C
Virginia	Fort Lee	Whole Barracks Renewal	20,000	C
Virginia	Fort Lee	Applied Instruction Facility	12,600	C
Virginia	Fort Myer	Whole Barracks Renewal	6,800	C
Washington	Fort Lewis	Incinerator Building Completion	14,200	C
Outside The United States				
Kwajalein	Kwajalein Atoll	Sewage Treatment Facility	11,200	C
Kwajalein	Kwajalein Atoll	Unaccompanied Personnel Housing	10,000	C
Overseas Various	Classified Location	Communications Maintenance Facility	3,600	C
Worldwide Various	Minor Construction	Unspecified Minor Construction	12,000	
Worldwide Various	Planning and Design	Planning and Design	84,441	
Worldwide Various	Planning and Design	Host Nation Support	25,000	
Total Cost of New Mission projects (3)			\$ 119,900	
Total Cost of Current Mission projects (55)			\$ 535,301	
Total Cost of other line items (3)			\$ 121,441	
Total Cost of FY 94 MCA Projects (61)			\$ 776,642	

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1994

INSTALLATION LIST

INSTALLATION	MACOM	1390 PAGE
A —		
Aberdeen Proving Ground	AMC	115
Anniston Army Depot	AMC	3
B —		
Fort Belvoir	MDW	261
Fort Benning	TRADOC	49
Fort Bliss	TRADOC	213
Fort Bragg	FORSCOM	169
C —		
Fort Campbell	FORSCOM	87
Fort Carson	FORSCOM	41
Classified US Location	USVAR	291
Classified Location	FORVAR	307
D —		
Dugway Proving Ground	AMC	247
H —		
Hawthorne Army Ammunition Plant	AMC	137
Fort Hood	FORSCOM	219
Fort Sam Houston	FORSCOM	239
Fort Huachuca	TRADOC	23
I —		
Fort Irwin	FORSCOM	33

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1994

INSTALLATION LIST

<u>INSTALLATION</u>		<u>MACOM</u>	<u>1390</u> <u>PAGE</u>
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Fort Jackson		TRADOC	203
	<u>K</u>		
Fort Knox		TRADOC	101
Kwajalein Atoll		USASDC	297
	<u>L</u>		
Fort Lee		TRADOC	267
Fort Lewis		FORSCOM	283
	<u>M</u>		
Fort Monmouth		AMC	145
Fort Myer		MDW	275
Minor Construction		MINEXG	315
	<u>P</u>		
Planning and Design		PLANDES	319
	<u>R</u>		
Fort Rucker		TRADOC	9
	<u>S</u>		
Schofield Barracks		USARPAC	77
Fort Sill		TRADOC	187
Fort Stewart		FORSCOM	61

DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1994

INSTALLATION LIST

<u>INSTALLATION</u>	<u>MACOM</u>	<u>1390 PAGE</u>
T —		
Tobyhanna Army Depot	AMC	195
Tooele Army Depot	AMC	253
U —		
United States Military Academy	XXX	161
W —		
White Sands Missile Range	AMC	153
Fort Leonard Wood	TRADOC	129

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DEPARTMENT OF THE ARMY
MILITARY CONSTRUCTION (PART I) FY 1994

COMMAND SUMMARY

<u>MAJOR ARMY COMMAND NAME</u>	<u>AUTHORIZATION REQUEST</u>	<u>APPROPRIATION REQUEST</u>
 <u>INSIDE THE UNITED STATES</u>		
US Army Materiel Command	167,300	167,300
US Army Forces Command	239,241	239,241
US Army Military District of Washington	7,660	7,660
US Army Training and Doctrine Command	180,800	180,800
US ARMY PACIFIC	18,600	18,600
Various US Army Major Commands-Foreign	3,000	3,000
United States Military Academy	13,800	13,800
 <u>OUTSIDE THE UNITED STATES</u>		
Assistant Chief of Engineers	3,600	3,600
US Army Strategic Defense Command	21,200	21,200
 <u>WORLDWIDE</u>		
Military Construction, Army-Minor	12,000	12,000
Assistant Chief of Engineers	25,000	25,000
Planning and Design	84,441	84,441
 TOTAL	 776,642	 776,642

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DEPARTMENT OF DEFENSE
MILITARY CONSTRUCTION, ARMY

The military construction program for the active Army in terms of budget plans shown in the schedules of this title are summarized in the following tabulation:

<u>FISCAL YEAR</u>	<u>MILITARY CONSTRUCTION, ARMY BUDGET PLAN</u>
FY 1992 (Actual)	894,899,000
FY 1993 (Actual)	437,070,000
FY 1994 (Request)	776,642,000

1. Major Construction. The MCA major construction program is one of the most visible means of improving the working and living conditions of the Army Family. This program provides for military construction projects in the United States and overseas as authorized in currently effective Military Construction Acts and in the new Authorization Request which will be presented to the Congress early in 1993.

This request funds the Army's most critical facilities needs within the context of changing force structure and fiscal constraints. The Army's facilities strategy is to:

- Provide Sufficient Resources
- Focus the Investment
- Reduce Facility Inventory

The Focus of investment is on revitalization of facilities at installations which remain after base closure actions. In the current year, investment is primarily directed toward improving living conditions for the single soldier and the Army's worldwide power projection capability at CONUS installations.

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.

3. Planning. This provides for necessary planning of military construction projects including design, host nation support, standards, surveys, studies, and other related activities.

4. Supporting Activities. Provides for the Defense Access Road Program.

Department of Defense

MILITARY CONSTRUCTION, ARMY
[INCLUDING RESCISSIONS]

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 [\$425,270,000] \$776,642,000, to remain available until September 30, [1997] 1998: *Provided*, That of this amount, not to exceed [\$110,000,000] \$109,441,000 shall be available for study, planning, design, architect and engineer services, 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 his determination and the reasons therefor.

10 USC 2675, 2802-05, 2807, 2828, 2851-54, 2857; Military Construction Appropriations Act, 1993; additional authorizing legislation to be proposed.

Military Construction, Army
Program and Financing (in Thousands of dollars) SUMMARY

Budget Plan (amounts for MILITARY
CONSTRUCTION actions programmed)

Identification code	21-2050-0-1-051	1992 actual	1993 est.	1994 est.
Program by activities:				
Direct program:				
00.0101	Major construction	764,899	315,270	655,201
00.0201	Minor construction	11,000	5,500	12,000
00.0301	Planning	113,000	116,300	109,441
00.0401	Supporting activities	6,000		
00.9101	Total direct program	894,899	437,070	776,642
01.0101	Reimbursable program	1,780,662	1,800,000	1,500,000
10.0001	Total	2,675,561	2,237,070	2,276,642

Financing:

Offsetting collections from:

11.0001	Federal funds(-)	-1,533,249	-1,550,000	-1,120,000
13.0001	Trust funds(-)	-247,413	-250,000	-380,000
14.0001	Non-Federal sources(-)			
17.0001	Recovery of prior year obligations			
21.4002	Unobligated balance available, start of year:			
21.4003	For completion of prior year budget plans			
21.4009	Available to finance new budget plans	-39,000		
22.0001	Reprogramming from/to prior year budget plans	-25,817		
	Unobligated balance transferred to other accounts	-11,131	-6,300	
24.4002	Unobligated balance available, end of year:			
25.0001	For completion of prior year budget plans	6,733		
	Unobligated balance expiring			
39.0001	Budget authority	825,684	430,770	776,642

Budget authority:

40.0001	Appropriation	823,970	430,770	776,642
41.0001	Transferred to other accounts (-)	-5,000		
42.0001	Transferred from other accounts	6,714		
43.0001	Appropriation (adjusted)	825,684	430,770	776,642

Relation of obligations to outlays:

71.0001	Obligations incurred			
72.4001	Obligated balance, start of year			
74.4001	Obligated balance, end of year			
77.0001	Adjustments in expired accounts (net)			
78.0001	Adjustments in unexpired accounts			
90.0001	Outlays (net)			

Military Construction, Army
Program and Financing (in Thousands of dollars) SUMMARY

Obligations

Identification code	21-2050-0-1-051	1992 actual	1993 est.	1994 est.
Program by activities:				
Direct program:				
00.0101	Major construction	736,344	572,582	709,684
00.0201	Minor construction	15,058	6,071	10,800
00.0301	Planning	105,325	126,573	98,699
00.0401	Supporting activities		1,020	
00.9101	Total direct program	856,727	706,246	819,183
01.0101	Reimbursable program	1,846,119	1,800,000	1,500,000
10.0001	Total	2,702,846	2,506,246	2,319,183
Financing:				
Offsetting collections from:				
11.0001	Federal funds(-)	-1,523,375	-1,550,000	-1,120,000
13.0001	Trust funds(-)	-246,202	-250,000	-380,000
14.0001	Non-federal sources(-)	3,222		
17.0001	Recovery of prior year obligations	-119,489		
21.4002	Unobligated balance available, start of year:			
21.4003	For completion of prior year budget plans	-700,126	-752,206	-483,030
21.4009	Available to finance new budget plans	-39,000		
22.0001	Reprogramming from/to prior year budget plans	-11,131	-6,300	
24.4002	Unobligated balance transferred to other accounts	752,206	483,030	440,489
25.0001	Unobligated balance available, end of year:	6,733		
25.0001	Unobligated balance expiring			
39.0001	Budget authority	825,684	430,770	776,642
Budget authority:				
40.0001	Appropriation	823,970	430,770	776,642
41.0001	Transferred to other accounts (-)	-5,000		
42.0001	Transferred from other accounts	6,714		
43.0001	Appropriation (adjusted)	825,684	430,770	776,642
Relation of obligations to outlays:				
71.0001	Obligations incurred	936,491	706,246	819,183
72.4001	Obligated balance, start of year	622,107	893,547	782,762
74.4001	Obligated balance, end of year	-893,547	-782,762	-838,562
77.0001	Adjustments in expired accounts (net)	603		
78.0001	Adjustments in unexpired accounts	-119,489		
90.0001	Outlays (net)	546,165	817,031	763,383

Military Construction, Army
Object Classification (in Thousands of dollars) SUMMARY

Identification code	21-2050-0-1-051	1992 actual	1993 est.	1994 est.
Direct obligations:				
Personnel compensation:				
111.101	Full-time permanent	38,781	31,947	37,535
111.301	Other than full-time permanent	864	705	829
111.501	Other personnel compensation	18	15	17
111.901	Total personnel compensation	39,663	32,667	38,381
112.101	Personnel Benefits: Civilian personnel	17,193	14,175	16,655
121.001	Travel and transportation of persons	4,707	3,879	4,557
122.001	Transportation of things	152	141	166
123.301	Communications, utilities, and miscellaneous charges	202	141	166
124.001	Printing and reproduction	703	564	663
125.201	Other services:			
	Payments to foreign national indirect hire personnel	2,017	1,693	1,989
125.203	Contracts	170,542	140,410	164,972
126.001	Supplies and materials	291	212	249
131.001	Equipment	403	353	414
132.001	Land and structures	620,854	510,991	583,321
199.001	Total Direct obligations	856,727	705,226	811,533
Reimbursable obligations:				
Personnel Compensation:				
211.101	Full-time permanent	189,476	184,680	153,900
211.301	Other than full-time permanent	8,885	8,640	7,200
211.501	Other personnel compensation	2	2	2
211.901	Total personnel compensation	198,363	193,322	161,102
212.101	Personnel Benefits: Civilian Personnel	30,743	30,060	25,050
221.001	Travel and transportation of persons	10,231	9,900	8,250
222.001	Transportation of things	2,717	2,700	2,250
223.301	Communications, utilities, and miscellaneous charges	59,736	58,320	48,600
224.001	Printing and reproduction	1,086	1,080	900
225.201	Other services:			
	Payments to foreign national indirect hire personnel	104	180	150
225.204	Other	606,473	591,300	492,750
231.001	Equipment	31,867	31,140	25,950
232.001	Land and structures	904,799	881,998	734,998
299.001	Total Reimbursable obligations	1,846,119	1,800,000	1,500,000
Allocation Accounts				
Personnel compensation:				
311.101	Full-time permanent		20	148
311.501	Other personnel compensation		3	20

Military Construction, Army
Object Classification (in Thousands of dollars) SUMMARY

Identification code	21-2050-0-1-051	1992 actual	1993 est.	1994 est.
312.101	Personnel benefits: Civilian personnel	3	3	20
321.001	Travel and transportation of persons	3	3	21
322.001	Transportation of things	1	1	9
	Other services:			
325.204	Other	15	15	116
326.001	Supplies and materials	2	2	14
331.001	Equipment	2	2	12
332.001	Land and structures	971	971	7,290
399.001	Total Allocation Accounts	1,020	1,020	7,650
999.901	Total obligations	2,702,846	2,506,246	2,319,183

Special Program Considerations
Fiscal Year 1994

SECTION I

ITEMS OF SPECIAL INTEREST

Environmental Protection

In accordance with Section 102(2) (c) of the National Environmental Policy Act of 1969 (PL 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in the Military Construction Program.

Pollution Abatement

The military construction projects proposed in this program will be designed to meet environmental standards. Military construction projects proposed primarily for abatement of existing pollution problems at installations have been reviewed to ensure that corrective design is accomplished in accordance with specific standards and criteria.

Floodplain Management and Wetlands Protection

Proposed land acquisitions, disposal, and installation construction projects have been planned to allow the proper management of floodplains and the protection of wetlands by avoiding long and short-term adverse impacts, reducing the risk of flood losses and minimizing the loss or degradation of wetlands. Project planning is in accordance with the requirements of Executive Order Nos. 11988 and 11990.

Design for Accessibility of Physically Handicapped Personnel

In accordance with Public Law 90-480, provisions for physically handicapped persons are provided for, where appropriate, in the design of facilities included in this program.

Preservation of Historical Sites and Structures

Facilities included in the program do not directly or indirectly affect a district, site, building, structure, object or setting listed in the National Register of Historic Places, except as noted on the DD Form 1391.

Resolution Trust Corporation Real Estate Assets

In accordance with guidance contained in Senate Report 101-384, page 282, the Army has screened the fiscal year 1994 construction requirements against the Resolution Trust Corporation's (RTC) Real Estate Asset Inventory. The screening process included Military Construction, Army (MCA), Army Family Housing (AFH), and Base Closure Account (BCA) construction programs. None of the properties listed in the RTC assets inventory will meet the facility or housing needs of the Army at this time. The Army will continue to monitor the RTC inventory of assets in the future to determine if our facility needs can be economically met by the purchase of RTC assets.

Economic Analysis

Economics are an inherent aspect of project development and design of military construction projects. Therefore, all projects included in this program represent the most economical use of resources. Where alternatives can be evaluated, a life cycle cost economic analysis was prepared and the results indicated on the DD Form 1391. If there were no viable alternatives for analysis, an explanation is provided on the DD Form 1391.

Concrete Technology

The House Armed Services Committee Report #101-121, page 338, recommended that the Secretary of Defense undertake an investigation of new concrete technologies and further recommended that services include three demonstration projects in their fiscal year 1991 budget requests. Most laboratory tests on concrete made with blended hydraulic cement were completed by the U.S. Army Corps of Engineers in April 1992. Material cost of the cement is approximately three times that of conventional Portland Cement. When the life cycle cost analysis of planned facilities demonstrates that operational and time savings realized through the use of blended hydraulic cement offset its higher material and construction costs, those facilities will include blended hydraulic cement requirements in the design and construction. At this time none of the services can identify suitable, cost effective MILCON demonstration projects that would benefit by the specialized features of blended hydraulic cement. However, each service is aware of the rapid set properties of the cement and will consider its use for maintenance or repair projects having such requirements.

Alternative Funding Sources for Overseas Projects

Conference Report No. 100-498 (Making Further Continuing Appropriations for the Fiscal Year Ending September 30, 1988), pg. 1003 directs that future budget requests include an eligibility certificate for each project requested in Europe, Japan, and Korea. All overseas projects are considered for funding in Europe by NATO Infrastructure, in Japan by the Facilities Improvement Program, and in Korea by either the Combined Defense Improvement Projects or the Republic of Korea Funded Construction programs. Projects in Europe to be funded with residual value funds will state whether or not the project is eligible for NATO Infrastructure funds. The additional paragraph of each overseas DD Form 1391 includes the certification as to alternate funding eligibility.

Use of NATO Infrastructure Funds

The Conference Appropriation Committee Report #102-236, p. 8, states the Committees endorse the use of NATO Infrastructure funding for eligible projects in the U.S. NATO has adopted a new strategic concept which emphasizes mobility and reinforcement of forces from member nations. The U.S. has identified CONUS embarkation facilities to seek possible NATO funding at Forts Hood, TX, Riley, KS, and Benning, GA; and Military Ocean Terminals Bayonne, NJ, and Sunny Point, NC. Facilities requirements will be included in Infrastructure Capability Packages (ICP) for NATO which link military requirements with force goals. ICPs will be prepared when these force goals are finalized.

Chemical Weapons Disposal

The Fiscal Year 1994 Budget contains a project in Fiscal Year 1994 to continue the incremental funding needed to construct a second Chemical Disposal facility in the United States at Anniston Army Depot, Alabama, and a project to construct a treaty verification facility to complement the disposal facility constructed at Tooele Army Depot, Utah.

Tooele Army Depot, Utah

Treaty Verification Facility \$ 1,500,000

Anniston Army Depot, Alabama

Ammunition Demilitarization Facility 110,900,000

Projects for Chemical Disposal facilities to be constructed at the following remaining locations along with depot support projects will be included in subsequent budgets requests:

Umatilla Depot Activity, Oregon
Pine Bluff Arsenal, Arkansas
Pueblo Depot Activity, Colorado
Lexington-Bluegrass Army Depot, Kentucky
Aberdeen Proving Ground, Maryland
Newport Army Ammunition Plant, Indiana

Energy Conservation Program

The House Appropriations Committee Report #102-580, p. 3, recommends the Department include funds for energy conservation in the fiscal year 1994 budget submission along with a five year program of energy conservation. The fiscal year 1993 Appropriations Act approved \$60.5 million in Defense Agency funds to support the Department of Defense's Energy Conservation Investment Program (ECIP). The FY93 funds include \$10 million for renewable energy projects, currently under review by the Tri-Service Renewable Energy Committee, and \$0.5 million for a study on increased use of natural gas in DoD. The five year funding guidance (FY93-97) from the Office of the Secretary of Defense for the Army's portion of the remaining \$50 million was \$12.8 million/year. The Army project submission for FY93 was \$12.96 million. Army ECIP projects in excess of \$18.0 million have been identified and are under review for the FY94 program.

Construction and Basing Plans for New Major Army Weapon Systems

Section 2828 of Public Law 102-190, the FY92 Authorization Act, directs the Department of Defense to provide a full siting plan for each new major weapon system when the first increment of military construction is requested and that full siting plans for the systems be provided with the annual budget request. For the Army, there are no new major weapon systems being introduced in the FY94 Budget. Therefore, no siting plans are required.

Kwajalein Contracting and Packaging Plan

The House Appropriations Committee Report #102-74, p. 8, approved eight construction projects on Kwajalein and encouraged the Army to pursue the packaging of contracts where appropriate, to include multi-year packaging in order to achieve cost savings. A large construction package was awarded to an American contractor (H.B. Zachery of San Antonio, Texas) on 21 September 1992. The package included three Military Construction, Army projects worth \$40 million, plus BMAR and Defense funded projects totaling \$30 million. Another package was solicited in December 1992 containing two MILCON and various BMAR projects. The two Army projects should exhaust the \$47.4 million FY92 appropriation. The remaining Army projects will be solicited in May 1993 and funded using available bid savings from previous awards.

This contracting and packaging plan could result in lower construction costs. The construction cost index at Kwajalein is 2.5. Construction costs are two and one-half times the normal cost of construction in the United States because of the remoteness of Kwajalein. Once there are two contractors on site in Kwajalein, future projects should benefit from more competitive bids and reduced contractor mobilization costs.

Fiscal Year 1994

SECTION II

CONSTRUCTION FUNDED IN OTHER THAN MILITARY CONSTRUCTION

Appropriated Funds

Conference Report No. 100-498, Making Further Continuing Appropriations For The Fiscal Year Ending September 30, 1988 directed that an information exhibit be included in each budget request indicating construction to be accomplished with funds other than family housing and military construction. A listing is attached at the end of this section which includes:

- A. Procurement
- B. Other Appropriations (Major Repair and Minor Construction)
 - Research, Development, Testing and Evaluation (RDTE)
 - Operation and Maintenance, Army (OMA)
 - Operation and Maintenance, Army Reserve (OMAR)
- C. Overseas Residual Value
 - Military Construction
 - Real Property Maintenance

CONSTRUCTION FUNDED IN OTHER THAN MILCON - FY94

A. Procurement

<u>APPROPRIATION/ LOCATION</u>	<u>COST PROJECT TITLE</u>	<u>ESTIMATE \$000</u>
AMMO		
Holston AAP, TN	Industrial Wastewater Monitoring System	217
Holston AAP, TN	Construct Flyash/Sanitary Landfill	1,834
Lake City AAP, MO	Replace Waste Line Building 1	306
Lone Star AAP, TX	Burners/Controls Fans - Building F-29	538
Lone Star AAP, TX	B-Line Barricades	742
Milan AAP, TN	Repair Rout 23	500
Radford AAP, VA	Access Walkways to Tanks in Solvent Area	1,333
Radford AAP, VA	Nitrogen Oxide (NOx) Abatement System	889
Radford AAP, VA	Upgrade Ventilation for Propellant Buildings	16,448
MSL		
Redstone Arsenal, AL	Rehab Rocket Motor Facility	2,300

B. Other Appropriations

(FY94 Minor Construction - projects less than \$300,000)

<u>APPROPRIATION</u>	<u>BUDGET ESTIMATE</u>
Operation & Maintenance, Army (OMA)	46,500
Research, Development, Test and Evaluation (RDTE)	1,900
Operation & Maintenance, Army Reserve (OMAR)	418
Operation & Maintenance, Army National Guard (OMANG)	5,200

CONSTRUCTION FUNDED IN OTHER THAN MILCON - FY94

C. Overseas Residual Value

In accordance with guidance contained in Senate Report 102-355, page 8-9, which accompanied the FY93 MILCON Appropriations Bill, the Army is seeking to use Host Nation funding and residual value to fund infrastructure requirements overseas. The Army will first seek Host Nation Support where possible. The Army will then seek to reinvest residual value amounts into the Army's facility infrastructure requirements which support residual forces stationed at military bases outside the United States, or to permit the Host nation to construct capital improvements in lieu of direct payments. Fiscal Year 1993 legislation permits the use of residual value under two separate authorities:

Overseas Military Facility Investment Recovery Account (FY93 Defense Authorization Act, PL 102-484 (106 STAT. 2609))

This authorizes the use of residual value payments to be used overseas for facility maintenance and repair or environmental compliance. This also permits the Secretary of Defense to enter into negotiations for Payment-in-Kind, which could include construction of facilities.

Residual Value Credits (FY93 Defense Appropriations Act, PL 102-396 (106 STAT. 1913))

This permits separate accounts for NATO member states for deposit of residual value amounts which can then be used for facility construction or real property maintenance.

The Army will pursue residual value negotiations with the Host Nation governments to fund the following requirements with a combination of payment-in-kind and cash receipts.

<u>TYPE OF WORK</u>	<u>DESCRIPTION</u>	<u>COST ESTIMATE</u>
Real Property Maintenance		
	Repairs exceeding \$15,000	\$147,742,000
Major Construction Projects (1391s attached)		
	Grafenwoehr, GE Landfill	18,000,000
	Hohenfels, GE Upgrade Sewer System	25,000,000

1. COMPONENT ARMY	FY 1994	MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION Grafenwoehr Training Area Grafenwoehr, Germany	4. PROJECT TITLE Sanitary Landfill Expansion
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5. PROGRAM ELEMENT 22056A	6. CATEGORY CODE 833	7. PROJECT NUMBER 34513	8. PROJECT COST (\$000) Auth Approp
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9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY				15,760
Leachate Treatment Plant	LS	--	--	(5,040)
Water Proof Work	CY	98,400	61.68	(6,070)
Gas Exhaust Line	LF	5,600	26.21	(147)
Gas Wells	EA	5	14,364	(72)
Gas Collection Line	LF	2,800	26.41	(74)
Total from Continuation page				(4,357)
SUPPORTING FACILITIES				162
Electric Service	LS	--	--	(91)
Information Systems	LS	--	--	(71)
ESTIMATED CONTRACT COST				15,922
CONTINGENCY PERCENT (5.00%)				796
SUBTOTAL				16,718
SUPERVISION, INSPECTION & OVERHEAD (6.50%)				1,087
TOTAL REQUEST				17,805
TOTAL REQUEST (ROUNDED)				18,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS				(4)

10. Description of Proposed Construction Expand and improve a sanitary landfill in accordance with German and US environmental requirements. Work includes leachate treatment plant, earth work, ground sealing work (to separate contaminants from ground water), drainage, gas exhaust lines and gas wells, gas collection lines, gas regulator station, gas cleaning plant, gas power plant, gas collection tank, seepage water lines, gravel road, asphalt road, maintenance building, wood shredder, utility and energy monitoring and control system (UEMCS) substation and connections, security fencing with gates, and Host Nation Testing, Quality Control, and Inspection. Supporting facilities include electric lines, lighting, and information systems. Dud clearance is required.

11. **REQUIREMENT:** 22,000 TN ADEQUATE: NONE SUBSTANDARD: 17,000 TN
PROJECT: Expand and improve a sanitary landfill at Grafenwoehr Training Area (GTA). (Current Mission)
REQUIREMENT: This sanitary landfill expansion project is required to prevent violations of Federal (German - Host Nation) and State (Bavarian - Land) Waste Disposal and Water Protection Laws and to meet the future waste disposal requirements of the Seventh Army Training Command. It is needed before the

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION

Grafenwoehr Training Area, Grafenwoehr, Germany

4. PROJECT TITLE

Sanitary Landfill Expansion

5. PROJECT NUMBER

34513

9. COST ESTIMATES (CONTINUED)

<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit COST</u>	<u>Cost (\$000)</u>
<u>PRIMARY FACILITY (CONTINUED)</u>				
Gas Regulator Station	SF	180	143.14	(26)
Landfill Gas Cleaning Plant	LS	--	--	(202)
Gas Collection Tank	LS	--	--	(141)
Landfield Gas Torch	LS	--	--	(125)
Gas Power Plant	LS	--	--	(403)
Swer Camera	LS	--	--	(63)
Wood Shreder	LS	--	--	(137)
Laboratory Furnishing	LS	--	--	(476)
Seepage Water Line	LF	9,200	42.74	(393)
Gravel Road	SY	3,000	20.16	(60)
Asphalt Road	SY	2,000	55.44	(111)
Maintenance Building	SF	800	186.49	(149)
Landscaping/Recultivating	LS	--	--	(1,004)
EMCS Substation	LS	--	--	(71)
EMCS Connection	LF	4,100	18.95	(78)
Security Fence/Gates	LF	1,500	44.36	(67)
Hazardous Waste Storage	EA	5	14,112	(71)
Dud Clearance	AC	31	12,096	(375)
HN Testing, QC, & Insp	LS	--	--	(403)
Building Information Systems	LS	--	--	(2)
			Total	4,357

REQUIREMENT: (CONTINUED)

existing sanitary landfill capacity is exceeded.

CURRENT SITUATION: The existing sanitary landfill does not meet the requirements outlined in the following Host Nation (Federal and State) laws: Bavarian (State - Land) Waste Disposal and Contaminated Site Law, Part 4, Section 1; Federal Water Act Paragraphs 1A, 22, and 34; and both the Federal and the State nature protection laws. This landfill is the sole depository for refuse generated annually by the Grafenwoehr, Hohenfels, Vilseck Subcommunities, and the US Army. Approximately 17,000 tons of waste are generated annually by these communities, the USAREUR troops that deploy to the Grafenwoehr and Hohenfels training areas. To alleviate political problems, the sanitary landfill was recently rehabilitated to meet short-term environmental requirements. At the present filling rate, the rehabilitated sanitary landfill will be exceeded by June 1994. Thereafter, without this project, waste would have to be dumped on unprotected ground in violation of host nation and US waste disposal and water protection laws. Legal conflicts between the US Army and Federal Republic of Germany (FRG) could result. As it is not possible to deliver the waste to local sanitary landfills or trash incineration plants,

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Grafenwoehr Training Area, Grafenwoehr, Germany

4. PROJECT TITLE Sanitary Landfill Expansion	5. PROJECT NUMBER 34513
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CURRENT SITUATION: (CONTINUED)
the extension of the sanitary landfill is the only alternative without violating host nation and US environmental laws.
IMPACT IF NOT PROVIDED: If this project is not provided, a serious refuse disposal problem will develop by June 1994, US and host nation environmental laws will be violated, soil and water resources will become contaminated and the health and environment of the US community will be threatened. This threat to health and damage to the environment could lead to political conflict between the US Forces and the host nation.
ADDITIONAL: This project has been reviewed by Headquarters US Army Europe (USAREUR) and approved by Commander-in-Chief, US Army Europe (CINCUSAREUR). It will still be required after any planned troop reductions. This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), "Design Criteria," dated 14 July 1989. This project is not eligible for Infrastructure funding. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. Sanitary Landfill Repair Phases 1 and 2 (FY 91-92) are prerequisites for this sanitary landfill extension project and they are funded under the OMA appropriation.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	<u>MAR 1991</u>
(b) Percent Complete As Of 01 January 93 (BDGT YR)..	<u>35</u>
(c) Percent Complete As Of 01 October 93 (PROG YR)..	<u>100</u>
(d) Design Complete Date.....	<u>JUL 1992</u>

(2) Basis:

(a) Standard or Definitive Design - (YES/NO) N

(b) Where Design Was Most Recently Used

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

(a) Production of Plans and Specifications.....	<u>620</u>
(b) All Other Design Costs.....	<u>283</u>
(c) Total Design Cost.....	<u>903</u>
(d) Contract.....	<u>378</u>
(e) In-house.....	<u>525</u>

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION

Grafenwoehr Training Area, Grafenwoehr, Germany

4. PROJECT TITLE Sanitary Landfill Expansion	5. PROJECT NUMBER 34513
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12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(4) Construction Start..... JAN 1993
month & year

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	1994	4
		TOTAL	<u>4</u>

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION Hohenfels Training Area Hohenfels, Germany		4. PROJECT TITLE Upgrade Sewer System		
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5. PROGRAM ELEMENT 22056A	6. CATEGORY CODE 832	7. PROJECT NUMBER 29786	8. PROJECT COST (\$000) Auth Approp	
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9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY				18,941
Storm Sewer Lines	LF	53,458	103.00	(5,506)
Clarification Basins	LS	---	---	(309)
Retention Basins	EA	6	244,041	(1,464)
Settling Basins	EA	6	495,858	(2,975)
Upgrade Sewage Trmt Plant	LS	---	---	(8,621)
EMCS Connection	LS	---	---	(66)
SUPPORTING FACILITIES				3,444
Electric Service	LS	---	---	(478)
Water, Sewer, Gas	LS	---	---	(270)
Steam And/Or Chilled Water Distr	LS	---	---	(21)
Paving, Walks, Curbs, And Gutter	LS	---	---	(583)
Site Imp(1,639) Demo(271)	LS	---	---	(1,910)
Dud Removal	LS	---	---	(182)
ESTIMATED CONTRACT COST				22,385
CONTINGENCY PERCENT (5.00%)				1,119
SUBTOTAL				23,504
SUPERVISION, INSPECTION & OVERHEAD (6.50%)				1,528
TOTAL REQUEST				25,032
TOTAL REQUEST (ROUNDED)				25,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS				(0)

10. Description of Proposed Construction Upgrade existing sewer collection systems, sewage treatment plant, and sewage discharge system. Work consists of a denitrification system, installation or replacement of sanitary, storm, and combined sewer lines. Construct storm water clarification, retention, and settling basins; modify and upgrade sewage plant; and replace sewage discharge line. Supporting facilities include modifications to electrical and water systems; paving, walks, and curbs; site improvements; and retaining wall. Connect utility and energy monitoring and control system (UEMCS). Demolish a portion of existing sewage plant.

11. REQUIREMENT: 193,052 LF ADEQUATE: 138,731 LF SUBSTANDARD: 7,652 LF
 PROJECT: Upgrade sewer collection, treatment, and discharge systems. (Current Mission)
 REQUIREMENT: This project is required to retain and control surface water runoff and inflow into sewage plant and upgrade components of the sewage treatment plant, which was built in 1938. This project corrects violations of sewage treatment plant permit and is necessary for continued Federal Republic of Germany (FRG) support of construction in the FY 88 through 96 Military Construction, Army (MCA) Program.

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Hohenfels Training Area, Hohenfels, Germany		
4. PROJECT TITLE Upgrade Sewer System	5. PROJECT NUMBER 29786	
<p><u>CURRENT SITUATION:</u> The sewage system for Hohenfels Training Area (HTA), originally built in 1938, consists of a combined sanitary and sewer network of over 140,000 LF and a mechanical full-biological sewage system. The capacity of the system does not meet current US demands. Output of the sewage treatment plant exceeds permit requirements. The primary problem is the control of rain and surface water runoff and inflow to the sewage plant from a water shed and catchment area of 70 square kilometers. Up to 200 liters of storm water per second hits the sewage plant, overflows the valley, and discharges to the civilian community uncleaned. Due to the geological situation, the polluted storm water can reach the ground water almost unfiltered, having severe impact on US-owned water supply facilities. Oil, leaches, and acids reach the plant through the combined collection system and have a negative impact on the functional treatment system. Criteria for limited outflow concentration of biological oxygen demand (BOD5) value to degrade micro-organisms within five days), chemical oxygen demand (COD) value to degrade oxidized elements) is often exceeded. Routing storm runoff around the treatment plant is not feasible because of the large number of hardstand areas having petroleum, oils, and lubricants (POL) separators; Federal Republic of Germany (FRG) law requires POL separators to discharge into sewage treatment plants.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, severe restrictions on future operation of the HTA will continue to occur from German authorities such as Superior Finance Direction, Federal Assets Office and Water Control Office. Individual measures for storm water treatment have to be included in every project resulting in numerous small retention basins throughout the installation. Presently, there are 12 smaller basins included in construction or design of three MCA projects. The current situation is unacceptable, since floods associated with five and ten-year storms result in pollution of ground water and affect the US-owned water supply area as well as the adjacent civilian community. Environmental and property damages will continue.</p> <p><u>ADDITIONAL:</u> This project has been reviewed by Headquarters US Army Europe (USAREUR) and approved by Commander-in-Chief, US Army Europe (CINCUSAREUR). It will still be required after any planned troop reductions. This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). This project is not eligible for NATO Infrastructure funding. An economic analysis has been prepared and utilized in evaluating this project.</p>		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Hohenfels Training Area, Hohenfels, Germany

4. PROJECT TITLE Upgrade Sewer System	5. PROJECT NUMBER 29786
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12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
- (a) Design Start Date..... FEB 1990
 - (b) Percent Complete As Of 01 January 93 (BDGT YR).. 45
 - (c) Percent Complete As Of 01 October 93 (PROG YR).. 100
 - (d) Design Complete Date..... AUG 1993

- (2) Basis:
- (a) Standard or Definitive Design - (YES/NO) **N**
 - (b) Where Design Was Most Recently Used

- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
- (a) Production of Plans and Specifications..... 578
 - (b) All Other Design Costs..... 304
 - (c) Total Design Cost..... 882
 - (d) Contract..... 680
 - (e) In-house..... 202

- (4) Construction Start..... APR 1994
month & year

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

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

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
Alabama		Anniston Army Depot (AMC)			3
	41302	Ammunition Demilitarization Fac Ph IV	110,900	110,900	5
		Subtotal For Anniston Army Depot PART I	\$ 110,900	110,900	
		Fort Rucker (TRADOC)			9
	2095	Petroleum Lab and Fuel Storage	5,800	5,800	11
	10528	Operations Facility	1,150	1,150	14
	36037	Whole Barracks Renewal	20,000	20,000	17
		Subtotal For Fort Rucker PART I	\$ 26,950	26,950	
		* TOTAL MCA FOR Alabama	\$ 137,850	137,850	

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Anniston Army Depot Alabama			4. COMMAND US Army Materiel Command			5. AREA CONSTRUCTION COST INDEX 0.79	
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		6	25	3803	0	0	0
B. END FY 1999		4	2	3681	0	0	0
							TOTAL
							216
							4,050
							216
							3,903
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		15,250 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		869,617					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		110,900					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		0					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0					
G. REMAINING DEFICIENCY.....		60,579					
H. GRAND TOTAL.....		1,041,096					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
216	41302	Ammunition Demilitarization Fac Ph IV		110,900	02/1987	03/1992	
				TOTAL	110,900		
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM: NONE							
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
To operate a supply depot for the receipt, storage, and issue of assigned commodities, i.e., general supply and ammunition, strategic and critical materials, shelter supplies, war reserve stock, etc. To operate a depot maintenance facility for the repair, overhaul, modification, and conversion of assigned commodities, i.e., combat and tactical vehicles, artillery, small arms, ammunition, missiles, etc. To provide installation support to attached organizations, and to operate assigned facilities.							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993
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INSTALLATION AND LOCATION: Anniston Army Depot

Alabama

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 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Anniston Army Depot Alabama				4. PROJECT TITLE Ammunition Demilitarization Fac Ph IV			
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 100	7. PROJECT NUMBER 41302		8. PROJECT COST (\$000) Auth 110,900 Approp 110,900		
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY							97,145
Munitions Demil Building				SF	82,466	739.86	(61,013)
Process & Utility Building				SF	20,200	321.52	(6,495)
Container Handling Building				SF	37,300	264.03	(9,848)
Corridor				SF	6,500	264.03	(1,716)
Personnel Support Building				SF	12,767	194.29	(2,481)
Total from Continuation page							(15,592)
SUPPORTING FACILITIES							29,462
Electric Service				LS	--	--	(10,539)
Water, Sewer, Gas				LS	--	--	(4,190)
Paving, Walks, Curbs And Gutters				LS	--	--	(5,194)
Storm Drainage				LS	--	--	(976)
Site Imp(7,632) Demo()				LS	--	--	(7,632)
Information Systems				LS	--	--	(931)
ESTIMATED CONTRACT COST							126,607
CONTINGENCY PERCENT (8.00%)							10,129
SUBTOTAL							136,736
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							8,204
TOTAL REQUEST							144,940
TOTAL REQUEST (ROUNDED)							145,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(198,691)
10. Description of Proposed Construction							
Construct a Chemical Stockpile Disposal Program (CSDP) facility using incremental authorizations and appropriations. This request is for Increment IV (\$110.9 million). Increment I for site preparation (Project Number (PN) 35170, \$4.9 million) was approved in the FY 91 MCA program. Increment II (PN 34889, \$29.2 million) was approved in the FY 92 MCA program. Funds in the amount of \$67.0 million were reprogrammed from the \$96.2 million originally provided in FY 92 for PN 34889. Increment III PN 39202, (\$10.0 million, in authorization only) was approved in the FY 93 program. This project, at full funding and authorization, will result in the construction of a site-adapted toxic chemical munitions demilitarization (Demil) complex to process lethal chemical munitions. Primary facilities include ammunition demilitarization building (MDB) with blast containment area connected by an enclosed corridor to a munitions container handling building; a process utilities building with bulk chemical storage, brine reduction facilities, and a boiler room; a personnel and maintenance facility with change rooms, maintenance storage facility, and medical treatment area; a process support and administrative building; a chemical analysis laboratory; an entry control facility; and office/storage space and laboratory for non-US inspectors and associated US escorts. Special features include blast doors; fire protection;							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Anniston Army Depot, Alabama

4. PROJECT TITLE Ammunition Demilitarization Fac Ph IV	5. PROJECT NUMBER 41302
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9. COST ESTIMATES (CONTINUED)

<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit COST</u>	<u>Cost (\$000)</u>
PRIMARY FACILITY (CONTINUED)				
Personnel Maintenance Building	SF	18,683	214.80	(4,013)
Entry Control Facility	SF	1,243	814.06	(1,012)
Laboratory	SF	8,400	572.13	(4,806)
Warehouse	SF	28,000	58.04	(1,625)
Treaty Compliance Facility	SF	3,032	389.84	(1,182)
Guard House	SF	1,600	71.79	(115)
IDS Installation	LS	--	--	(1,408)
Building Information Systems	LS	--	--	(1,431)
			Total	15,592

DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)

a cascading heating, ventilation, and air conditioning (HVAC) system with airlocks for agent containment; special air filtration; special personnel protective clothing area; toxic chemical resistive coatings and surfaces; explosion-proof electrical fixtures; and information systems. Install an intrusion detection system (IDS). Supporting facilities include utilities; waste water treatment plant; electric service; an electrical substation; lighting and static protection system; standby electric generators with bypass isolation switches; paving, walks, curbs and gutters; access road; fire protection and alarm systems; storm drainage; security fencing, gates and lighting; fuel storage and distribution; information systems; and site improvements. Heating will be provided by gas-fired, self-contained system and air conditioning (500 tons) will be provided by self-contained units.

11. REQUIREMENT: 217,159 SF ADEQUATE: NONE SUBSTANDARD: NONE

PROJECT: Construct a toxic chemical munitions demilitarization complex to dispose of lethal chemical agent munitions stored at Anniston Army Depot. (New Mission)

REQUIREMENT: This project is required to provide the capability to demilitarize and dispose of the toxic chemical agents and munitions stored at this location in a safe, environmentally acceptable manner. Congress has mandated the disposal of the existing unitary chemical stockpile. The Army submitted an implementation plan to Congress in March 1988, in response to a specific Congressional request, which cites this facility as an integral and essential part of the chemical stockpile disposal program.

CURRENT SITUATION: Rockets, mines, projectiles, and one-ton containers containing lethal chemical agents are stored in igloos at the installation some showing rapid deterioration. These munitions are of no strategic value, but they must be safely stored and inspected to ensure that there is no risk to the public or the environment. The monitoring and surveillance costs for

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Anniston Army Depot, Alabama		
4. PROJECT TITLE Ammunition Demilitarization Fac Ph IV	5. PROJECT NUMBER 41302	
<p><u>CURRENT SITUATION:</u> (CONTINUED) safe storage continue to accrue. No other acceptable disposal facilities are available.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the Army will not be able to comply with the Congressional mandate for chemical munitions stockpile disposal. Also, maintenance and surveillance costs will continue to grow as the agents and munitions deteriorate with age. The threat to the health of Depot employees and the environment will continue.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		
<u>12. SUPPLEMENTAL DATA:</u>		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....		<u>FEB 1987</u>
(b) Percent Complete As Of 01 January 93 (BDGT YR)..		<u>100</u>
(c) Percent Complete As Of 01 October 93 (PROG YR)..		<u>100</u>
(d) Design Complete Date.....		<u>MAR 1992</u>
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....		<u>2,400</u>
(b) All Other Design Costs.....		<u>2,400</u>
(c) Total Design Cost.....		<u>2,400</u>
(d) Contract.....		<u>2,400</u>
(e) In-house.....		<u> </u>
(4) Construction Start.....		<u>APR 1994</u>
		month & year

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Anniston Army Depot, Alabama

4. PROJECT TITLE Ammunition Demilitarization Fac Ph IV	5. PROJECT NUMBER 41302
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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>
Process Equipment	CAMD.D	1992	18,965
Process Equipment	CAMD.D	1993	76,342
Process Equipment	CAMD.D	1994	66,429
Process Equipment	CAMD.D	1995	35,373
IDS Equipment	OPA	1992	751
Info Sys - ISC	OPA	1994	57
Info Sys - PROP		1994	774
		TOTAL	198,691

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Rucker Alabama			4. COMMAND US Army Training and Doctrine Command			5. AREA CONSTRUCTION COST INDEX 0.85	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
		TOTAL					
A. AS OF 30 SEP 1992	1468	2598	2943	1225	1065	11	40 42 4445 13,837
B. END FY 1999	1275	2405	2898	1561	529	6	40 42 4445 13,201
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		59,934 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		976,191					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		26,950					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		500					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0					
G. REMAINING DEFICIENCY.....		54,437					
H. GRAND TOTAL.....		1,058,078					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
124	2095	Petroleum Lab and Fuel Storage		5,800	01/1991	12/1991	
141	10528	Operations Facility		1,150	01/1991	08/1993	
721	36037	Whole Barracks Renewal		20,000	04/1992	10/1993	
				TOTAL	26,950		
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
179		Combat Pistol Range		500			
				TOTAL	500		
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Provides facilities and support for the Army Aviation Center and School whose mission is to provide individual pilot training for all fixed wing and rotary wing aircraft and advanced doctrines and techniques.							

1. COMPONENT
ARMY

FY 1994 MILITARY CONSTRUCTION PROGRAM

2. DATE
APRIL 1993

INSTALLATION AND LOCATION: Fort Rucker

Alabama

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 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Rucker Alabama				4. PROJECT TITLE Petroleum Lab and Fuel Storage		
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 124	7. PROJECT NUMBER 2095		8. PROJECT COST (\$000) Auth 5,800 Approp 5,800	
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	COST (\$000)
PRIMARY FACILITY						4,960
Laboratory Building				SF	4,300	148.25 (637)
Earth & Concrete Berms				LS	--	(1,471)
Above Ground Tanks (7 EA)				GA	714,000	.95 (678)
Piping & Equipment				LS	--	(1,765)
Fire Protection				LS	--	(407)
Building Information Systems				LS	--	(2)
SUPPORTING FACILITIES						250
Electric Service				LS	--	(207)
Water, Sewer, & Gas				LS	--	(16)
Site Imp(21) Demo()				LS	--	(21)
Information Systems				LS	--	(6)
ESTIMATED CONTRACT COST						5,210
CONTINGENCY PERCENT (5.00%)						<u>261</u>
SUBTOTAL						5,471
SUPERVISION, INSPECTION & OVERHEAD (6.00%)						<u>328</u>
TOTAL REQUEST						5,799
TOTAL REQUEST (ROUNDED)						5,800
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS						(1)
10. Description of Proposed Construction Construct seven aboveground aviation fuel storage tanks, a fuel acceptance testing laboratory, separator, foam buildings, berms, piping, filtering equipment, truck fill and unloading stands, and connection of the new tanks into existing adjacent facilities. Supporting facilities include utilities, electric service, area lighting, fire protection and alarm systems, paving, security fencing, parking, and site improvements. Heating and air conditioning will be provided.						
11. REQUIREMENT: 882,000 GA ADEQUATE: 168,000 GA SUBSTANDARD: NONE						
PROJECT: Construct aircraft fuel storage tanks and a fuel acceptance testing laboratory. (Current Mission)						
REQUIREMENT: This project is required to provide storage for a seven-day supply of aviation fuel and an adequate fuel testing acceptance laboratory. Fort Rucker's average daily fuel requirement is 120,000 gallons of various aviation fuels. The added tankage will be built as an extension of the existing storage areas. Incoming aircraft fuel must be sampled and tested before it is accepted and delivered to storage tanks at the four training fields.						

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Rucker, Alabama

4. PROJECT TITLE Petroleum Lab and Fuel Storage	5. PROJECT NUMBER 2095
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CURRENT SITUATION: There are 462,000 gallons of fuel storage at the four training fields and on main post. This capacity represents less than four days training requirements. As a result, fuel is delivered daily to insure a readily available supply. These tanks do not meet standards required for Underground Storage Tanks (USTs). Some are leaking and are being removed at this time using environmental funds. After replacement by this project, the other tanks are required to be decommissioned and will be removed as additional environmental funds become available. The fuel acceptance testing laboratory is now housed in a temporary building and a trailer. Both are inadequate. Training requirements are projected to decrease by only 3.5 percent by 1998.

IMPACT IF NOT PROVIDED: If this project is not provided, aviation training operations will have only a three and a half day supply of fuel. Any delays in fuel delivery longer than three days will cause delays in flight training. The inefficient fuel acceptance testing will continue to cause delays and shortfall in supply.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	<u>MAR 1993</u>
(b) Percent Complete As Of 01 January 93 (BDGT YR)..	_____
(c) Percent Complete As Of 01 October 93 (PROG YR)..	<u>60</u>
(d) Design Complete Date.....	<u>JAN 1994</u>

(2) Basis:

(a) Standard or Definitive Design - (YES/NO) N

(b) Where Design Was Most Recently Used

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

(a) Production of Plans and Specifications.....	<u>232</u>
(b) All Other Design Costs.....	<u>193</u>
(c) Total Design Cost.....	<u>425</u>

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Rucker, Alabama		
4. PROJECT TITLE Petroleum Lab and Fuel Storage	5. PROJECT NUMBER 2095	
12. <u>SUPPLEMENTAL DATA:</u> (Continued)		
A. Estimated Design Data: (Continued)		
(d) Contract.....	_____	25
(e) In-house.....	_____	400
(4) Construction Start.....	AUG 1994 month & year	
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>
Info Sys - ISC	OPA	1994 1
		TOTAL 1

1. COMPONENT ARMY		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Rucker Alabama				4. PROJECT TITLE Operations Facility			
5. PROGRAM ELEMENT 91520A		6. CATEGORY CODE 141		7. PROJECT NUMBER 10528		8. PROJECT COST (\$000) Auth 1,150 Approp 1,150	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							713
CIDC Field Operations Building				SF	7,080	94.27	(668)
IDS Installation				LS	--	--	(1)
Building Information Systems				LS	--	--	(44)
<u>SUPPORTING FACILITIES</u>							317
Electric Service				LS	--	--	(30)
Water, Sewer, Gas				LS	--	--	(10)
Paving, Walks, Curbs And Gutters				LS	--	--	(54)
Storm Drainage				LS	--	--	(5)
Site Imp(53) Demo(31)				LS	--	--	(84)
Information Systems				LS	--	--	(128)
ESTIMATED CONTRACT COST							1,030
CONTINGENCY PERCENT (5.00%)							52
SUBTOTAL							1,082
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							65
TOTAL REQUEST							1,147
TOTAL REQUEST (ROUNDED)							1,150
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(45)
10. Description of Proposed Construction Construct a modified standard-design Criminal Investigations Division Command (CIDC) field operations building. Work includes administrative space, polygraph suite with acoustic isolation and environmental control, repository for drugs and perishable evidence, physical isolation screening room area for suspects, personnel observation and interview areas, photo identification, fingerprint room, and supply area. Install an intrusion detection system (IDS). Supporting facilities include utilities; electric service; exterior lighting; fire protection and alarm systems; paving, walks, curbs and gutters; remove existing fencing; storm drainage; information systems; and site improvements. Access for the handicapped will be provided. Heating will be provided by heat exchangers. Air conditioning: 24 tons. Demolish three temporary buildings (8,642 SF) within the footprint.							
11. REQUIREMENT: 7,080 SF ADEQUATE: NONE SUBSTANDARD: 5,310 SF PROJECT: Construct a modified standard-design CIDC specialized field operations building. (Current Mission)							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Rucker, Alabama

4. PROJECT TITLE Operations Facility	5. PROJECT NUMBER 10528
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REQUIREMENT: This project is required to provide operational facilities for the Fort Rucker Field Office US Army Criminal Investigation Command (USACIDC). The facility will be occupied by 12 CID personnel and four Military Police Investigators, Drug Suppression Team. This organization necessarily requires special purpose areas to properly conduct its investigative activities. There are no facilities, on or off the installation, which can satisfy the mission requirements.

CURRENT SITUATION: The Fort Rucker Field Office, USACIDC, currently occupies 5,310 SF in a World War II temporary barracks. This building is not properly constructed or configured for criminal investigative activities. The segregation of victims from suspects and the confidentiality of witnesses is a severe problem. The evidence room does not meet regulatory standards. The structural configuration and noise in the building, due to the heating and air conditioning system, severely degrade efficient and proper operations. The facility is not suitable for special functions such as polygraph operations.

IMPACT IF NOT PROVIDED: If this project is not provided, the USACIDC Fort Rucker Field Operations will continue to be denied the adequate facilities required to do its mission. Witnesses will continue to be subject to compromise. Productivity will not improve. Morale will continue to suffer.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	<u>JAN 1991</u>
(b) Percent Complete As Of 01 January 93 (BDGT YR)..	<u>35</u>
(c) Percent Complete As Of 01 October 93 (PROG YR)..	<u>100</u>
(d) Design Complete Date.....	<u>AUG 1993</u>

(2) Basis:

(a) Standard or Definitive Design - (YES/NO) N
(b) Where Design Was Most Recently Used

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

(a) Production of Plans and Specifications..... 57

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Rucker, Alabama

4. PROJECT TITLE Operations Facility	5. PROJECT NUMBER 10528
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12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(b) All Other Design Costs.....	<u>35</u>
(c) Total Design Cost.....	<u>92</u>
(d) Contract.....	<u>69</u>
(e) In-house.....	<u>23</u>

(4) Construction Start..... DEC 1993
month & year

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>
IDS Equipment	OPA	1994	7
Info Sys - ISC	OPA	1994	38
		TOTAL	<u>45</u>

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Fort Rucker Alabama				4. PROJECT TITLE Whole Barracks Renewal				
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 721	7. PROJECT NUMBER 36037		8. PROJECT COST (\$000) Auth 20,000 Approp 20,000			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY								16,642
Barracks Renewal					SF	213,780	66.68	(14,257)
Renew Bn Hq Bldgs					SF	12,260	51.73	(634)
Renew Company Operations					SF	24,460	49.88	(1,220)
EMCS Connection					LS	--	--	(50)
Building Information Systems					LS	--	--	(481)
SUPPORTING FACILITIES								810
Electric Service					LS	--	--	(266)
Water, Sewer, Gas					LS	--	--	(38)
Paving, Walks, Curbs And Gutters					LS	--	--	(76)
Site Imp(364) Demo()					LS	--	--	(364)
Information Systems					LS	--	--	(66)
ESTIMATED CONTRACT COST								17,452
CONTINGENCY PERCENT (10.0%)								1,745
SUBTOTAL								19,197
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								1,152
TOTAL REQUEST								20,349
TOTAL REQUEST (ROUNDED)								20,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(53)
10. Description of Proposed Construction Modernize five barracks, two administration supply buildings, and two battalion headquarters buildings. Work includes living/sleeping room with private bath, walk-in closets, storage and dayroom. Company operations facilities will be located in separate buildings. Work includes upgrading interior finishes, electrical, sprinkler protection system and mechanical systems. Connect to existing energy monitoring and control system (EMCS). Supporting facilities include recreation courts, information systems, and site improvements. Air conditioning: 590 tons.								
11. REQUIREMENT: 2,518 PN ADEQUATE: 1,740 PN SUBSTANDARD: 1,091 PN PROJECT: Modernize five barracks, two administration supply buildings, and two battalion headquarters buildings to meet the Whole Barracks Renewal Program Standard. (Current Mission) REQUIREMENT: This project is required to improve living quarters in five permanent party enlisted barracks which were constructed in 1958. This project will provide for an intended utilization of 613 enlisted personnel and a maximum utilization of 690 enlisted personnel. This is the first of three barracks modernization projects and will modernize five barracks to provide a better environment for enlisted soldiers. Correction of substandard conditions								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Rucker, Alabama

4. PROJECT TITLE Whole Barracks Renewal	5. PROJECT NUMBER 36037
---	-----------------------------------

REQUIREMENT: (CONTINUED)
will contribute to the health, welfare, and morale of the service members.

CURRENT SITUATION: The five barracks currently provide living quarters for 883 enlisted personnel. Barracks were constructed in 1958 and remodeled in 1975. All systems have deteriorated; chilled water piping leaks and drips throughout the buildings; lighting and electric do not meet standards, and heating systems are inadequate, inefficient and antiquated. The overall maintenance needs of these buildings are excessive. Current building layouts do not meet current standards and requirements of the Army.

IMPACT IF NOT PROVIDED: If this project is not provided, soldiers will continue to live in substandard facilities. As a result, major systems will fail, and cost of maintenance and repair will continue to escalate. Goals of the Army's Installation of Excellence Programs will not be met, which may directly affect the soldiers' morale, leading to loss of quality support to the Army.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:	
(a) Design Start Date.....	<u>APR 1992</u>
(b) Percent Complete As Of 01 January 93 (BDGT YR)..	<u>35</u>
(c) Percent Complete As Of 01 October 93 (PROG YR)..	<u>100</u>
(d) Design Complete Date.....	<u>OCT 1993</u>
(2) Basis:	
(a) Standard or Definitive Design - (YES/NO) N	
(b) Where Design Was Most Recently Used	
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):	(\$000)
(a) Production of Plans and Specifications.....	<u>792</u>
(b) All Other Design Costs.....	<u>198</u>
(c) Total Design Cost.....	<u>990</u>
(d) Contract.....	<u> </u>
(e) In-house.....	<u>990</u>

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Rucker, Alabama		
4. PROJECT TITLE Whole Barracks Renewal	5. PROJECT NUMBER 36037	
12. SUPPLEMENTAL DATA: (Continued)		
A. Estimated Design Data: (Continued)		
(4) Construction Start..... JAN 1994 month & year		
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment <u>Nomenclature</u>	<u>Procuring Appropriation</u>	Fiscal Year Appropriated <u>Or Requested</u> Cost <u>(\$000)</u>
Info Sys - ISC	OPA	1994 53
		TOTAL 53

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
Arizona		Fort Huachuca (TRADOC)			23
	1814	Battalion Headquarters	4,800	4,800	25
	38773	General Purpose Administrative Facility	4,050	4,050	28
		Subtotal For Fort Huachuca PART I	\$ 8,850	8,850	
		* TOTAL MCA FOR Arizona	\$ 8,850	8,850	

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Huachuca Arizona			4. COMMAND US Army Training and Doctrine Command			5. AREA CONSTRUCTION COST INDEX 1.12	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
		TOTAL					
A. AS OF 30 SEP 1992	691	3264	2879	589	652	7	28 111 2688 10,909
B. END FY 1999	682	4357	3213	500	1706	7	58 175 3921 14,619
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		87,222 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		1,189,891					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		8,850					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		19,900					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0					
G. REMAINING DEFICIENCY.....		48,490					
H. GRAND TOTAL.....		1,267,131					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
141	1814	Battalion Headquarters		4,800	02/1992	09/1993	
610	38773	General Purpose Administrative Facility		4,050	04/1992	11/1993	
				TOTAL	8,850		
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
171		General Instruction Building		8,500			
721		Whole Barracks Renewal		11,400			
				TOTAL	19,900		
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
<p>The current mission of Fort Huachuca is to provide logistical, administrative, legal, financial, supply, and community service support to tenant organizations including an Army Major Field Command (US Army Information Systems Command, USAISC), an USAISC Major Subcommand Headquarter element (Information Systems Engineering Command), 11th Signal Brigade, an Army Major Class II Activity (US Army Electronic Proving Ground), a Major TRADOC Activity (Army Intelligence Center and School), several Department of</p>							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Fort Huachuca Arizona										
<p>10. MISSION OR MAJOR FUNCTIONS: (...CONTINUED)</p> <p>Defense Activities to include the Joint Test Element of the Joint Tactical Command, Control and Communications Agency, area AMC and FORSCOM Activities, and approximately 20 other tenant elements.</p>										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table data-bbox="194 630 1071 756"> <thead> <tr> <th></th> <th style="text-align: right;">(\$000)</th> </tr> </thead> <tbody> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </tbody> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Fort Huachuca Arizona				4. PROJECT TITLE Battalion Headquarters				
5. PROGRAM ELEMENT 33196A		6. CATEGORY CODE 141	7. PROJECT NUMBER 1814		8. PROJECT COST (\$000) Auth 4,800 Approp 4,800			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>								3,771
Battalion Headquarters Building					SF	35,310	101.27	(3,576)
Building Information Systems					LS	---	---	(195)
<u>SUPPORTING FACILITIES</u>								552
Electric Service					LS	---	---	(148)
Water, Sewer, & Gas					LS	---	---	(42)
Paving, Walks, Curbs & Gutters					LS	---	---	(288)
Storm Drainage					LS	---	---	(12)
Site Imp(18) Demo()					LS	---	---	(18)
Information Systems					LS	---	---	(44)
ESTIMATED CONTRACT COST								4,323
CONTINGENCY PERCENT (5.00%)								216
SUBTOTAL								4,539
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								272
TOTAL REQUEST								4,811
TOTAL REQUEST (ROUNDED)								4,800
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(188)
10. Description of Proposed Construction Construct a battalion headquarters building. Project includes administrative space, classrooms for organizational training, vault, technical library, and latrines. Applied instruction area will include administration space, electronic installation training, storage, loading dock, and latrines. Supporting facilities include utilities; electric service; fire protection and alarm systems; paving, walks, curbs and gutters; access roads and parking; storm drainage; information systems; and site improvements. Heating will be provided by self-contained systems. Access for the handicapped will be provided. Evaporative cooling: 160,000 CFM. Project will include furniture related comprehensive interior design.								
11. REQUIREMENT: 35,310 SF ADEQUATE: NONE SUBSTANDARD: 44,065 SF								
PROJECT: Construct a battalion headquarters building. (Current Mission)								
REQUIREMENT: This project is required to provide a facility for the 1199th Signal Battalion to support a battalion headquarters and to teach unique communication equipment installation courses. The classrooms will be utilized for group learning, individual problem testing, team testing, Training and Doctrine Command (TRADOC) approved technical training, mandatory and special military training. The 1199th Signal Battalion is assigned to Fort Huachuca								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Huachuca, Arizona

4. PROJECT TITLE Battalion Headquarters	5. PROJECT NUMBER 1814
---	----------------------------------

REQUIREMENT: (CONTINUED)
and provides support to the US Army's worldwide communications mission. There are no permanent facilities at Fort Huachuca that can be used to meet this requirement. This project will provide permanent consolidated facilities for battalion headquarters, classrooms and support functions.

CURRENT SITUATION: The present facilities occupied by 1199th Signal Battalion consist of mobilization World War II-era hospital wards which were converted to other uses prior to being used as a battalion headquarters. The age of the buildings and rapid deterioration causes intensive and costly maintenance to meet minimum standards of repair. Safety and security are minimal and the threat of fire is high. Some buildings used for supply operations are located over a quarter of a mile from the headquarters operations. The complex is located two miles from the troop cantonment area, dining facilities and other support services. The buildings are heated using a temporary, leased boiler system installed when the original system was destroyed by a July 1987 fire. Insulation in the buildings is poor or nonexistent and electrical systems are marginal and often inadequate to handle present loads. Once vacated, all buildings will be demolished.

IMPACT IF NOT PROVIDED: If this project is not provided, the 1199th Signal Battalion will continue to use substandard World War II buildings which are marginal in safety. The threat of fire will remain high with loss of life a possibility. The overall readiness of the 1199th Signal Battalion's unique mission to install, rehabilitate, and modify major communications-electronic equipment and systems will be impaired. Excessive operation and maintenance costs will continue to be incurred. Facility retention will not be in consonance with Headquarters, Department of the Army directed policy to provide quality facilities for soldiers and to meet World War II facility reduction targets.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date..... FEB 1992

(b) Percent Complete As Of 01 January 93 (BDGT YR).. 35

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Huachuca, Arizona		
4. PROJECT TITLE Battalion Headquarters	5. PROJECT NUMBER 1814	
12. <u>SUPPLEMENTAL DATA:</u> (Continued)		
A. <u>Estimated Design Data:</u> (Continued)		
(c) Percent Complete As Of 01 October 93 (PROG YR)...		<u>100</u>
(d) Design Complete Date.....		<u>SEP 1993</u>
(2) <u>Basis:</u>		
(a) Standard or Definitive Design - (YES/NO) Y		
(b) Where Design Was Most Recently Used		
(3) <u>Total Design Cost (c) = (a)+(b) OR (d)+(e):</u> (\$000)		
(a) Production of Plans and Specifications.....		<u>285</u>
(b) All Other Design Costs.....		<u>145</u>
(c) Total Design Cost.....		<u>430</u>
(d) Contract.....		<u> </u>
(e) In-house.....		<u>430</u>
(4) <u>Construction Start.....</u> <u>JAN 1994</u>		
month & year		
B. <u>Equipment associated with this project which will be provided from other appropriations:</u>		
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u> <u>Cost (\$000)</u>
Info Sys - ISC	OPA	1994 176
Info Sys - PROP	OPA	1994 12
		<u> </u>
TOTAL		<u>188</u>

1. COMPONENT ARMY	FY 1994	MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION Fort Huachuca Arizona	4. PROJECT TITLE General Purpose Administrative Facility
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5. PROGRAM ELEMENT 85796A	6. CATEGORY CODE 610	7. PROJECT NUMBER 38773	8. PROJECT COST (\$000) Auth 4,050 Approp 4,050
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9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY				
Administrative Building	SF	32,562	94.00	3,402 (3,061)
IDS Installation	LS	--	--	(15)
Building Information Systems	LS	--	--	(326)
SUPPORTING FACILITIES				
Paving, Walks, Curbs And Gutters	LS	--	--	240 (99)
Site Imp(141) Demo()	LS	--	--	(141)
ESTIMATED CONTRACT COST				3,642
CONTINGENCY PERCENT (5.00%)				182
SUBTOTAL				3,824
SUPERVISION, INSPECTION & OVERHEAD (6.00%)				229
TOTAL REQUEST				4,053
TOTAL REQUEST (ROUNDED)				4,050
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS				(774)

10. Description of Proposed Construction Construct a general purpose administrative building. Project includes mechanical, electrical fire protection and information systems. Install an intrusion detection system (IDS). Supporting facilities include paving, walks, curbs and gutters; parking; and site improvements. Access for the handicapped will be provided. Heating and air conditioning (100 tons) will be provided by a central gas-fired heating and electric-powered cooling plant. Comprehensive interior design services for building, freestanding building related information systems equipment (OPA furnished), and system furniture work stations will be required.

11. **REQUIREMENT:** 291,939 SF ADEQUATE: 219,939 SF SUBSTANDARD: 267,454 SF
PROJECT: Construct a general purpose administrative building. (Current Mission)
REQUIREMENT: This project is required to support the Directorate of Training and Doctrine (DOTD) and specialized activities of the Intelligence Center and Fort Huachuca (IC&FH). This facility will consolidate instructional and administrative support functions, sensitive compartmented information facility (SCIF) work area, and doctrine development and distribution.

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Huachuca, Arizona

4. PROJECT TITLE General Purpose Administrative Facility	5. PROJECT NUMBER 38773
--	-----------------------------------

CURRENT SITUATION: The DOTD occupies a variety of temporary buildings at Fort Huachuca. The World War II wooden facilities are unsuitable for modification or long term retention. The buildings lack adequate power, are of unsuitable configuration and cannot support state-of-the-art office, special purpose and specifically automated data processing equipment. Unreliable building heating and cooling systems hamper and disrupt instruction operations and endanger expensive equipment which can be damaged by high humidity. School required secure areas cannot be upgraded nor meet the stringent requirements for physical and electronic security or secure compartmented requirements. Maintenance and operation costs, particularly heating and cooling are proportionally high due to current facility conditions. Physical separation of the many facilities greatly impedes efficient use of all resources. Consolidation of activities will improve the efficiency of the organization as well as morale of personnel working under current conditions.

IMPACT IF NOT PROVIDED: If this project is not provided, DOTD will continue to be housed in substandard facilities unsuitable for supporting current and future training, equipment, and missions at Fort Huachuca. The opportunity to logically address personnel and operational consolidations will be lost. Current facility conditions will continue to deteriorate requiring additional operational expense and significantly interfere with providing responsive support to the Intelligence Center and School.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. Heating and cooling and distribution lines will be provided by a Central Heating and Cooling Plant to be constructed under Base Realignment and Closure-1 (BRAC-1) FY 93 Project 38247. Roadway and sidewalk improvements to Cibecue Street are included in BRAC-91 (FY 94) Road System Upgrade Project 38130. FY 93 BRAC 91 Project 38772 will complete the total building.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	<u>APR 1992</u>
(b) Percent Complete As Of 01 January 93 (BDGT YR)..	<u>35</u>
(c) Percent Complete As Of 01 October 93 (PROG YR)..	<u>90</u>
(d) Design Complete Date.....	<u>NOV 1993</u>

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Huachuca, Arizona

4. PROJECT TITLE General Purpose Administrative Facility	5. PROJECT NUMBER 38773
--	-----------------------------------

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

- (2) Basis:
- (a) Standard or Definitive Design - (YES/NO) N
 - (b) Where Design Was Most Recently Used
- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
- | | |
|---|-----|
| (a) Production of Plans and Specifications..... | 240 |
| (b) All Other Design Costs..... | 314 |
| (c) Total Design Cost..... | 554 |
| (d) Contract..... | |
| (e) In-house..... | 554 |
- (4) Construction Start..... FEB 1994
month & year

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>
IDS Equipment	OPA	1994	350
EMCS DEVICES	OPA	1994	17
Info Sys - ISC	OPA	1994	247
Info Sys - PROP	OPA	1994	160
		TOTAL	774

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

<u>STATE</u>	<u>INSTALLATION (COMMAND)</u>	<u>AUTHORIZATION APPROPRIATION</u>		<u>PAGE</u>
<u>PROJECT</u> <u>NUMBER</u>	<u>PROJECT TITLE</u>	<u>REQUEST</u>	<u>REQUEST</u>	
California	Fort Irwin (FORSCOM)			33
31981	Whole Barracks Renewal	5,900	5,900	35
	Subtotal For Fort Irwin PART I	\$ 5,900	5,900	
	* TOTAL MCA FOR California	\$ 5,900	5,900	

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Irwin California			4. COMMAND US Army Forces Command			5. AREA CONSTRUCTION COST INDEX 1.30	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
		TOTAL					
A. AS OF 30 SEP 1992	648	3684	688	0	0	0	9 12 1295 6,336
B. END FY 1999	661	4168	872	0	0	0	13 25 1862 7,601
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		636,182 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		940,189					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		5,900					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		15,000					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0					
G. REMAINING DEFICIENCY.....		81,286					
H. GRAND TOTAL.....		1,042,375					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
721	31981	Whole Barracks Renewal		5,900	07/1992	11/1993	
				TOTAL	5,900		
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
214		Consolidated Maintenance Facility		15,000			
				TOTAL	15,000		
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
<p>The National Training Center (NTC) is an advanced collective training facility located at Fort Irwin, CA. Its mission is to provide advanced collective training opportunities to the task-organized elements of FORSCOM close-combat heavy brigades within the context of the overall FORSCOM training strategy and in accordance with AirLand Battle doctrine.</p>							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993
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INSTALLATION AND LOCATION: Fort Irwin California

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 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Irwin California			4. PROJECT TITLE Whole Barracks Renewal		
5. PROGRAM ELEMENT 22696A	6. CATEGORY CODE 721	7. PROJECT NUMBER 31981	8. PROJECT COST (\$000) Auth 5,900 Approp 5,900		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY					
Enlisted Barracks		SF	39,960	107.21	4,384
Building Information Systems		LS	---	---	(4,285)
					(99)
SUPPORTING FACILITIES					
Electric Service		LS	---	---	942
Water, Sewer, Gas		LS	---	---	(192)
Steam And/Or Chilled Water Distr		LS	---	---	(158)
Paving, Walks, Curbs And Gutters		LS	---	---	(14)
Storm Drainage		LS	---	---	(232)
Site Imp(268) Demo()		LS	---	---	(71)
Information Systems		LS	---	---	(268)
					(7)
ESTIMATED CONTRACT COST					5,326
CONTINGENCY PERCENT (5.00%)					266
SUBTOTAL					5,592
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					336
TOTAL REQUEST					5,928
TOTAL REQUEST (ROUNDED)					5,900
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(0)
10. Description of Proposed Construction Construct an enlisted barracks. Work includes living/sleeping rooms with private bath and walk-in closets, laundry room, day room, mailroom, storage, and physical equipment exercise space. Supporting facilities include utilities; electric service; security lighting; fire protection and alarm systems; paving, walks, curbs and gutters; parking; picnic and recreational areas; information systems, and site improvements. Access for the handicapped will be provided. Heating and air conditioning (100 tons) will be provided by a self-contained unit.					
11. REQUIREMENT: 2,036 PN ADEQUATE: 1,508 PN SUBSTANDARD: 616 PN					
PROJECT: Construct an enlisted barracks to meet the Whole Barracks Renewal Program Standard. (Current Mission)					
REQUIREMENT: This project is required to provide adequate housing for 100 E1-E4, and 24 E5-E6, (intended utilization) with a maximum utilization of 148 personnel. The restationing of additional troops at Fort Irwin for the brigade operations function of the National Training Center, fewer married enlisted soldiers, and lack of adequate permanent barracks on-post for single soldiers, makes this barracks project necessary.					

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Irwin, California

4. PROJECT TITLE Whole Barracks Renewal	5. PROJECT NUMBER 31981
---	-----------------------------------

CURRENT SITUATION: No adequate housing exists for single enlisted personnel incoming for brigade operations. Temporary existing barracks buildings will be utilized until this project is completed. The existing facilities cannot be upgraded to minimum standards due to their age, size, and design.

IMPACT IF NOT PROVIDED: If this project is not provided, the single enlisted soldiers of the Fort Irwin Combat Training Center will continue to be housed in temporary facilities. Lack of operations and supply space adjacent to the barracks will fragment these functions throughout the area. Continued occupancy of temporary facilities will adversely impact the Rotational Troop Brigade Operation training mission of the National Training Center.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
 - (a) Design Start Date..... JUL 1992
 - (b) Percent Complete As Of 01 January 93 (BDGT YR).. 35
 - (c) Percent Complete As Of 01 October 93 (PROG YR).. 95
 - (d) Design Complete Date..... NOV 1993

- (2) Basis:
 - (a) Standard or Definitive Design - (YES/NO) N
 - (b) Where Design Was Most Recently Used

- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 336
 - (b) All Other Design Costs..... 189
 - (c) Total Design Cost..... 525
 - (d) Contract..... _____
 - (e) In-house..... 525

- (4) Construction Start..... MAR 1994
month & year

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993								
3. INSTALLATION AND LOCATION Fort Irwin, California										
4. PROJECT TITLE Whole Barracks Renewal	5. PROJECT NUMBER 31981									
<p>12. <u>SUPPLEMENTAL DATA:</u> (CONTINUED)</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table border="0"> <thead> <tr> <th data-bbox="303 604 492 663"><u>Equipment Nomenclature</u></th> <th data-bbox="778 604 987 663"><u>Procuring Appropriation</u></th> <th data-bbox="1174 575 1372 663"><u>Fiscal Year Appropriated Or Requested</u></th> <th data-bbox="1414 604 1509 663"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td></td> <td data-bbox="839 699 905 722">None</td> <td></td> <td></td> </tr> </tbody> </table>			<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>		None		
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>							
	None									

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION APPROPRIATION		PAGE
			REQUEST	REQUEST	
Colorado	2220	Fort Carson (FORSCOM) Range Control Facility	4,050	4,050	41 43
		Subtotal For Fort Carson PART I	\$ 4,050	4,050	
		* TOTAL MCA FOR Colorado	\$ 4,050	4,050	

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Carson Colorado			4. COMMAND US Army Forces Command			5. AREA CONSTRUCTION COST INDEX 1.03	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		1640	15224	2030	0	188	0
B. END FY 1999		2034	16548	2223	0	128	0
					17	0	739
					59	120	1230
							22,342
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		137,391 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		1,648,635					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		4,050					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		95,900					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0					
G. REMAINING DEFICIENCY.....		66,799					
H. GRAND TOTAL.....		1,815,384					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
171	2220	Range Control Facility		4,050	02/1991	09/1993	
				TOTAL	4,050		
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
721		Whole Barracks Renewal		21,600			
214		Hardstand/Tactical Equipment Shop Addition		5,100			
211		Aviation Maintenance Hangar		15,500			
842		Utilities Upgrade		2,700			
721		Whole Barracks Renewal		51,000			
				TOTAL	95,900		
10. MISSION OR MAJOR FUNCTIONS:							
Provide support and training to the 4th Infantry Division (Mech) and other non-divisional units assigned to Fort Carson. Provide command over all assigned and attached units. Organize and train all units to ensure their combat readiness and ability to fully support the installation's mobilization mission. Provide command and control for Fort Missoula, Montana and for the Pinon Canyon Maneuver Site located in southeast Colorado. Provide support required by AR 5-9 to US Army Reserve Centers located in eight midwestern and							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Fort Carson Colorado										
10. MISSION OR MAJOR FUNCTIONS: (...CONTINUED) western states.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: <table data-bbox="198 567 1073 693"> <thead> <tr> <th></th> <th style="text-align: right;">(\$000)</th> </tr> </thead> <tbody> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">13,200</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </tbody> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	13,200	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	13,200									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT Army		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Fort Carson Colorado				4. PROJECT TITLE Range Control Facility			
5. PROGRAM ELEMENT 22696A		6. CATEGORY CODE 171	7. PROJECT NUMBER 2220		8. PROJECT COST (\$000) Auth 4,050 Approp 4,050		
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							3,077
Range Operations Building				SF	24,900	90.26	(2,247)
Unusual Foundation				SF	24,900	4.45	(111)
Target/Lumber Storage Shed				SF	3,600	37.44	(135)
Range Equipment Wash Pad				LS	--	--	(10)
Range Parking/Outdoor Storage				SY	7,000	47.30	(331)
Total from Continuation page							(243)
<u>SUPPORTING FACILITIES</u>							575
Electric Service				LS	--	--	(55)
Water, Sewer, & Gas				LS	--	--	(125)
Paving, Walks, Curbs & Gutters				LS	--	--	(126)
Storm Drainage				LS	--	--	(65)
Site Imp(142) Demo()				LS	--	--	(142)
Information Systems				LS	--	--	(62)
ESTIMATED CONTRACT COST							3,652
CONTINGENCY PERCENT (5.00%)							183
SUBTOTAL							3,835
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							230
TOTAL REQUEST							4,065
TOTAL REQUEST (ROUNDED)							4,050
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(26)
10. Description of Proposed Construction Construct a central range control facility. Primary facilities include all construction within the perimeter of the range complex and consist of range operations building, supply activities, electrical shop, welding shop, carpenter shop, maintenance shop, storage and space for the range telephone operator, wash pad, parking, outside buildings for lumber and bulk storage of targets, antenna tower, and fenced outside storage area. A building and tower must be built on a down-range mountain to support the communications tower at the complex. Special foundation work is required. Supporting facilities include facilities outside the range complex perimeter and consist of utilities; electric service; fire protection and alarm systems; paving, walks, curbs and gutters; roads; storm drainage; security fencing; information systems; and site improvements. Heating will be provided by a self-contained gas-fired boiler. Access for the handicapped will be provided in the control facility only. Mechanical ventilation: 50,000 CFM.							
11. REQUIREMENT: 24,900 SF ADEQUATE: NONE SUBSTANDARD: 7,292 SF PROJECT: Construct a range control complex. (Current Mission)							

1. COMPONENT Army	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Carson, Colorado

4. PROJECT TITLE Range Control Facility	5. PROJECT NUMBER 2220
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9. COST ESTIMATES (CONTINUED)

<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit COST</u>	<u>Cost (\$000)</u>
PRIMARY FACILITY (CONTINUED)				
Antenna Tower	LS	--	--	(87)
Retransmission Site	LS	--	--	(114)
Information Systems	LS	--	--	(42)
			Total	243

REQUIREMENT: This project is required to support the training of personnel assigned to Fort Carson, and approximately 5,000 Reserve, National Guard, Marines and Reserve Officers' Training Corps (ROTC) units annually. The upgrade in communications is required because mountainous areas down-range from Fort Carson cannot be reached by radio.

CURRENT SITUATION: The present facility consists of six World War II wood buildings that are well past their useful life. The facility provides no space for equipment maintenance, target construction, painting, and many other daily functions. Office space and toilet facilities are inadequate for the current mission. Most of the range equipment and target devices must be stored out in the weather, as well as all of the lumber used to construct targetry. A facility must be provided for the high-tech range equipment now being fielded at Fort Carson.

IMPACT IF NOT PROVIDED: If this project is not provided, units will not receive the quality of support necessary to provide the best possible training. Equipment and supplies that should be stored inside, will continue to deteriorate due to weather damage. Inadequate radio communications will continue to impede training operations and pose a safety threat when certain parts of the training areas cannot be reached by radio.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

1. COMPONENT Army	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Carson, Colorado

4. PROJECT TITLE Range Control Facility	5. PROJECT NUMBER 2220
---	----------------------------------

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
 - (a) Design Start Date..... FEB 1991
 - (b) Percent Complete As Of 01 January 93 (BDGT YR).. 35
 - (c) Percent Complete As Of 01 October 93 (PROG YR).. 100
 - (d) Design Complete Date..... SEP 1993

- (2) Basis:
 - (a) Standard or Definitive Design - (YES/NO) N
 - (b) Where Design Was Most Recently Used

- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 202
 - (b) All Other Design Costs..... 122
 - (c) Total Design Cost..... 324
 - (d) Contract..... 243
 - (e) In-house..... 81

- (4) Construction Start..... FEB 1994
month & year

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	1994	26
		TOTAL	<u>26</u>

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION APPROPRIATION		PAGE
			REQUEST	REQUEST	
Georgia		Fort Benning (TRADOC)			49
	22546	Multipurpose Machine Gun Range	1,650	1,650	51
	35301	Whole Barracks Renewal	17,500	17,500	54
	35308	Barracks Modernization	18,500	18,500	57
		Subtotal For Fort Benning PART I	\$ 37,650	37,650	
		Fort Stewart (FORSCOM)			61
	39137	Cargo Handling Facility	4,500	4,500	63
	39141	Expand Ammunition Storage Area	3,600	3,600	66
	39143	Railroad Track Improvement	2,000	2,000	69
	39153	Hardstand	8,700	8,700	72
	Subtotal For Fort Stewart PART I	\$ 18,800	18,800		
	* TOTAL MCA FOR Georgia	\$ 56,450	56,450		

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Benning Georgia			4. COMMAND US Army Training and Doctrine Command			5. AREA CONSTRUCTION COST INDEX 0.79	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
		TOTAL					
A. AS OF 30 SEP 1992		1501	11431	4137	2264	8920	15
		56	121	3204	31,649		
B. END FY 1999		1216	9941	4115	2013	8653	22
		56	121	3204	29,341		
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		169,268 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		1,957,601					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		37,650					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		30,950					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0					
G. REMAINING DEFICIENCY.....		52,350					
H. GRAND TOTAL.....		2,078,551					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
179	22546	Multipurpose Machine Gun Range		1,650	01/1992	09/1993	
721	35301	Whole Barracks Renewal		17,500	07/1992	01/1994	
721	35308	Barracks Modernization		18,500	07/1992	09/1993	
				TOTAL	37,650		
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
860		Railroad Track Loading Facility		5,500			
179		Upgrade Camouche Tank Range		1,900			
721		Whole Barracks Renewal		19,200			
442		Mobilization Deployment Storehouse		4,350			
				TOTAL	30,950		
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Provides support and facilities for the U.S. Army Infantry Center and School, major combat and combat support forces, Martin U.S. Army Hospital, other tenant and satellited activities and units, and Reserve Components Training.							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Fort Benning Georgia										
10. MISSION OR MAJOR FUNCTIONS: (...CONTINUED)										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: <table style="width: 100%; border: none;"> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT ARMY		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Benning Georgia				4. PROJECT TITLE Multipurpose Machine Gun Range			
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 179		7. PROJECT NUMBER 22546		8. PROJECT COST (\$000) Auth 1,650 Approp 1,650	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							1,116
Machinegun, M60, Transition Range				LS	--	--	(1,115)
Information Systems				LS	--	--	(1)
<u>SUPPORTING FACILITIES</u>							358
Paving, Walks, Curbs And Gutters				LS	--	--	(11)
Storm Drainage				LS	--	--	(17)
Site Imp(324) Demo()				LS	--	--	(324)
Information Systems				LS	--	--	(6)
ESTIMATED CONTRACT COST							1,474
CONTINGENCY PERCENT (5.00%)							74
SUBTOTAL							1,548
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							93
TOTAL REQUEST							1,641
TOTAL REQUEST (ROUNDED)							1,650
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(277)
10. Description of Proposed Construction Construct a standard-design multi-purpose squad automatic weapons (SAW) and machine gun (MG) range with ten firing lanes. Primary facilities include all construction within the perimeter of the range complex and consist of primary power to the site (approximately one mile), secondary down range power and data control, control tower, infantry stationary target emplacements, infantry hostile fire simulator emplacements, down range target access roads, information systems, and public address system. Connect to energy monitoring and control system (EMCS). Heating (electric) and air conditioning (2 tons) will be provided by a self-contained unit for the control tower. Supporting facilities include all work outside the perimeter of the range complex and consist of parking, storm drainage, security fencing and gates, information systems, and site improvements. High support facility costs are due to the earthwork required to extend the boundaries of the existing range. Targetry will be funded by Other Procurement, Army (OPA).							
11. REQUIREMENT:		1 EA ADEQUATE:		NONE		SUBSTANDARD: 1 EA	
PROJECT: Construct a standard-design multi-purpose SAW and MG Transition Range. (Current Mission)							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
-----------------------------	---	------------------------------

3. INSTALLATION AND LOCATION
Fort Benning, Georgia

4. PROJECT TITLE Multipurpose Machine Gun Range	5. PROJECT NUMBER 22546
---	-----------------------------------

REQUIREMENT: This project is required to provide Active Army, Reserve and National Guard units combat training on the SAW and will comply with the One Station Unit Training (OSUT) Program of Instruction directive by the Army. It will permit training to standards by all tenant activities and units of the US Army Infantry Center.

CURRENT SITUATION: There are no standard facilities available at Fort Benning capable of supporting SAW training. Units use existing inadequate facilities. Training is being conducted by the United States Infantry Training Center (USAITC) on a marginal, substandard basis, using Wagner Range. Wagner Range is a nine-point, machine gun transition range with ten temporarily installed portable, remote control, 100-300 meter target systems. These facilities are not cost effective and training is not to standard.

IMPACT IF NOT PROVIDED: If this project is not provided, there will be a significant adverse impact on SAW training. The units will not be able to attain the degree of proficiency required for combat, and excessive training time will be required.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
 - (a) Design Start Date..... JAN 1992
 - (b) Percent Complete As Of 01 January 93 (BDGT YR).. 40
 - (c) Percent Complete As Of 01 October 93 (PROG YR).. 100
 - (d) Design Complete Date..... SEP 1993

- (2) Basis:
 - (a) Standard or Definitive Design - (YES/NO) Y
 - (b) Where Design Was Most Recently Used
Schofield Barracks

- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 82
 - (b) All Other Design Costs..... 50
 - (c) Total Design Cost..... 132

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
-----------------------------	---	------------------------------

3. INSTALLATION AND LOCATION
Fort Benning, Georgia

4. PROJECT TITLE Multipurpose Machine Gun Range	5. PROJECT NUMBER 22546
---	-----------------------------------

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(d) Contract..... 99
(e) In-house..... 33

(4) Construction Start..... JAN 1994
month & year

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/Simulators	OPA	1993	277
		TOTAL	<u>277</u>

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Fort Benning Georgia				4. PROJECT TITLE Whole Barracks Renewal				
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 721	7. PROJECT NUMBER 35301		8. PROJECT COST (\$000) Auth 17,500 Approp 17,500			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY								12,443
Modernize Barracks					SF	74,964	61.00	(4,573)
Barracks Addition					SF	35,404	72.18	(2,556)
Company Operations Facilities					SF	31,380	73.43	(2,305)
Dining Facility					SF	14,116	140.50	(1,983)
Asbestos Removal					LS	--	--	(433)
Total from Continuation page								(593)
SUPPORTING FACILITIES								3,258
Electric Service					LS	--	--	(474)
Water, Sewer, Gas					LS	--	--	(113)
Steam And/Or Chilled Water Distr					LS	--	--	(1,000)
Paving, Walks, Curbs And Gutters					LS	--	--	(513)
Storm Drainage					LS	--	--	(138)
Site Imp(333) Demo(371)					LS	--	--	(704)
Information Systems					LS	--	--	(316)
ESTIMATED CONTRACT COST								15,701
CONTINGENCY PERCENT (6.50%)								1,021
SUBTOTAL								16,722
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								1,003
TOTAL REQUEST								17,725
TOTAL REQUEST (ROUNDED)								17,500
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(134)
10. Description of Proposed Construction Modernize and expand two barracks. Work includes living/sleeping room with private bath, walk-in closets, dayroom, storage and laundry. Six Company Operations facilities will be constructed as separate facilities not located within the barracks. Construct a centralized dining facility (400-800 capacity). Work includes asbestos removal and information systems. Connect to existing energy monitoring and control system (EMCS). Install an intrusion detection system (IDS). Supporting facilities include utilities; electric service; exterior lighting; fire protection and alarms systems; paving, walks, curbs and gutters; parking; steam and chilled water lines; storm drainage; dumpster enclosures, information systems; and site improvements. Access for the handicapped will be provided for the core building only. Heating will be provided by a self-contained system. Air conditioning (500 tons) will be provided by modifying the existing system. Demolish four existing buildings (90,430 SF) within the footprint.								
11. REQUIREMENT: 5,718 PN ADEQUATE: 30 PN SUBSTANDARD: 6,887 PN PROJECT: Modernize and expand two barracks and construct six company operations facilities and one standard-design dining facility (400-800 capacity) to meet the Whole Barracks Renewal Program Standard. (Current								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Fort Benning, Georgia				
4. PROJECT TITLE Whole Barracks Renewal	5. PROJECT NUMBER 35301			
9. COST ESTIMATES (CONTINUED)				
<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit COST</u>	<u>Cost (\$000)</u>
PRIMARY FACILITY (CONTINUED)				
IDS Installation	LS	--	--	(12)
EMCS Connections	LS	--	--	(336)
Building Information Systems	LS	--	--	(245)
Total				593
PROJECT: (CONTINUED)				
Mission)				
REQUIREMENT: This is the first in a series of 14 Whole Barracks Renewal Projects required to complete Fort Benning's long range plan for barracks renewal and modernization. This project is required to provide adequate, standard housing for unaccompanied enlisted personnel stationed at Fort Benning. Intended utilization of the barracks will be 340 personnel (maximum utilization is 400 personnel). This project will also construct separate company operations facilities; construct one standard-design dining facility (400-800 person); and contribute to the health, welfare, and morale of the service members residing in the barracks.				
CURRENT SITUATION: Four barracks buildings, originally constructed in 1954, provide minimally adequate single personnel housing for 486 enlisted personnel. Latrine and shower facilities are central. Rooms created as part of a modernization project in the 1970s provide only minimum amenities. Each building includes two each company operations functions that share one designed area (split between the basement and first floor) and two buildings contain dining facilities. These areas are inadequate to accommodate the two companies now housed in the buildings.				
IMPACT IF NOT PROVIDED: If this project is not provided, permanent party enlisted personnel will continue to be housed in marginally adequate facilities, resulting in lower morale and retention rates. Separate dining facilities, which should be consolidated, will continue to operate. Improvements in keeping with the Army's Communities of Excellence program will not be provided, which will directly affect the welfare of soldiers residing in the facilities.				
ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.				

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Benning, Georgia

4. PROJECT TITLE Whole Barracks Renewal	5. PROJECT NUMBER 35301
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12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
- (a) Design Start Date..... JUL 1992
 - (b) Percent Complete As Of 01 January 93 (BDGT YR).. 35
 - (c) Percent Complete As Of 01 October 93 (PROG YR).. 90
 - (d) Design Complete Date..... JAN 1994

(2) Basis:

- (a) Standard or Definitive Design - (YES/NO) **N**
- (b) Where Design Was Most Recently Used

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

- (a) Production of Plans and Specifications..... 672
- (b) All Other Design Costs..... 336
- (c) Total Design Cost..... 1,008
- (d) Contract.....
- (e) In-house..... 1,008

(4) Construction Start..... MAR 1994
month & year

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>
IDS Equipment	OPA	1994	12
Info Sys - ISC	OPA	1994	122
		TOTAL	<u>134</u>

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Benning Georgia				4. PROJECT TITLE Barracks Modernization		
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 721	7. PROJECT NUMBER 35308		8. PROJECT COST (\$000) Auth 18,500 Approp 18,500	
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	COST (\$000)
PRIMARY FACILITY						12,959
Modernize Barracks				SF	74,964	61.00 (4,573)
Barracks Addition				SF	35,404	72.92 (2,582)
Company Operations				SF	36,450	73.50 (2,679)
Asbestos Removal				LS	--	(458)
IDS Installation				LS	--	(24)
Total from Continuation page						(2,643)
SUPPORTING FACILITIES						3,383
Electric Service				LS	--	(404)
Water, Sewer, Gas				LS	--	(57)
Steam And/Or Chilled Water Distr				LS	--	(1,122)
Paving, Walks, Curbs And Gutters				LS	--	(574)
Storm Drainage				LS	--	(138)
Site Imp(374) Demo(422)				LS	--	(796)
Information Systems				LS	--	(292)
ESTIMATED CONTRACT COST						16,342
CONTINGENCY PERCENT (6.50%)						1,062
SUBTOTAL						17,404
SUPERVISION, INSPECTION & OVERHEAD (6.00%)						1,044
TOTAL REQUEST						18,448
TOTAL REQUEST (ROUNDED)						18,500
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS						(257)
10. Description of Proposed Construction Modernize and expand two barracks. Work includes living/sleeping room, private bath, walk-in closets, dayroom, storage, laundry, information systems, patio, and asbestos removal. Construct eight (six small and two large) Company Operations facilities as separate facilities not located within the barracks. Connect to existing energy monitoring and control system (EMCS). Install an intrusion detection system (IDS). Temporary billeting, dining and company operations space for enlisted personnel during barracks modernization will be required. Install demountable partitioning (non-MCA funded) in the open sleeping bays and in the battalion classrooms and administrative areas of a vacant trainee barracks. Temporary billeting related work includes: electrical, information systems, and television service; reworking of heating, ventilation, and air conditioning (HVAC) systems and ductwork; expand existing supply and arms rooms into the covered training areas; parking; storm drainage; and site improvements. Supporting facilities include utilities; electric services; exterior lighting; fire protection and alarm systems; steam and water distribution lines; paving, walks, curbs and gutters; parking and access drives; signage; storm drainage; information systems; and site improvements. Demolish five buildings and portions of two other buildings (101,682 SF) within the footprint. Heating and air						

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Benning, Georgia

4. PROJECT TITLE Barracks Modernization	5. PROJECT NUMBER 35308
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9. COST ESTIMATES (CONTINUED)

<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit COST</u>	<u>Cost (\$000)</u>
<u>PRIMARY FACILITY (CONTINUED)</u>				
Temporary Billeting	SF	85,000	15.56	(1,323)
Temp. Company Operations	SF	42,500	8.40	(357)
EMCS Connections	LS	--	--	(305)
Building Information Systems	LS	--	--	(658)
			Total	2,643

DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)

conditioning (400 tons) will be provided by the existing central energy plant system.

11. REQUIREMENT: 5,070 PN ADEQUATE: 884 PN SUBSTANDARD: 4,639 PN

PROJECT: Modernize and expand two barracks, construct eight company operations facilities to meet the Whole Barracks Renewal Program Standard. Provide temporary billeting during modernization. (Current Mission)

REQUIREMENT: This is the second in a series of 14 Whole Barracks Renewal Projects required to complete Fort Benning's long range plan for barracks renewal and modernization. This project is required to provide adequate, standard housing for unaccompanied enlisted personnel stationed at Fort Benning. Intended utilization of the barracks will be 340 personnel (maximum utilization is 400 personnel. This project will also construct separate company operations facilities; and contribute to the health, welfare, and morale of the service members residing in these barracks. Temporary billeting, dining and company operations space for enlisted personnel in a vacant trainee barracks is required by this project prior to barracks modernization. This swing space will expedite the barracks modernization/construction process and will be reused again and again in support of the remaining 12 barracks renewal projects in Fort Benning's long range plan; it is a one time expenditure.

CURRENT SITUATION: These facilities, originally constructed in 1956, provide minimum adequacy standards for 521 personnel. Latrine and shower facilities are central. Rooms created as part of a modernization project in the 1970s provide only minimum amenities. Each building includes two each company operations functions that share one designed area (split between the basement and first floor) while two buildings contain dining facilities. These areas are inadequate to accommodate the two companies now housed in the buildings. Vacant, austere space for billeting, dining and company operations for two battalion sized units to relocate to during modernization and construction does not exist on Fort Benning. Reduced basic training loads have resulted in one basic trainee barracks becoming vacant. Temporary austere reconfiguration of the interior open bays of this structure would provide the needed space for billeting and company operations for the two battalion sized units.

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Benning, Georgia		
4. PROJECT TITLE Barracks Modernization	5. PROJECT NUMBER 35308	
<p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, permanent party enlisted personnel will continue to be housed in marginal facilities, resulting in lower morale and retention rates. Improvements in keeping with the Army's Communities of Excellence program will not be provided which will directly affect the welfare of soldiers residing in the facilities.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	JUL 1992	
(b) Percent Complete As Of 01 January 93 (BDGT YR)..	35	
(c) Percent Complete As Of 01 October 93 (PROG YR)..	100	
(d) Design Complete Date.....	SEP 1993	
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....	850	
(b) All Other Design Costs.....	510	
(c) Total Design Cost.....	1,360	
(d) Contract.....		
(e) In-house.....	1,360	
(4) Construction Start.....		
		MAY 1994
month & year		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION Fort Benning, Georgia
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4. PROJECT TITLE Barracks Modernization	5. PROJECT NUMBER 35308
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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>
IDS Equipment	OPA	1994	12
Info Sys - ISC	OPA	1994	245
		TOTAL	<u>257</u>

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Stewart Georgia			4. COMMAND US Army Forces Command			5. AREA CONSTRUCTION COST INDEX 0.81	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
		TOTAL		TOTAL		TOTAL	
A. AS OF 30 SEP 1992	1304	13197	2309	0	138	0	11 58 1921 18,938
B. END FY 1999	1336	13311	2628	0	110	0	14 58 1918 19,375
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		284,389 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		1,482,291					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		18,800					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		13,400					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0					
G. REMAINING DEFICIENCY.....		152,388					
H. GRAND TOTAL.....		1,666,879					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
422	39141	Expand Ammunition Storage Area		3,600	09/1992	12/1993	
156	39137	Cargo Handling Facility		4,500	10/1992	09/1993	
852	39153	Hardstand		8,700	09/1992	10/1993	
860	39143	Railroad Track Improvement		2,000	09/1992	10/1993	
TOTAL				18,800			
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
442		General Purpose Warehouse		13,400			
TOTAL				13,400			
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Support and training of an Infantry Division (Mech) and non-divisional support units, and provide support for tenant and satellited activities and Reserve Components training.							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Fort Stewart Georgia										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table data-bbox="181 457 1040 585"> <thead> <tr> <th></th> <th style="text-align: right;">(\$000)</th> </tr> </thead> <tbody> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </tbody> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Stewart Georgia			4. PROJECT TITLE Cargo Handling Facility		
5. PROGRAM ELEMENT 22696A		6. CATEGORY CODE 156	7. PROJECT NUMBER 39137	8. PROJECT COST (\$000) Auth 4,500 Approp 4,500	
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY					2,992
Operations Building		SF	912	66.83	(61)
Concrete Hardstand		SY	35,188	40.40	(1,422)
Exterior Lighting		LS	--	--	(387)
Railroad Track		LS	--	--	(1,122)
SUPPORTING FACILITIES					1,043
Electric Service		LS	--	--	(14)
Water, Sewer, Gas		LS	--	--	(53)
Paving, Walks, Curbs And Gutters		LS	--	--	(3)
Storm Drainage		LS	--	--	(254)
Site Imp(719) Demo()		LS	--	--	(719)
ESTIMATED CONTRACT COST					4,035
CONTINGENCY PERCENT (5.00%)					202
SUBTOTAL					4,237
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					254
TOTAL REQUEST					4,491
TOTAL REQUEST (ROUNDED)					4,500
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(19)
10. Description of Proposed Construction Construct a container handling facility to include an operations building, an end ramp with side ramp attached, hardstand, and exterior lighting. Supporting facilities include utilities, electric service, fire protection and alarm systems, access road, fencing and gates, storm drainage, and site improvements. Access for the handicapped will be provided. Heating and air conditioning (2.25 tons) will be provided by self-contained units.					
11. REQUIREMENT: 35,188 SY ADEQUATE: NONE SUBSTANDARD: NONE					
PROJECT: Construct a container handling facility, an operations building and railroad track. (Current Mission)					
REQUIREMENT: This project will streamline deployment/redeployment of contingency forces by trucks and rail to port of embarkation and will provide a modern efficient facility to handle, transload and store 20 and 40 foot containers used to support the 24th Infantry Division (Mechanized) on a round the clock, 24 hour/per day basis. Adequate permanent facilities are not available to support this rapid deployment mission. Also, this facility will be used for "routine" deployment, e.g. National Training Center (NTC) rotations, exercises and day-to-day Directorate of Logistics (DOL) supply					

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993								
3. INSTALLATION AND LOCATION Fort Stewart, Georgia										
4. PROJECT TITLE Cargo Handling Facility	5. PROJECT NUMBER 39137									
<p><u>REQUIREMENT:</u> (CONTINUED)</p> <p>business.</p> <p><u>CURRENT SITUATION:</u> This project was included as a result of experience with the Desert Storm Deployment. Fort Stewart has no facilities or organic equipment to handle and store containers. Containers have become the worldwide standard means of shipping and are necessary for the efficient shipping of both civilian and military equipment and materiel. The post has compensated for this deficiency by using other equipment not designed for containers and by "borrowing" Army Reserve equipment from a equipment storage facility located approximately three miles from the staging site. Availability of this equipment for future exercises is contingent upon the maintenance status of the equipment and the deployment status of the owning unit. The containers themselves are stored and handled in an unlighted and unpaved compound and in numerous scattered locations around the post. This results in an uncertain, insecure, unsafe and inefficient loading operation under times of extreme urgency.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the installation will have no dedicated container handling facilities or equipment. As a result most of the efficiency that might be gained by the use of containers in unit deployment is lost at the installation. Handling of containers is accomplished using borrowed or inappropriate equipment in a slow and unsafe manner. Without the proper facility and equipment, containers are a burden rather than an efficient means of handling cargo.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>										
12. <u>SUPPLEMENTAL DATA:</u>										
<p>A. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Design Start Date.....</td> <td>OCT 1992</td> </tr> <tr> <td>(b) Percent Complete As Of 01 January 93 (BDGT YR)..</td> <td>35</td> </tr> <tr> <td>(c) Percent Complete As Of 01 October 93 (PROG YR)..</td> <td>100</td> </tr> <tr> <td>(d) Design Complete Date.....</td> <td>SEP 1993</td> </tr> </table> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design - (YES/NO) N</p> <p>(b) Where Design Was Most Recently Used</p>			(a) Design Start Date.....	OCT 1992	(b) Percent Complete As Of 01 January 93 (BDGT YR)..	35	(c) Percent Complete As Of 01 October 93 (PROG YR)..	100	(d) Design Complete Date.....	SEP 1993
(a) Design Start Date.....	OCT 1992									
(b) Percent Complete As Of 01 January 93 (BDGT YR)..	35									
(c) Percent Complete As Of 01 October 93 (PROG YR)..	100									
(d) Design Complete Date.....	SEP 1993									

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Stewart, Georgia		
4. PROJECT TITLE Cargo Handling Facility	5. PROJECT NUMBER 39137	

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.....	250
(b) All Other Design Costs.....	150
(c) Total Design Cost.....	400
(d) Contract.....	300
(e) In-house.....	100

(4) Construction Start..... JAN 1994
month & year

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 - PROP	OPA	1994	19
		TOTAL	19

1. COMPONENT ARMY		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Fort Stewart Georgia				4. PROJECT TITLE Expand Ammunition Storage Area				
5. PROGRAM ELEMENT 22696A		6. CATEGORY CODE 422		7. PROJECT NUMBER 39141		8. PROJECT COST (\$000) Auth 3,600 Approp 3,600		
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>								2,729
Igloo Storage					SF	20,000	112.51	(2,250)
Modify Exist Igloos					LS	--	--	(46)
Loading Hardstand					SY	8,365	16.12	(135)
Igloo Roads					SY	5,369	20.25	(109)
Connecting Roads					SY	3,278	16.11	(53)
Total from Continuation page								(136)
<u>SUPPORTING FACILITIES</u>								493
Electric Service					LS	--	--	(17)
Storm Drainage					LS	--	--	(23)
Site Imp(431) Demo()					LS	--	--	(431)
Information Systems					LS	--	--	(22)
ESTIMATED CONTRACT COST								3,222
CONTINGENCY PERCENT (5.00%)								161
SUBTOTAL								3,383
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								203
TOTAL REQUEST								3,586
TOTAL REQUEST (ROUNDED)								3,600
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(30)
10. Description of Proposed Construction Expand Ammunition Supply Point facilities by adding storage igloos, increase staging area, construct a connecting road, and widen and repave an emergency road. Install an intrusion detection system (IDS). Supporting facilities include electric service; security lighting; paving, walks, curbs and gutters; storm drainage; information systems; and site improvements.								
11. REQUIREMENT: 87,020 SF ADEQUATE: 64,800 SF SUBSTANDARD: NONE								
PROJECT: Expand Ammunition Supply Point (ASP) facilities. (Current Mission)								
REQUIREMENT: This project is required to provide sufficient facilities for storage of the installation's authorized basic load and training ammunition, to improve the capacity and efficiency to receive and rapidly outload ammunition, to improve complex accessibility and internal vehicle movement, and to provide a 24 hour outload capability for the heavy division of the Rapid Deployment Force.								
CURRENT SITUATION: The Desert Storm Deployment demonstrated that Fort Stewart does not have adequate ammunition storage facilities for the basic load and training munitions of the 24th Infantry Division. Approximately 75 percent is stored at the installation's Ammunition Supply Point (ASP), 12								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION

Fort Stewart, Georgia

4. PROJECT TITLE

Expand Ammunition Storage Area

5. PROJECT NUMBER

39141

9. COST ESTIMATES (CONTINUED)

<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit COST</u>	<u>Cost (\$000)</u>
<u>PRIMARY FACILITY (CONTINUED)</u>				
Access Roads	SY	1,809	18.13	(33)
Exterior Lighting	LS	--	--	(103)
			Total	136

CURRENT SITUATION: (CONTINUED)

percent is stored 45 miles away from issue point at the Hunter Army Airfield ASP, and the majority of the remaining 13 percent is stored at Lexington-Bluegrass Army Depot which is 400 miles away. In addition, there are 30 storage bunkers at the existing ASP which do not have adequate hardstand area, lighting and road network. Insufficient facilities for ammunition storage on Fort Stewart means that the 24th Infantry Division cannot meet its 48 hour deployment requirement for the "ready brigade".

IMPACT IF NOT PROVIDED: If this project is not provided, outloading of the division's basic load ammunition will be hampered by limited vehicle access, poor lighting, insufficient storage area for projected needs and inadequate paved area to stage ammunition for loading. These conditions delay individual unit ammunition processing which directly impacts the division's ability to deploy rapidly and safely.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	<u>SEP 1992</u>
(b) Percent Complete As Of 01 January 93 (BDGT YR)..	<u>35</u>
(c) Percent Complete As Of 01 October 93 (PROG YR)..	<u>90</u>
(d) Design Complete Date.....	<u>DEC 1993</u>

(2) Basis:

- (a) Standard or Definitive Design - (YES/NO) Y
- (b) Where Design Was Most Recently Used

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Stewart, Georgia

4. PROJECT TITLE Expand Ammunition Storage Area	5. PROJECT NUMBER 39141
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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.....	215
(b) All Other Design Costs.....	149
(c) Total Design Cost.....	364
(d) Contract.....	273
(e) In-house.....	91

(4) Construction Start..... **FEB 1994**
month & year

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>
IDS Equipment	OPA	1995	30
		TOTAL	30

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Stewart Georgia				4. PROJECT TITLE Railroad Track Improvement		
5. PROGRAM ELEMENT 22696A		6. CATEGORY CODE 860	7. PROJECT NUMBER 39143		8. PROJECT COST (\$000) Auth 2,000 Approp 2,000	
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	COST (\$000)
PRIMARY FACILITY						
Railroad Pass Track				LF	10,670	138.62 (1,479)
RR Signalization				EA	2	50,000 (100)
SUPPORTING FACILITIES						
Storm Drainage				LS	--	-- (11)
Site Imp(200) Demo()				LS	--	-- (200)
ESTIMATED CONTRACT COST						1,790
CONTINGENCY PERCENT (5.00%)						90
SUBTOTAL						1,880
SUPERVISION, INSPECTION & OVERHEAD (6.00%)						113
TOTAL REQUEST						1,993
TOTAL REQUEST (ROUNDED)						2,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS						(0)
10. Description of Proposed Construction Construct a two-mile railroad pass track parallel to the Fort Stewart main lead track. Work includes an access road and an operations building. The pass track includes rail trackage, rail ties, ballast, switches, frogs, drainage, align and level rails, grading, sub-base material, crossovers, and signalization. Supporting facilities include electric service, security lighting and fencing, paving, access roads, and site improvements.						
11. REQUIREMENT: 2 MI ADEQUATE: NONE SUBSTANDARD: NONE						
PROJECT: Construct a railroad pass track. (Current Mission)						
REQUIREMENT: This project will provide a pass track to facilitate and expedite the make-up, storage and movement of railroad trains. The rapid deployment of the 24th Infantry Division (24th ID) depends substantially on rail movements, in-bound and outbound, of vehicles, equipment and supplies. This two mile pass will accommodate the required 100-plus car trains and allow several rail movements per day. Also, this facility will be used for "routine" deployment e.g. National Training Center (NTC) rotations, exercises, and day-to-day Directorate of Logistics (DOL) Supply business.						

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Stewart, Georgia

4. PROJECT TITLE Railroad Track Improvement	5. PROJECT NUMBER 39143
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CURRENT SITUATION: Operation Desert Storm clearly demonstrated that the lack of this pass track resulted in congestion and hampered the rapid staging of rail cars. In-bound and out-bound rail movements normally consist of 30-plus car trains and occur approximately 20 times a year with half of these involving trains of more than 100 cars. The number of these exercises is expected to increase when the SL-7 transport ships are available full time in Savannah Harbor. Existing cantonment area spur and side tracks can accommodate made-up trains of only 25-30 cars, and then only by blocking loading areas and warehouse doors. Longer trains can be made up only by using several spurs and portions of the main lead simultaneously. The make-up operation requires much time, blocks loading ramps and warehouse doors, disrupts loading/unloading operations, and blocks several main road traffic arteries. As a result, many deployment related activities are disrupted slowed, or stopped during the make-up of trains. Once made up, the train must be severed in several locations (to unblock main roads) and stored on the main lead track while waiting movement to the main line. The stored train stops all in-bound and out-bound movements. Switch and road engines have no means to bypass the stored train. Rail movements are limited to one per day, at best. This project is compatible with the Army Strategic Mobilization Plan and will complement the FY 94 MCA Project Hardstand at Fort Stewart.

IMPACT IF NOT PROVIDED: If this project is not provided, rail movements, loading/unloading operations and train make-up will continue to be chaotic, ineffecient, slow and less safe. Rail system configuration, rather than actual requirements, will continue to dictate movement schedules.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

- (a) Design Start Date..... SEP 1992
- (b) Percent Complete As Of 01 January 93 (BDGT YR).. 35
- (c) Percent Complete As Of 01 October 93 (PROG YR).. 100
- (d) Design Complete Date..... OCT 1993

(2) Basis:

- (a) Standard or Definitive Design - (YES/NO) N

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Stewart, Georgia		
4. PROJECT TITLE Railroad Track Improvement	5. PROJECT NUMBER 39143	
12. <u>SUPPLEMENTAL DATA:</u> (Continued)		
A. Estimated Design Data: (Continued)		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....	<u>75</u>	
(b) All Other Design Costs.....	<u>125</u>	
(c) Total Design Cost.....	<u>200</u>	
(d) Contract.....	<u>150</u>	
(e) In-house.....	<u>50</u>	
(4) Construction Start..... <u>JAN 1994</u> month & year		
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> Cost (\$000)
None		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Stewart Georgia			4. PROJECT TITLE Hardstand			
5. PROGRAM ELEMENT 22696A	6. CATEGORY CODE 852	7. PROJECT NUMBER 39153		8. PROJECT COST (\$000) Auth 8,700 Approp 8,700		
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
<u>PRIMARY FACILITY</u>					5,823	
Ready Building		SF	3,016	76.65	(231)	
Concrete Hardstand		SY	150,000	25.78	(3,868)	
Loading Ramps		LS	--	--	(195)	
Fencing		LF	2,992	17.16	(51)	
Exterior Lighting		LS	--	--	(1,478)	
<u>SUPPORTING FACILITIES</u>					2,005	
Electric Service		LS	--	--	(207)	
Water, Sewer, Gas		LS	--	--	(30)	
Steam And/Or Chilled Water Distr		LS	--	--	(42)	
Paving, Walks, Curbs And Gutters		LS	--	--	(28)	
Storm Drainage		LS	--	--	(513)	
Site Imp(1,174) Demo()		LS	--	--	(1,174)	
Information Systems		LS	--	--	(11)	
ESTIMATED CONTRACT COST					7,828	
CONTINGENCY PERCENT (5.00%)					<u>391</u>	
SUBTOTAL					8,219	
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					<u>493</u>	
TOTAL REQUEST					8,712	
TOTAL REQUEST (ROUNDED)					8,700	
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(26)	
10. Description of Proposed Construction Construct a staging area to include a ready building, loading ramps, hardstand, and hardstand lighting and fencing. Supporting facilities include utilities, electric service, storm drainage, information systems, and site improvements. Access for the handicapped will be provided.						
11. REQUIREMENT: 150,000 SY ADEQUATE: NONE SUBSTANDARD: 383,000 SY PROJECT: Construct a staging area to accommodate a brigade (up to seven battalions) element at any time or in any weather for rail load operations. (Current Mission) REQUIREMENT: This project will provide secure, well lighted, and drained areas to promote successful deployments of elements of the 24th Infantry Division, and other military units that assemble at Fort Stewart. Adequate permanent facilities are not available to support this mission. Also, this facility will be used for "routine" deployment, e.g. National Training Center (NTC) rotations, exercises, and day-to-day Directorate of Logistics (DOL) Supply business.						

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Stewart, Georgia		
4. PROJECT TITLE Hardstand	5. PROJECT NUMBER 39153	
<p><u>CURRENT SITUATION:</u> Operation Desert Storm clearly demonstrated the need for a consolidated Brigade-sized marshalling area with hardstand and adequate lighting to support 24 hour operations in all weather and ground conditions. There are no existing hardstands on Fort Stewart that is large enough for staging a brigade for rail load operations. The only installation areas large enough to meet the mission are cleared ground areas that are poorly drained and unlighted. The best location for assembling a brigade size element for load up is a two rail track terminus area with loading docks in the west sector of the cantonment area. These grounds were once part of an ammunition storage point and are relatively clear. The staging of units here is problematic in inclement weather and dark.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, deployments during times of crisis may be compromised. Staging actions during exercises and other mobilizations will be conducted in inefficient ways.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		
<u>12. SUPPLEMENTAL DATA:</u>		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....		<u>SEP 1992</u>
(b) Percent Complete As Of 01 January 93 (BDGT YR)..		<u>35</u>
(c) Percent Complete As Of 01 October 93 (PROG YR)..		<u>100</u>
(d) Design Complete Date.....		<u>OCT 1993</u>
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....		<u>210</u>
(b) All Other Design Costs.....		<u>325</u>
(c) Total Design Cost.....		<u>535</u>
(d) Contract.....		<u>260</u>
(e) In-house.....		<u>275</u>

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Stewart, Georgia

4. PROJECT TITLE Hardstand	5. PROJECT NUMBER 39153
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12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(4) Construction Start..... FEB 1994
month & year

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 - PROP	OPA	1994	26
		TOTAL	<u>26</u>

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	INSTALLATION (COMMAND)	AUTHORIZATION		APPROPRIATION	PAGE
PROJECT NUMBER	PROJECT TITLE	REQUEST	REQUEST		
Hawaii	Schofield Barracks (USARPAC)				77
14840	Operations Facility	2,600	2,600		79
34642	Multi-Purpose Family Service Center	16,000	16,000		82
	Subtotal For Schofield Barracks PART I	\$ 18,600	18,600		
	* TOTAL MCA FOR Hawaii	\$ 18,600	18,600		

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Schofield Barracks Hawaii			4. COMMAND US Army Pacific			5. AREA CONSTRUCTION COST INDEX 1.42	
6. PERSONNEL STRENGTH:							
	PERMANENT		STUDENTS		SUPPORTED		
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 1992	1289	12407	812	0	111	0	0 0 538 15,157
B. END FY 1999	1306	12306	819	0	71	0	0 0 538 15,040
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....	14,089 AC						
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	314,889						
C. AUTHORIZATION NOT YET IN INVENTORY.....	0						
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	18,600						
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	25,500						
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0						
G. REMAINING DEFICIENCY.....	87,610						
H. GRAND TOTAL.....	446,599						
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST	DESIGN STATUS		
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
141	14840	Operations Facility		2,600	03/1992	10/1993	
740	34642	Multi-Purpose Family Service Center		16,000	01/1991	10/1993	
TOTAL				18,600			
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE	PROJECT TITLE		(\$000)				
A. INCLUDED IN THE FY 1995 PROGRAM:							
812	Upgrade Electrical System/Substation		15,500				
721	Whole Barracks Renewal		10,000				
TOTAL				25,500			
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
<p>Schofield Barracks houses peacetime garrison troops and their supporting organizations. It is the headquarters for the 25th Infantry Division. Parts of the U.S. Army Support Command Hawaii (USASCH), U.S. Army Information Systems Command and the 45th Support Group are also housed there. In addition, members of the other services occupy housing at Schofield.</p>							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Schofield Barracks Hawaii										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table><thead><tr><th></th><th style="text-align: right;">(\$000)</th></tr></thead><tbody><tr><td>A. AIR POLLUTION</td><td style="text-align: right;">0</td></tr><tr><td>B. WATER POLLUTION</td><td style="text-align: right;">0</td></tr><tr><td>C. OCCUPATIONAL SAFETY AND HEALTH</td><td style="text-align: right;">0</td></tr></tbody></table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Schofield Barracks Hawaii				4. PROJECT TITLE Operations Facility				
5. PROGRAM ELEMENT 91520A		6. CATEGORY CODE 141	7. PROJECT NUMBER 14840		8. PROJECT COST (\$000) Auth 2,600 Approp 2,600			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY								1,775
CIDC Field Operations Building					SF	12,918	135.70	(1,753)
IDS Installation					LS	--	--	(15)
Building Information Systems					LS	--	--	(7)
SUPPORTING FACILITIES								550
Electric Service					LS	--	--	(123)
Water, Sewer, Gas					LS	--	--	(28)
Paving, Walks, Curbs And Gutters					LS	--	--	(192)
Storm Drainage					LS	--	--	(75)
Site Imp(107) Demo()					LS	--	--	(107)
Information Systems					LS	--	--	(25)
ESTIMATED CONTRACT COST								2,325
CONTINGENCY PERCENT (5.00%)								116
SUBTOTAL								2,441
SUPERVISION, INSPECTION & OVERHEAD (6.50%)								159
TOTAL REQUEST								2,600
TOTAL REQUEST (ROUNDED)								2,600
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(7)
10. Description of Proposed Construction Construct a modified standard-design specialized Criminal Investigations Division Command (CIDC) Field Operations Building. Project includes administrative space, polygraph suite, secured evidence depository, suspect isolation areas, observation and interview areas with acoustic separation, photo identification and fingerprint room, property and supply storage and maintenance areas. Install an intrusion detection system (IDS). Supporting facilities include utilities, electric service, lightning protection, sanitary and storm sewers, fire protection and alarm systems, access roads, parking, fencing, information systems, and site improvements. Access for the handicapped will be provided. Air conditioning (45 tons) will be provided by a self-contained system. Demolish one building (800 SF) within the footprint.								
11. REQUIREMENT: 12,918 SF ADEQUATE: NONE SUBSTANDARD: 7,900 SF								
PROJECT: Construct a modified standard-design, specialized CIDC field operations building. (Current Mission)								
REQUIREMENT: This project is required to provide operating facilities for a District Headquarters and a Resident Agency, both of which are criminal investigative field offices of the US Army Criminal Investigation Command. The								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Schofield Barracks, Hawaii		
4. PROJECT TITLE Operations Facility	5. PROJECT NUMBER 14840	
<p>REQUIREMENT: (CONTINUED) Resident Agency requires special purpose space to perform its mission. Examples are a polygraph room and evidence depository. In addition, space for 15 non-tactical vehicles, support space for four High Mobility Multi-purpose Wheeled Vehicles (HMMWV) and a repository storage of other Modified Table of Organization and Equipment (MTOE) for a 9-man detachment is required, since the Resident Agency converts from a Table of Distribution and Allowances (TDA) to a TOE combat support unit in 1995. There are 37 full-time personnel occupying the facility. No facilities on or off the installation can properly satisfy the requirement. The project would allow all operations, less drug suppression, to be consolidated under one roof.</p> <p>CURRENT SITUATION: The unit currently uses a World War II, converted wooden warehouse that is too small even for its current needs. For example, it does not have a suspect waiting room, an interview/line-up room, a conference room, or restrooms (agents, victims, and suspects must share an outside latrine with the collocated Thrift Shop). The current evidence room storage situation violates CIDC standards: the evidence room is so small that part of the evidence must be stored in another warehouse. The interview rooms lack privacy and consequently are often not used. Since the overall layout is not functional and efficient, it impedes operations. Obtaining testimony and maintaining its confidentiality is difficult due to a suspect-victim-witness separation problem. The reliability and speed of the sensitive polygraph examination is also affected by the working environment: for example, climate control and extraneous noise distractions. The present lighting is dim and the ventilation is inadequate. The storage areas flood during the rainy season. In the summer the facility is excessively hot and humid.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, inadequate space for operations will become a critical problem, and the structure will continue to deteriorate. Victim, witness, and suspect processing will continue to suffer. Inadequate space will exist for the storage of Modified Table of Organization and Equipment (MTOE) by 1995. The failure to provide adequate facilities lowers both the morale and productivity of a small, overworked, specially-skilled force and is not encouraging to soldiers.</p> <p>ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project. Related Project: FY 95 MCA Project Number 35576 Electrical Upgrade will renovate the power in this area.</p>		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Schofield Barracks, Hawaii			
4. PROJECT TITLE Operations Facility	5. PROJECT NUMBER 14840		
12. SUPPLEMENTAL DATA:			
A. Estimated Design Data:			
(1) Status:			
(a) Design Start Date.....		<u>MAR 1992</u>	
(b) Percent Complete As Of 01 January 93 (BDGT YR)..		<u>35</u>	
(c) Percent Complete As Of 01 October 93 (PROG YR)..		<u>90</u>	
(d) Design Complete Date.....		<u>OCT 1993</u>	
(2) Basis:			
(a) Standard or Definitive Design - (YES/NO) N			
(b) Where Design Was Most Recently Used			
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)			
(a) Production of Plans and Specifications.....		<u>240</u>	
(b) All Other Design Costs.....		<u>240</u>	
(c) Total Design Cost.....		<u>240</u>	
(d) Contract.....		<u>240</u>	
(e) In-house.....		<u>240</u>	
(4) Construction Start..... <u>JAN 1994</u> month & year			
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>
IDS Equipment	OPA	1994	6
Info Sys - ISC	OPA	1994	1
TOTAL			<u>7</u>

1. COMPONENT ARMY		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Schofield Barracks Hawaii				4. PROJECT TITLE Multi-Purpose Family Service Center			
5. PROGRAM ELEMENT 22496A		6. CATEGORY CODE 740		7. PROJECT NUMBER 34642		8. PROJECT COST (\$000) Auth 16,000 Approp 16,000	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY							10,627
Child Development Center				SF	19,365	144.53	(2,799)
Playground w/Equip, Shed & Fence				LS	--	--	(390)
Family Center				SF	2,630	151.66	(399)
Chapel Center Facility				SF	13,638	190.10	(2,593)
Physical Fitness Center				SF	27,817	158.10	(4,398)
Information Systems				LS	--	--	(48)
SUPPORTING FACILITIES							3,577
Electric Service				LS	--	--	(573)
Water, Sewer, Gas				LS	--	--	(343)
Paving, Walks, Curbs And Gutters				LS	--	--	(951)
Storm Drainage				LS	--	--	(402)
Site Imp(1,249) Demo(14)				LS	--	--	(1,263)
Information Systems				LS	--	--	(45)
ESTIMATED CONTRACT COST							14,204
CONTINGENCY PERCENT (5.00%)							710
SUBTOTAL							14,914
SUPERVISION, INSPECTION & OVERHEAD (6.50%)							969
TOTAL REQUEST							15,883
TOTAL REQUEST (ROUNDED)							16,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(1)
10. Description of Proposed Construction This project is part of the Service Member Support Center project at Helemano Military Reservation. Funding for the Service Member Support Center will be shared by Non-Appropriated Funds (NAF) and Military Construction, Army (MCA) construction programs. The NAF funds will be used under FY 94 Project 41205 Youth Center. The youth center and the outdoor swimming pool and wading pool with pool house will be funded by NAF funds. Service Member Support Center supporting facilities costs are prorated between the MCA and NAF projects. This project will construct a two-story service member community support center and a stand alone standard-design child development center, playground with equipment, shed and fencing. Work includes a community services center, chapel center, and a standard-design physical fitness center. Supporting facilities include utilities; electric service; paving, walks, curbs and gutters; parking; fire sprinkler, fire protection and alarm systems; storm drainage; information systems; and site improvements. Access for the handicapped will be provided. Air conditioning (135 tons) will be provided by a self-contained unit. Mechanical ventilation (2,100 CFM) for restrooms and shower areas will be provided. Demolish one building (1,000 SF) and remove pavement (40,000 SF) and slabs (4,800 SF). Due to the proposed siting of the Service Member Support Center, a two-story structure is							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Schofield Barracks, Hawaii		
4. PROJECT TITLE Multi-Purpose Family Service Center	5. PROJECT NUMBER 34642	
<p><u>DESCRIPTION OF PROPOSED CONSTRUCTION:</u> (CONTINUED)</p> <p>necessary to avoid causing Radio Frequency Interference to the Naval Communication Area Master Station's (NAVCAMS) Circular Deploy Antenna Array. The two-story structure will require an elevator for the handicapped and freight.</p>		
<p><u>11. REQUIREMENT:</u> 67,079 SF ADEQUATE: NONE SUBSTANDARD: NONE</p> <p><u>PROJECT:</u> Construct a two-story multi-purpose family service center with a stand-alone, standard-design child development center (CDC). (Current Mission)</p> <p><u>REQUIREMENT:</u> This project is required to provide family support services facilities for Helemano Military Reservation (HMR) expanded family housing mission. It will provide a wide range of services to military personnel and their dependents. The Community Service Center will assist active duty personnel and family members with relocation and other quality-of-life concerns. Their services include financial planning, social worker counseling, family advocacy, employment services, information referral with follow-up, relocation assistance, foster care, consumer affairs, outreach program and exceptional family member program. Children will have opportunities for healthy development and a full range of activities. This project will serve an estimated 3,000 military personnel and their dependents.</p> <p><u>CURRENT SITUATION:</u> The HMR is a sub-installation of Schofield Barracks, three miles from Schofield Barracks and approximately two miles from the town of Wahiawa. Military families are now occupying the new 340 unit community. An additional 270 units were completed October 1992. At present, there are no soldier and family support facilities at Helemano. HMR is intended to house junior enlisted personnel. Statistically, these families have the greatest need of family support programs. The morale and welfare of the service members and their dependents living at HMR are seriously affected due to the distance from Schofield Barracks, the nearest installation providing morale, welfare and recreation support and programs. Further, the existing facilities at Schofield Barracks are fully utilized and were never designed to serve the additional requirements of HMR. Many personnel do not have privately-owned vehicles. No public transportation is available between Helemano and Schofield. They will have no facility available to meet their support needs. The heavy rain during at least four months of the year requires indoor support facilities.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, HMR master plan to provide community support facilities for over 600 families will not be met. HMR will continue to have no service member and dependent support center, which would adversely affect the retention rate, community morale and welfare, and physical fitness of personnel and their families.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1</p>		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Schofield Barracks, Hawaii

4. PROJECT TITLE Multi-Purpose Family Service Center	5. PROJECT NUMBER 34642
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ADDITIONAL: (CONTINUED)

January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	<u>JAN 1991</u>
(b) Percent Complete As Of 01 January 93 (BDGT YR)..	<u>35</u>
(c) Percent Complete As Of 01 October 93 (PROG YR)..	<u>100</u>
(d) Design Complete Date.....	<u>OCT 1993</u>

(2) Basis:

(a) Standard or Definitive Design - (YES/NO) N
(b) Where Design Was Most Recently Used

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

(\$000)

(a) Production of Plans and Specifications.....	<u>650</u>
(b) All Other Design Costs.....	<u>350</u>
(c) Total Design Cost.....	<u>1,000</u>
(d) Contract.....	<u>800</u>
(e) In-house.....	<u>200</u>

(4) Construction Start..... JAN 1994
month & year

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	1994	1
		TOTAL	<u>1</u>

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION APPROPRIATION		PAGE
			REQUEST	REQUEST	
Kentucky		Fort Campbell (FORSCOM)			87
	820	Dining Facilities Modernization	3,500	3,500	89
	33345	Airfield Improvements	3,950	3,950	92
	39057	Mobilization Warehouse	850	850	95
	40217	Whole Barracks Renewal	32,000	32,000	98
		Subtotal For Fort Campbell PART I	\$ 40,300	40,300	
		Fort Knox (TRADOC)			101
	3091	Whole Barracks Renewal	25,000	25,000	103
	6895	Maintenance Facility	12,200	12,200	106
	22332	Multipurpose Training Range	4,150	4,150	109
	Subtotal For Fort Knox PART I	\$ 41,350	41,350		
	* TOTAL MCA FOR Kentucky	\$ 81,650	81,650		

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1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	-2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Campbell Kentucky	4. COMMAND US Army Forces Command	5. AREA CONSTRUCTION COST INDEX 1.02
6. PERSONNEL STRENGTH:		
	PERMANENT	STUDENTS
	OFFICER ENLIST CIVIL	OFFICER ENLIST CIVIL
	OFFICER ENLIST CIVIL	SUPPORTED
	OFFICER ENLIST CIVIL	TOTAL
A. AS OF 30 SEP 1992	2744 19490 2398	17 187 0 18 92 507 25,453
B. END FY 1999	2783 19769 2624	23 180 0 17 92 2130 27,618
7. INVENTORY DATA (\$000)		
A. TOTAL ACREAGE.....	36,553 AC	
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		2,345,204
C. AUTHORIZATION NOT YET IN INVENTORY.....		0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		40,300
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		54,400
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0
G. REMAINING DEFICIENCY.....		124,806
H. GRAND TOTAL.....		2,564,710
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:		
CATEGORY PROJECT	COST	DESIGN STATUS
CODE NUMBER PROJECT TITLE	(\$000)	START COMPLETE
722 820 Dining Facilities Modernization	3,500	02/1992 09/1993
116 33345 Airfield Improvements	3,950	04/1992 09/1993
721 40217 Whole Barracks Renewal	32,000	08/1992 09/1993
442 39057 Mobilization Warehouse	850	08/1992 09/1993
TOTAL	40,300	
9. FUTURE PROJECTS:		
CATEGORY	COST	
CODE PROJECT TITLE	(\$000)	
A. INCLUDED IN THE FY 1995 PROGRAM:		
860 Railroad Connector	10,000	
214 Tactical Equipment Shop	15,500	
960 Railroad Track Addition	7,900	
721 Whole Barracks Renewal	21,000	
TOTAL	54,400	
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE		
10. MISSION OR MAJOR FUNCTIONS:		
Support and training of an Airborne (Air Assault) Division and other non-divisional support units. Ensure the most efficient utilization of resources to operate the installation and discharge the Fort Campbell area		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Fort Campbell Kentucky										
<p>10. MISSION OR MAJOR FUNCTIONS: (...CONTINUED)</p> <p>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.</p>										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table border="0"> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">7,587</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">8,083</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	7,587	B. WATER POLLUTION	8,083	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	7,587									
B. WATER POLLUTION	8,083									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Fort Campbell Kentucky				4. PROJECT TITLE Dining Facilities Modernization				
5. PROGRAM ELEMENT 22696A		6. CATEGORY CODE 722	7. PROJECT NUMBER 820		8. PROJECT COST (\$000) Auth 3,500 Approp 3,500			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY								2,930
Modernize Dining Facilities					SF	21,914	133.72	(2,930)
SUPPORTING FACILITIES								91
Electric Service					LS	--	--	(27)
Water, Sewer, & Gas					LS	--	--	(28)
Paving, Walks, Curbs & Gutters					LS	--	--	(25)
Storm Drainage					LS	--	--	(11)
ESTIMATED CONTRACT COST								3,021
CONTINGENCY PERCENT (10.0%)								302
SUBTOTAL								3,323
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								199
TOTAL REQUEST								3,522
TOTAL REQUEST (ROUNDED)								3,500
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(0)
10. Description of Proposed Construction Modernize three dining facilities. Project includes replacement of existing equipment in food preparation area, dishwashing area, and pot and pan washing area with state-of-the-art equipment; suspended acoustical ceilings; wall coverings; floor covering; sound system and lighting. Install self-service area and short order line, upgrade main utility service capacity to accommodate modern food service equipment, and replace building drain lines. Replace roofs on three facilities. Modernize toilets in food preparation area. Supporting facilities include utilities, electric service, sanitary sewer, grease traps, storm drainage, and paving. Heating (gas-fired), air conditioning (80 tons), and ventilating systems will be provided.								
11. REQUIREMENT: 12,640 PN ADEQUATE: 11,566 PN SUBSTANDARD: 1,074 PN PROJECT: Modernize three dining facilities (Number served 1,074). (Current Mission) REQUIREMENT: This renovation is required to improve the efficiency of service and the dining environment and to reduce risks of fire and other hazards due to deficiencies of heating, ventilation, and air conditioning (HVAC) systems, electrical wiring and outlets, and aging equipment to improve								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Campbell, Kentucky		
4. PROJECT TITLE Dining Facilities Modernization	5. PROJECT NUMBER 820	
<p><u>REQUIREMENT:</u> (CONTINUED)</p> <p>quality of food by use of modern equipment; to reduce damage to buildings due to excess moisture caused by lack of proper ventilation. The number of enlisted personnel (E-1 through E-9) served is 528 in one building and 273 each for the other two buildings. The three dining facilities are located approximately three to five miles apart. One building is located at Clarksville Base in the southwest cantonment area, one at Campbell Army Airfield in the north cantonment area, and the third located in the southwest portion of the cantonment area about three miles from Clarksville Base.</p> <p><u>CURRENT SITUATION:</u> Systems in existing dining facilities are worn, ineffective and inadequate, causing expensive damage and exposing personnel to an unhealthy working and eating environment. Heating and cooling systems of the facility at Campbell Army Airfield leak, ruining ceiling and floor tiles. Lights often blow due to moisture. Walk-in cooler walls are damaged beyond repair. Lack of ventilation in staff lavatories causes mildew. Equipment exposed to moisture poses a safety hazard. The second facility uses pedestal fans to ventilate the dining area adding to the noise intensity of 80-90 decibels (exceeding industry standards of 55 decibels). Kitchen staff is required to wear hearing protection and take audiograms. The third facility, which is at Clarksville Base, has an open dishwashing area. Steam is currently vented into the dining area causing damage and adding to the cooling load. Three walk-in freezers are unusable due to collapsed walls and ceilings. Portable refrigerators limit food storage capacity. Two facilities have one lavatory for a staff of 20 (standards require two latrines for this size). Lacking lockers to store belongings, the staff must wear work uniforms to work, which is unsanitary for food preparation.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the following adverse effects in the three dining facilities will result: unsafe and unhealthy working and dining conditions; unappealing dining areas; and disruptive and expensive repairs to aging equipment and utilities.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.</p>		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Campbell, Kentucky

4. PROJECT TITLE Dining Facilities Modernization	5. PROJECT NUMBER 820
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12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
- (a) Design Start Date..... FEB 1992
 - (b) Percent Complete As Of 01 January 93 (BDGT YR).. 35
 - (c) Percent Complete As Of 01 October 93 (PROG YR).. 100
 - (d) Design Complete Date..... SEP 1993

- (2) Basis:
- (a) Standard or Definitive Design - (YES/NO) **N**
 - (b) Where Design Was Most Recently Used

- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
- (a) Production of Plans and Specifications..... 175
 - (b) All Other Design Costs..... 105
 - (c) Total Design Cost..... 280
 - (d) Contract..... 210
 - (e) In-house..... 70

- (4) Construction Start..... APR 1994
month & year

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

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

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Fort Campbell Kentucky				4. PROJECT TITLE Airfield Improvements			
5. PROGRAM ELEMENT 22696A		6. CATEGORY CODE 116	7. PROJECT NUMBER 33345		8. PROJECT COST (\$000) Auth 3,950 Approp 3,950		
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY							2,751
Flight Ops Bldg/Control Tower				SF	8,170	140.00	(1,144)
Remove/install ATC Tower Equip.				LS	--	--	(40)
Runway Edge Lighting				LF	10,200	39.62	(404)
Upgrade to 8" U.G. Fuel Lines				LF	9,500	102.40	(973)
Fuel Loading/Unloading Island				LS	--	--	(172)
Building Information Systems				LS	--	--	(18)
SUPPORTING FACILITIES							817
Electric Service				LS	--	--	(334)
Water, Sewer, Gas				LS	--	--	(6)
Paving, Walks, Curbs And Gutters				LS	--	--	(141)
Storm Drainage				LS	--	--	(16)
Site Imp(61) Demo(14)				LS	--	--	(74)
Information Systems				LS	--	--	(246)
ESTIMATED CONTRACT COST							3,568
CONTINGENCY PERCENT (5.00%)							178
SUBTOTAL							3,746
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							225
TOTAL REQUEST							3,971
TOTAL REQUEST (ROUNDED)							3,950
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(25)
10. Description of Proposed Construction							
Install a combined central lighting control console in the existing tower with upgraded circuitry to provide computer monitoring capability at this new console. Install five-stage runway edge lighting system. Construct a flight operations building with a taller control tower, raze existing control tower and tower base. Remove air traffic control equipment from existing tower at Sabre Heliport and reinstall in new tower. Supporting facilities include utilities, electric service, emergency generator, paving, and site improvements. Demolish three aboveground fuel storage tanks (185,000 gallons).							
11. REQUIREMENT: 15,200 LF ADEQUATE: NONE SUBSTANDARD: NONE							
PROJECT: Upgrade airfield and heliport. (Current Mission)							
REQUIREMENT: This modernization project is required to maintain air traffic safety at Campbell Army Airfield (CAAF) and Sabre Army Heliport and to support the rapid deployment and combat effectiveness of the 101st Airborne Division (Air Assault) and other non-divisional units stationed on-post.							
CURRENT SITUATION: Both fixed and rotary-wing operations are conducted at the CAAF/Destiny Heliport (DH) co-located facilities. Rotary-wing operations are also conducted at Sabre Army Heliport 10 miles away. This distance, along							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Campbell, Kentucky		
4. PROJECT TITLE Airfield Improvements	5. PROJECT NUMBER 33345	
<p><u>CURRENT SITUATION:</u> (CONTINUED)</p> <p>with the volume of the combined air operations, prevents the control of both facilities from a single tower. Relocation of Sabre based aircraft to CAAF/DH would require extensive construction of additional hangar and apron facilities and the combined total of 216 helicopters would overwhelm the air traffic control operations of a single tower. CAAF was constructed in 1948 as a fixed-wing airfield and modified in 1972 by the construction of Destiny Heliport to accommodate rotary-wing aircraft. Air traffic has doubled at CAAF since 1984 but many support facilities have not been updated to meet this increased volume. Further, existing landing, parking, loading and fueling facilities have deteriorated so that major upgrades are required to meet current operational and air safety standards. Of major safety concern is the location of the lighting control panel for DH which is on the opposite side of the tower from the air traffic control station. This is a special concern because during night vision goggle (NVG) training exercises the controller loses observation of the in-bound aircraft whenever it is necessary to switch the lights on or off. Sabre Heliport's tower was originally constructed in 1976 and its location and 80-foot height have become a concern. Extensive construction, such as three maintenance hangars, and native vegetation growth since 1967 have obstructed the controller's view of parts of the airfield. Portions of the hot refueling area are also unable to be seen. As air operations continue to grow, so does the potential for safety risks. Presently air operations at Sabre are located in a converted house trailer. This facility is incapable of providing most of the basic services normally associated with a base operations facility.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, training and combat readiness posture of the division and non-divisional units will continue to be adversely affected. Both day-to-day training operations and the deployment capability of these units are impaired by lack of adequate flight operations, air traffic control, and fueling facilities. Night training operations cannot be conducted on the secondary runway, as it is not equipped with edge lighting.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Campbell, Kentucky

4. PROJECT TITLE Airfield Improvements	5. PROJECT NUMBER 33345
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12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
- (a) Design Start Date..... APR 1992
 - (b) Percent Complete As Of 01 January 93 (BDGT YR).. 35
 - (c) Percent Complete As Of 01 October 93 (PROG YR).. 100
 - (d) Design Complete Date..... SEP 1993

(2) Basis:

- (a) Standard or Definitive Design - (YES/NO) **N**
- (b) Where Design Was Most Recently Used

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

- (a) Production of Plans and Specifications..... 187
- (b) All Other Design Costs..... 113
- (c) Total Design Cost..... 300
- (d) Contract..... 225
- (e) In-house..... 75

(4) Construction Start..... APR 1994
month & year

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	1994	25
		TOTAL	<u>25</u>

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Fort Campbell Kentucky				4. PROJECT TITLE Mobilization Warehouse				
5. PROGRAM ELEMENT 22696A		6. CATEGORY CODE 442	7. PROJECT NUMBER 39057		8. PROJECT COST (\$000) Auth 850 Approp 850			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY								701
Warehouse Building					SF	14,000	50.00	(700)
Building Information Systems					LS	--	--	(1)
SUPPORTING FACILITIES								66
Electric Service					LS	--	--	(25)
Water, Sewer, Gas					LS	--	--	(10)
Paving, Walks, Curbs And Gutters					LS	--	--	(8)
Site Imp(15) Demo()					LS	--	--	(15)
Information Systems					LS	--	--	(8)
ESTIMATED CONTRACT COST								767
CONTINGENCY PERCENT (5.00%)								38
SUBTOTAL								805
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								48
TOTAL REQUEST								853
TOTAL REQUEST (ROUNDED)								850
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(1)
10. Description of Proposed Construction Construct a warehouse to store and process the 463L pallet systems and equipment. Personnel doors and a roll-up door are required. Supporting facilities include utilities; electric service; sanitary sewer; paving, walks, curbs and gutters; information systems; and site improvements. Heating will be provided by a gas-fired system. Access for the handicapped will be provided.								
11. REQUIREMENT: 14,000 SF ADEQUATE: NONE SUBSTANDARD: 10,000 SF								
PROJECT: Construct a warehouse for storage and processing 463L pallet systems. (Current Mission)								
REQUIREMENT: This project is required to provide a storage facility for pallet systems assigned to Fort Campbell as war reserve material. As authorized in Crisis Response Force and Contingency Force Time Phased Force Deployment Data (TPFDD) list, Fort Campbell has and will continue to have a requirement to store over 1,200 463L pallets. 463L pallets are designed to handle bulk and oversized non-vehicular equipment on Air Force aircraft and, as demonstrated during Operation Desert Storm, are essential to the 101st Division's contingency missions. In addition, portable scales, dunnage, and tool kits must be stored in a secure area for any contingency. This building								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Campbell, Kentucky		
4. PROJECT TITLE Mobilization Warehouse	5. PROJECT NUMBER 39057	
<p><u>REQUIREMENT:</u> (CONTINUED) must be of adequate size to permit inside loading and staging of at least three tractor trailer combinations utilizing 40 foot tractors.</p> <p><u>CURRENT SITUATION:</u> Equipment is currently housed in one half of an old hangar building adjacent to Campbell Army Airfield. This building has large roll-type doors that are off their tracks and must be opened with the use of a forklift. The building is bird infested, making working conditions inside the building unacceptable for health reasons. This building is scheduled for demolition and only a matter of time before it will be torn down.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, warehouse operations during deployment will be hampered by use of a building that is not designed for this function.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	AUG 1992	
(b) Percent Complete As Of 01 January 93 (BDGT YR)..	35	
(c) Percent Complete As Of 01 October 93 (PROG YR)..	100	
(d) Design Complete Date.....	SEP 1993	
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....	50	
(b) All Other Design Costs.....	50	
(c) Total Design Cost.....	100	
(d) Contract.....	75	
(e) In-house.....	25	
(4) Construction Start.....		
	MAR 1994	

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Campbell, Kentucky

4. PROJECT TITLE Mobilization Warehouse	5. PROJECT NUMBER 39057
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12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued) month & year

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	1994	1
		TOTAL	1

1. COMPONENT ARMY		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Fort Campbell Kentucky				4. PROJECT TITLE Whole Barracks Renewal				
5. PROGRAM ELEMENT 22696A		6. CATEGORY CODE 721		7. PROJECT NUMBER 40217		8. PROJECT COST (\$000) Auth 32,000 Approp 32,000		
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY								23,975
Enlisted Barracks					SF	103,680	94.00	(9,747)
Company Operations					SF	55,475	80.26	(4,453)
Battalion HQs w/Classroom					SF	54,150	96.00	(5,199)
Dining Facility					SF	14,116	172.98	(2,442)
Elevated Water Storage Tank 1 EA					LS	--	--	(1,216)
Total from Continuation page								(918)
SUPPORTING FACILITIES								4,790
Electric Service					LS	--	--	(703)
Water, Sewer, Gas					LS	--	--	(470)
Paving, Walks, Curbs And Gutters					LS	--	--	(1,681)
Storm Drainage					LS	--	--	(1,249)
Site Imp(479) Demo()					LS	--	--	(479)
Information Systems					LS	--	--	(208)
ESTIMATED CONTRACT COST								28,765
CONTINGENCY PERCENT (5.00%)								<u>1,438</u>
SUBTOTAL								30,203
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								<u>1,812</u>
TOTAL REQUEST								32,015
TOTAL REQUEST (ROUNDED)								32,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(69)
10. Description of Proposed Construction								
Construct a barracks complex. Project includes living/sleeping rooms with private bath, walk-in closets, dayroom and storage. Complex will include seven small, five medium, and one large company administration and supply buildings, five small battalion headquarters with classroom buildings, and one battalion size enlisted personnel dining facility. Work includes upgrade of electrical substation and construct an elevated water storage tank. Connect energy monitoring and control system (EMCS). Supporting facilities include utilities; electric service; fire protection and alarm systems; paving, walks, curbs and gutters; parking; access roads; storm drainage; information systems; and site improvements. Access for the handicapped will be provided in the administrative areas. Heating will be provided by gas-fired units and air conditioning (750 tons) by self-contained units.								
11. REQUIREMENT: 11,443 PN ADEQUATE: 2,456 PN SUBSTANDARD: 8,987 PN								
PROJECT: Construct a barracks complex to meet the Whole Barracks Renewal Program Standard. (Current Mission)								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Fort Campbell, Kentucky				
4. PROJECT TITLE Whole Barracks Renewal	5. PROJECT NUMBER 40217			
9. <u>COST ESTIMATES (CONTINUED)</u>				
<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit COST</u>	<u>Cost (\$000)</u>
<u>PRIMARY FACILITY (CONTINUED)</u>				
Substation	KV	15,000	48.14	(722)
EMCS Connection	LS	--	--	(93)
Building Information Systems	LS	--	--	(103)
Total				918
<u>REQUIREMENT:</u> This project is required to provide living/sleeping room with a private bath, walk-in closets, dayroom, and storage. Maximum utilization is 384 spaces. The intended utilization is 346 (E1-E4) spaces and 19 (E5-E6) spaces.				
<u>CURRENT SITUATION:</u> Soldiers are living in inadequate Korean-era barracks that do not provide the minimum net square footage required by current Army standards. The total number of unaccompanied enlisted personnel housing spaces required is 11,443 for Fort Campbell. Existing barracks provide only 2,456 spaces. Fort Campbell has no soldiers that are housed at the current standard barracks concept. Thirty-two of 40 battalions are in inadequate Korean-era barracks. These barracks have gang latrines, deteriorating heating and cooling systems, and undersized sewage drains that overflow into showers, hallways, and living quarters. These barracks do not have adequate security or adequate fire protection systems.				
<u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, single soldiers stationed at Fort Campbell will continue to live in barracks which lack authorized living space; properly functioning heating and cooling systems; adequately sized utilities; safety/security components; and other features that provide security, privacy, and comfort for soldiers according to current Army standards.				
<u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.				

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Campbell, Kentucky

4. PROJECT TITLE Whole Barracks Renewal	5. PROJECT NUMBER 40217
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12. SUPPLEMENTAL DATA:

- A. Estimated Design Data:
- (1) Status:
 - (a) Design Start Date..... AUG 1992
 - (b) Percent Complete As Of 01 January 93 (BDGT YR).. 35
 - (c) Percent Complete As Of 01 October 93 (PROG YR).. 100
 - (d) Design Complete Date..... SEP 1993

 - (2) Basis:
 - (a) Standard or Definitive Design - (YES/NO) **N**
 - (b) Where Design Was Most Recently Used

 - (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 1,550
 - (b) All Other Design Costs..... 930
 - (c) Total Design Cost..... 2,480
 - (d) Contract.....
 - (e) In-house..... 2,480

 - (4) Construction Start..... APR 1994
month & year

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	1994	69
		TOTAL	69

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Knox Kentucky			4. COMMAND US Army Training and Doctrine Command			5. AREA CONSTRUCTION COST INDEX 0.98	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		1012	8112	3674	642	4955	35
B. END FY 1999		995	6737	4347	562	6226	1
						53	188
						2383	21,054
						84	213
						2726	21,891
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		109,225 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		2,213,108					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		41,350					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		31,200					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0					
G. REMAINING DEFICIENCY.....		17,204					
H. GRAND TOTAL.....		2,302,862					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
721	3091	Whole Barracks Renewal		25,000	01/1992	12/1993	
218	6895	Maintenance Facility		12,200	11/1990	01/1994	
179	22332	Multipurpose Training Range		4,150	04/1992	06/1993	
TOTAL				41,350			
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
442		Consolidated Warehouse Facility		7,900			
179		Multipurpose Training Range		4,300			
721		Barracks		19,000			
TOTAL				31,200			
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Fort Knox houses the following: Headquarters Fort Knox, USA Armor School, 1st and 4th Training Brigades, USAARMC Headquarters Commandant/Commander of Troops, 12th Cavalry Regiment, 194th Armored Task Force, Fort Knox MEDDAC, Fort Knox DENTAC, 46th AG Battalion(Reception), US Army Research Institute, Armor Research and Development Activity, U.S. Army Second ROTC Region, U.S.							

1. COMPONENT ARMY		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Knox Kentucky				4. PROJECT TITLE Whole Barracks Renewal			
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 721		7. PROJECT NUMBER 3091		8. PROJECT COST (\$000) Auth 25,000 Approp 25,000	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY							20,622
Modernize Barracks (5 EA)				SF	240,000	70.20	(16,848)
Arms Storage Facility				SF	2,675	90.00	(241)
Dining Facility				SF	17,200	161.00	(2,769)
EMCS Connection				LS	--	--	(43)
Asbestos Removal				LS	--	--	(403)
Total from Continuation page							(318)
SUPPORTING FACILITIES							1,078
Electric Service				LS	--	--	(81)
Paving, Walks, Curbs And Gutters				LS	--	--	(607)
Storm Drainage				LS	--	--	(68)
Site Imp(195) Demo()				LS	--	--	(195)
Information Systems				LS	--	--	(127)
ESTIMATED CONTRACT COST							21,700
CONTINGENCY PERCENT (10.0%)							2,170
SUBTOTAL							23,870
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							1,432
TOTAL REQUEST							25,302
TOTAL REQUEST (ROUNDED)							25,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(4)
10. Description of Proposed Construction Modernize five barracks. Project includes living/sleeping rooms with private bath, walk-in closets, dayroom, laundry, and storage; interior utility upgrades; information systems; energy conservation measures; doors and windows; upgrade heating, ventilation, and air conditioning (HVAC) systems; exterior balconies; exterior insulated finish; and asbestos removal. Convert administrative space to living/sleeping space and convert existing dining hall to dayroom, laundry and mailroom space. Construct a standard-design dining facility and a separate consolidated arms storage building. Connect to the existing energy monitoring and control system (EMCS). Supporting facilities include parking (barracks and dining facilities), walks, storm drainage, recreational area, and site improvements. Air conditioning (586 tons) will be provided by a self-contained system.							
11. REQUIREMENT: 3,238 PN ADEQUATE: NONE SUBSTANDARD: 4,387 PN							
PROJECT: Modernize five barracks and a dining hall to meet the Whole Barracks Renewal Program Standard. (Current Mission)							
REQUIREMENT: This project is required to improve living quarters in five permanent party enlisted barracks constructed in the 1950s, upgrade living conditions, install energy conservation measures and provide needed							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Knox, Kentucky

4. PROJECT TITLE Whole Barracks Renewal	5. PROJECT NUMBER 3091
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9. COST ESTIMATES (CONTINUED)

<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit COST</u>	<u>Cost (\$000)</u>
PRIMARY FACILITY (CONTINUED)				
Picnic Shelters	EA	4	4,875	(20)
IDS Installation	LS	--	--	(10)
Building Information Systems	LS	--	--	(288)
			Total	318

REQUIREMENT: (CONTINUED)

conveniences. Current Army standards require barracks concept with individual room latrines. Locating administrative space and dining facilities in separate buildings from soldiers living area will be required. Upgrade of substandard conditions will contribute to the health, welfare, and morale of the service members. The maximum utilization is 840 persons.

CURRENT SITUATION: Single soldiers are housed in buildings constructed for basic trainees, with central latrines and temporary walls dividing open bay space into two-person room configurations. The current barracks provide spaces for 556 personnel. Rusted and deteriorated steel windows do not provide adequate seal and have inefficient single panes. Steel window frame seepage causes interior moisture damage. Interior electrical and lighting is insufficient for needs. Building exteriors are uninsulated painted concrete blocks. Site grading contributes to ponding and slow water drainage.

IMPACT IF NOT PROVIDED: If this project is not provided, soldiers will continue to be housed in substandard facilities. Improvements in keeping with the Army's Installations of Excellence Program will not be provided and will directly affect the soldiers' morale.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). This project is not affected by proposed troop reductions at Fort Knox and is required based on a validated shortage of adequate housing at Fort Knox. An economic analysis has been prepared and utilized in evaluating this project. This project is the first increment of a plan to modernize barracks at the installation. Modernization of all permanent party barracks is scheduled to be completed by 2004.

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Knox, Kentucky		
4. PROJECT TITLE Whole Barracks Renewal	5. PROJECT NUMBER 3091	
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	JAN 1992	
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..	35	
(c) Percent Complete As Of 01 October 93 (PROG YR) ..	100	
(d) Design Complete Date.....	DEC 1993	
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....	900	
(b) All Other Design Costs.....	540	
(c) Total Design Cost.....	1,440	
(d) Contract.....	1,080	
(e) In-house.....	360	
(4) Construction Start..... APR 1994 month & year		
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>
Info Sys - ISC	OPA	1994 4
		TOTAL 4

1. COMPONENT ARMY	FY 1994	MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION Fort Knox Kentucky	4. PROJECT TITLE Maintenance Facility
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5. PROGRAM ELEMENT 85796A	6. CATEGORY CODE 218	7. PROJECT NUMBER 6895	8. PROJECT COST (\$000) Auth 12,200 Approp 12,200
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9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY				
Vehicle Maintenance Shop	SF	67,164	100.37	9,659 (6,742)
Hardstand/Apron	SY	74,569	37.65	(2,808)
IDS Installation	LS	--	--	(20)
EMCS Connection	LS	--	--	(78)
Building Information Systems	LS	--	--	(11)
SUPPORTING FACILITIES				
Electric Service	LS	--	--	1,255 (263)
Water, Sewer, Gas	LS	--	--	(176)
Paving, Walks, Curbs, And Gutter	LS	--	--	(189)
Storm Drainage	LS	--	--	(40)
Site Imp(414) Demo(80)	LS	--	--	(494)
Information Systems	LS	--	--	(93)
ESTIMATED CONTRACT COST				10,914
CONTINGENCY PERCENT (5.00%)				546
SUBTOTAL				11,460
SUPERVISION, INSPECTION & OVERHEAD (6.00%)				688
TOTAL REQUEST				12,148
TOTAL REQUEST (ROUNDED)				12,200
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS				(44)

10. Description of Proposed Construction Construct a modified standard-design vehicle maintenance shop. Project includes hardstand for organizational vehicle parking, maintenance apron, open storage, and parking. Provide space for tracked and wheeled vehicle repair bays; paint booth; welding area; tool, tire, and battery rooms; machine shop; petroleum, oils, and lubricants (POL) separator; and administration area. Connect to energy monitoring and control system (EMCS). Install an intrusion detection system (IDS). Supporting facilities include extension and connection of utilities to existing base supply system; sanitary sewer; storm drainage; paving, walks, curbs and gutters; access road; fencing; parking; fire sprinkler and alarm systems; information systems; and site improvements. Heating will be provided by a self-contained gas-fired system. Air conditioning (10 tons) will be provided in administrative areas. Mechanical ventilation: 300,000 CFM. Demolish six buildings (20,271 SF) within the footprint of this project.

11. REQUIREMENT: 693,993 SF ADEQUATE: 209,039 SF SUBSTANDARD: 348,575 SF
PROJECT: Construct a modified standard-design vehicle maintenance shop.
(Current Mission)

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Knox, Kentucky		
4. PROJECT TITLE Maintenance Facility	5. PROJECT NUMBER 6895	
<p><u>REQUIREMENT:</u> This project is required to provide the 12th Cavalry Training Regiment (formerly the 2d Armor Training Brigade) with an adequate facility to consolidate its maintenance effort. This facility will enable more efficient maintenance operations to adequately support repair and maintenance of systems currently being utilized and introduced to the US Army Armor Center, including 169 tracked vehicles and 183 wheeled vehicles.</p> <p><u>CURRENT SITUATION:</u> Currently the brigade's maintenance mission is performed in 11 temporary buildings and in part of a single permanent structure. These buildings are scattered around the post and are inadequate due to poor lighting, ventilation, sanitary, and security provisions. Spare parts are stored in a temporary building one mile from the maintenance operations. The splitting of shop functions and the movement of vehicles between the various maintenance locations causes loss of productivity, disrupts installation traffic, increases the potential of an accident, and causes damage to the road surfaces. The width and length of the existing vehicle maintenance bays are insufficient to support the M1 tank. As a result, many M1 maintenance activities require the dedication of two bays to meet the task. This results in inefficient scheduling of already limited shop facilities. Other specific M1 tasks such as the removing of the armor skirting and removal of the power pack must be conducted outside and are adversely affected by the elements. These two factors combined have resulted in 37 percent of the maintenance being conducted after normal duty hours or outside the building. There are 16 unoccupied temporary wooden structures within the footprint of the proposed project. These are beyond their useful life-span and are not economical to maintain. They need to be demolished at the start of the construction. The 11 temporary shop buildings will also be demolished, but at the end of the project.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, maintenance operations for the 12th Cavalry Training Regiment will continue to be degraded. Maintenance operations will continue in inadequate facilities fragmented throughout post. Unacceptable maintenance backlogs will continue to exist and only worsen with time. Space limitations will continue to force maintenance outside and create more after duty maintenance operations to occur. Safety hazards and lost production time associated with movement of tanks and other heavy combat vehicles will continue.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that will meet operational requirements. Consequently, a full economic analysis was not</p>		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Knox, Kentucky

4. PROJECT TITLE Maintenance Facility	5. PROJECT NUMBER 6895
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ADDITIONAL: (CONTINUED)
performed.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date..... NOV 1990
 (b) Percent Complete As Of 01 January 93 (BDGT YR).. 35
 (c) Percent Complete As Of 01 October 93 (PROG YR).. 100
 (d) Design Complete Date..... JAN 1994

(2) Basis:

(a) Standard or Definitive Design - (YES/NO) **Y**
 (b) Where Design Was Most Recently Used
Fort Campbell

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

(a) Production of Plans and Specifications..... 42
 (b) All Other Design Costs..... 758
 (c) Total Design Cost..... 800
 (d) Contract..... 700
 (e) In-house..... 100

(4) Construction Start..... MAR 1994
month & year

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>
IDS Equipment	OPA	1994	22
Info Sys - ISC	OPA	1994	22
		TOTAL	<u>44</u>

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Fort Knox Kentucky				4. PROJECT TITLE Multipurpose Training Range			
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 179	7. PROJECT NUMBER 22332		8. PROJECT COST (\$000) Auth 4,150 Approp 4,150		
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY							3,428
Tank Trails & Roads				SY	47,808	20.34	(972)
AMTC Emplacements				EA	4	66,790	(267)
Sta. Armor Target Emplacement				EA	20	23,686	(474)
Personnel Sta Target Emplacement				EA	48	7,896	(379)
Defilade Positions				EA	6	24,663	(148)
Total from Continuation page							(1,188)
SUPPORTING FACILITIES							316
Site Imp(285) Demo(19)				LS	--	--	(304)
Information Systems				LS	--	--	(10)
Fuel Oil Storage				LS	--	--	(2)
ESTIMATED CONTRACT COST							3,744
CONTINGENCY PERCENT (5.00%)							187
SUBTOTAL							3,931
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							236
TOTAL REQUEST							4,167
TOTAL REQUEST (ROUNDED)							4,150
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(1,229)
10. Description of Proposed Construction							
<p>Modernize and upgrade Cedar Creek Tank Range to a Multi-Purpose Training Range (MPTR) with one lane (two firing trails). Primary facilities include all construction within the perimeter of the range complex and consist of 20 stationary and four armor moving targets, 64 stationary and 10 infantry moving targets, 64 infantry hostile fire simulators, eight defilade positions, control tower, general instruction building, renovate existing operations and storage building, latrine, ammunition breakdown building, bleacher enclosure, ammunition dock, covered mess, vehicular maintenance area, vehicular staging and parking area, electrical and data distribution systems, tank trails, target maintenance roads, limit markers, flagpole, storm drainage, fire protection and site improvements. Install an intrusion detection system (IDS). Heating and air conditioning (6 tons) for control tower and computer office (2 tons) will be provided by self-contained systems. Mechanical ventilation: 2,000 CFM. Supporting facilities include all construction outside the perimeter of the range complex and consist of upgrading the primary electrical service, security lighting and fencing, parking, access road, information systems, and site improvements. Cedar Creek Tank Range is located in a flood plain with an infrequent history of flooding. Demolish five buildings (2,614 SF) within the footprint of this project with</p>							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Knox, Kentucky

4. PROJECT TITLE Multipurpose Training Range	5. PROJECT NUMBER 22332
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9. COST ESTIMATES (CONTINUED)

<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit COST</u>	<u>Cost (\$000)</u>
<u>PRIMARY FACILITY (CONTINUED)</u>				
Primary & Secondary Electrical	LS	--	--	(503)
Data Distribution	LS	--	--	(271)
Limit Markers	EA	6	128.16	(1)
Control Building	SF	320	357.00	(114)
After Action Report Building	SF	800	68.75	(55)
Latrines	SF	196	178.90	(35)
Ammunition Dock	SF	1,800	27.22	(49)
Storm Drain	LS	--	--	(151)
Landscaping	LS	--	--	(2)
IDS Installation	LS	--	--	(6)
Building Information Systems	LS	--	--	(1)
			Total	1,188

DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)

asbestos removal. Dud clearance is required and will be performed by military labor with no additional cost. Targetry to be funded by Other Procurement, Army (OPA).

11. REQUIREMENT: 4 EA ADEQUATE: NONE SUBSTANDARD: NONE

PROJECT: Modernize and upgrade Cedar Creek Tank Range to a Multi-Purpose Training Range (MPTR). (Current Mission)

REQUIREMENT: This project is required to provide Active Army, Reserve, and National Guard units with a light/heavy armor range capable of supporting multiple realistic live-fire training scenarios, attack helicopter live-fire gunnery exercises using the established target array, and current standards of tank firing at the individual crew and section level. This project will integrate the infantry and armor target systems into a Remoted Target System (RETS) with the capability of training crews in tank firing through Tank Gunnery Evaluation Table X, Advanced Qualification Course. The net result would be the enhancement of crew skills prior to tank gunnery Table XII on the Multi-Purpose Range Complex-Heavy (MPRC-H) at the adjacent Yano Tank Range.

CURRENT SITUATION: There are no facilities at Fort Knox capable of supporting current and future light/heavy armor standard tank live-fire training requirements for the M1 series tank, M2/M3 Bradley Fighting Vehicle as required except the soon-to-be completed MPRC-H at Yano Tank Range. This includes portal firing of the Bradley Fighting Vehicle. Also, there are no training facilities for attack helicopter aerial gunnery training. The need is currently being met through modified and degraded tank and aerial gunnery standards of firing on existing tank ranges. The completion of this project is not adversely impacted by force reduction in the Army. This range will support

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Knox, Kentucky

4. PROJECT TITLE Multipurpose Training Range	5. PROJECT NUMBER 22332
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CURRENT SITUATION: (CONTINUED)
 Armor Crewman Noncommissioned Officer (NCO) Advanced Course (ANCOC), Basic NCO Course (BNCOC), Scout Commander Certification Course (SCCC), Tank Commander Certification Course (TCCC), Master Gunner Course (MGC), Armor Officer Advance Course (AOAC), Armor Officer Advance Course - Reserve Component (ACOC-RC), Third Class Combined Arms Training (TCCAT), Pre-Command Course (PCC), (Armor Crewman) and Marines One Station Unit Training (OSUT).

IMPACT IF NOT PROVIDED: If this project is not provided, the present critical lack of proficiency in combat arms techniques will continue in the high priority combat units of the Active Army, Army Reserve, and National Guard units training at Fort Knox. The continuing of degraded training standards will impair the assigned training for Armor Officer, NCO and crewman training within the Armor School, and the readiness training for active duty and reserve component deployable units. These various units will continue to train with little or no hope of attaining the degree of proficiency required for combat.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	<u>APR 1992</u>
(b) Percent Complete As Of 01 January 93 (BDGT YR)..	<u>60</u>
(c) Percent Complete As Of 01 October 93 (PROG YR)..	<u>100</u>
(d) Design Complete Date.....	<u>DEC 1993</u>

(2) Basis:

(a) Standard or Definitive Design - (YES/NO) N

(b) Where Design Was Most Recently Used

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

(a) Production of Plans and Specifications.....	<u>207</u>
(b) All Other Design Costs.....	<u>125</u>
(c) Total Design Cost.....	<u>332</u>
(d) Contract.....	<u>249</u>

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Knox, Kentucky

4. PROJECT TITLE Multipurpose Training Range	5. PROJECT NUMBER 22332
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12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

(e) In-house..... 83

(4) Construction Start..... MAY 1994
month & year

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>
2-Range Control Sta	OPA	1994	63
4-Arm Mov Tar Sys	OPA	1994	548
20-THMTG	OPA	1994	90
10-Inf Mov Tar Carr	OPA	1994	67
64-Inf Tar Mech	OPA	1994	90
64-Inf Hos Fire Sim	OPA	1994	175
24-Arm Tk Kill Sim	OPA	1994	26
74-Night Muz Fls Sim	OPA	1994	17
74-Target 3-D	OPA	1994	2
84-J Box Low O	OPA	1994	1
24-Tar Instr Unit	OPA	1994	41
Thermal Viewing Sys	OPA	1994	80
IDS Equipment	OPA	1994	28
Info Sys - ISC	OPA	1994	1
TOTAL			<u>1,229</u>

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION APPROPRIATION		PAGE
			REQUEST	REQUEST	
Maryland		Aberdeen Proving Ground (AMC)			115
	6792	Applied Instruction Facility	14,000	14,000	117
	17544	Target Assembly and Storage Facility	1,800	1,800	120
	29622	Upgrade Range Complex	4,450	4,450	124
		Subtotal For Aberdeen Proving Ground PART I	\$ 20,250	20,250	
		* TOTAL MCA FOR Maryland	\$ 20,250	20,250	

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Aberdeen Proving Ground Maryland			4. COMMAND US Army Materiel Command			5. AREA CONSTRUCTION COST INDEX 0.96	
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992	665	1960	8329	323	2576	39	282 197 3118 17,489
B. END FY 1999	472	1679	5791	285	2132	13	28 119 2934 13,453
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		72,518 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		1,967,373					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		20,250					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		11,400					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		119,600					
G. REMAINING DEFICIENCY.....		34,008					
H. GRAND TOTAL.....		2,152,631					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
171	6792	Applied Instruction Facility		14,000	09/1990	10/1993	
310	17544	Target Assembly and Storage Facility		1,800	08/1988	05/1993	
371	29622	Upgrade Range Complex		4,450	04/1992	08/1993	
				TOTAL	20,250		
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
317		Secure Computational Analysis Laboratory		11,400			
				TOTAL	11,400		
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY):							
216		Ammunition Demilitarization Fac Ph I		111,000			
216		Ammunition Demilitarization Support		8,600			
				TOTAL	119,600		
10. MISSION OR MAJOR FUNCTIONS:							
The Aberdeen Area of Aberdeen Proving Ground serves as the location of the installation headquarters. The focus of major missions undertaken at the installation include basic research, testing and evaluation of ordnance and							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Aberdeen Proving Ground Maryland										
<p>10. MISSION OR MAJOR FUNCTIONS: (...CONTINUED)</p> <p>equipment, and the training of military personnel in supply and maintenance of ordnance and equipment. The Edgewood Area of Aberdeen Proving Ground provides research and development in the chemical, biological, and radiological areas.</p>										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table data-bbox="228 632 1081 751"> <thead> <tr> <th></th> <th style="text-align: right;">(\$000)</th> </tr> </thead> <tbody> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </tbody> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Aberdeen Proving Ground Maryland				4. PROJECT TITLE Applied Instruction Facility			
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 171	7. PROJECT NUMBER 6792		8. PROJECT COST (\$000) Auth 14,000 Approp 14,000		
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY							11,335
Ground Support Equip. Bldg				SF	108,250	97.00	(10,500)
Hardstand Paving				SY	1,500	52.23	(78)
Street Realignment				LS	--	--	(659)
Building Information Systems				LS	--	--	(98)
SUPPORTING FACILITIES							1,202
Electric Service				LS	--	--	(79)
Water, Sewer, & Gas				LS	--	--	(76)
Paving, Walks, Curbs & Gutters				LS	--	--	(311)
Storm Drainage				LS	--	--	(270)
Site Imp(412) Demo()				LS	--	--	(412)
Information Systems				LS	--	--	(54)
ESTIMATED CONTRACT COST							12,537
CONTINGENCY PERCENT (5.00%)							627
SUBTOTAL							13,164
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							790
TOTAL REQUEST							13,954
TOTAL REQUEST (ROUNDED)							14,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(24)
10. Description of Proposed Construction							
Construct a general instruction training facility containing applied instruction shops and bays, training labs, secure hardstand training area, classrooms, administrative offices, instructors' preparation area, break area, lockers, tool and supply rooms, fire protection system, water recycle system, drainage with oil separation, hand and eye wash stations, variable lighting systems, vehicle exhaust systems, sound control and steam cleaning area. Supporting facilities include utilities, multi-phase electric service with grounding devices, fencing, fire protection and alarm systems, paving, walks, curbs and gutters, storm drainage, information systems, and site improvements. Heating and air conditioning (250 tons) will be provided by self-contained systems. Access for the handicapped will be provided in administration and classroom areas.							
11. REQUIREMENT: 1,730,912 SF ADEQUATE: 845,273 SF SUBSTANDARD: 48,281 SF							
PROJECT: Construct a general instruction facility with applied instructional shops and bays. (Current Mission)							
REQUIREMENT: This project is required to provide a consolidated training facility for basic and advanced courses on all quartermaster and chemical equipment. Sixty percent of the useable space in the facility is required for							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION

Aberdeen Proving Ground, Maryland

4. PROJECT TITLE Applied Instruction Facility	5. PROJECT NUMBER 6792
--	-------------------------------

REQUIREMENT: (CONTINUED)

shop bays and laboratories where hands-on training will be conducted. This project will support the average daily student load of 298 students and 61 instructors and staff personnel, requiring 11 classrooms at a total of 11,100 net square feet (13,403 Gross).

CURRENT SITUATION: Quartermaster and chemical equipment training is conducted in converted World War II company supply and shop buildings. Training is conducted for US Army Advanced Individual Training (AIT) students, Officer Basic and Advanced Courses, Warrant Officer Candidate and Warrant Officer Advanced courses, and all Non-Commissioned Officer (NCO) Professional Development courses. Lack of adequate space is the primary concern. The Erdlator (3,000 gallon per hour water purification unit) and the Reverse Osmosis Water Purification Unit (ROWPU) are both used for training and stored in the nearby fenced-in parking lot due to the lack of shop bay area. Inclement weather hampers training. The areas designated for training on the 400,000 BTU heaters, small engines, and smoke generators are overcrowded, creating safety hazards. Proper operational training and testing of smoke generators; chemical decontamination units; laundry and bath units; space heaters; and petroleum, oils and lubricants (POL) pump equipment is hindered by inadequate water supplies and drainage, environmental controls, and fire and safety provisions. This is due to proximity to the Aberdeen Proving Ground (APG) community center. Space constraints limit equipment in bays, causing much higher than optimum student-to-equipment ratios. Typical classrooms can hold only 19 students, compared with the average class size of 20 to 30 students for professional development courses. To alleviate overcrowding, office space has been converted to classrooms. When possible, double shifts are used to reduce class sizes, though there are no personnel authorizations to support the increased instructor requirements for double shift operations.

IMPACT IF NOT PROVIDED: If this project is not provided, training will continue to be conducted in two shifts, in overcrowded, substandard and marginally safe facilities. Technical training on new, larger equipment will add to the overcrowding, and expanding programs for the steam cleaner, new laundry and bath units, the M17 decontamination apparatus, the 1059 smoke generator system, and the field bakery unit will be constrained. Because the professional development courses for higher ranking students share the current facilities, expansion of the existing Basic Non-commissioned Officer Course (BNCOC) and the Advanced Non-Commissioned Officer Course (ANCOC) quartermaster/chemical training will slow substantially. Ultimately, it will have a severe impact and adversely affect the Nuclear, Biological and Chemical readiness posture within the force structure. Outdoor training of major end items of quartermaster/chemical equipment is not as effective during weather extremes. In the summer, temperature extremes cost these courses about 200 hours of programmed training time.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Aberdeen Proving Ground, Maryland		
4. PROJECT TITLE Applied Instruction Facility	5. PROJECT NUMBER 6792	
<p>ADDITIONAL: (CONTINUED) (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	<u>SEP 1990</u>	
(b) Percent Complete As Of 01 January 93 (BDGT YR)..	<u>35</u>	
(c) Percent Complete As Of 01 October 93 (PROG YR)..	<u>100</u>	
(d) Design Complete Date.....	<u>OCT 1993</u>	
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....	<u>700</u>	
(b) All Other Design Costs.....	<u>270</u>	
(c) Total Design Cost.....	<u>970</u>	
(d) Contract.....	<u>770</u>	
(e) In-house.....	<u>200</u>	
(4) Construction Start..... <u>JAN 1994</u>		
month & year		
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year Appropriated <u>Or Requested</u> Cost <u>(\$000)</u>
Info Sys - ISC	OPA	1994 24
		TOTAL 24

1. COMPONENT ARMY		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Aberdeen Proving Ground Maryland				4. PROJECT TITLE Target Assembly and Storage Facility				
5. PROGRAM ELEMENT 65601A		6. CATEGORY CODE 310		7. PROJECT NUMBER 17544		8. PROJECT COST (\$000) Auth 1,800 Approp 1,800		
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>								1,450
Target Assembly Building					SF	12,200	114.85	(1,401)
IDS Installation					LS	--	--	(7)
Building Information Systems					LS	--	--	(42)
<u>SUPPORTING FACILITIES</u>								189
Electric Service					LS	--	--	(56)
Water, Sewer, Gas					LS	--	--	(67)
Paving, Walks, Curbs, And Gutter					LS	--	--	(33)
Storm Drainage					LS	--	--	(7)
Site Imp(15) Demo()					LS	--	--	(15)
Information Systems					LS	--	--	(11)
ESTIMATED CONTRACT COST								1,639
CONTINGENCY PERCENT (5.00%)								82
SUBTOTAL								1,721
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								103
TOTAL REQUEST								1,824
TOTAL REQUEST (ROUNDED)								1,800
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(77)
10. Description of Proposed Construction								
Construct a compartmentalized secure target assembly and storage facility to include a machine shop, target assembly, fabrication and welding area, mechanical equipment room, fire protection system, and support areas with storage and administrative spaces. Provide frequent air changes and high efficiency particulate air filtration for machine shop and assembly, fabrication and welding area. Install an intrusion detection system (IDS). Supporting facilities include utilities, electric service, exterior lighting, loading dock, water storage tank, security fencing with entry control points, roads, paving, fuel storage, storm drainage, information systems, and site improvements. Access for the handicapped will be provided. Heating will be provided by a self-contained oil-fired unit. Air conditioning: 60 tons.								
11. REQUIREMENT: 12,200 SF ADEQUATE: NONE SUBSTANDARD: 9,793 SF								
PROJECT: Construct a compartmentalized secure target assembly and storage facility. (Current Mission)								
REQUIREMENT: This project is urgently required to provide adequate, secure, safe facilities for the fabrication, assembly, and storage of classified advanced armored targets. Materiel utilized in targets requires special								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Aberdeen Proving Ground, Maryland		
4. PROJECT TITLE Target Assembly and Storage Facility	5. PROJECT NUMBER 17544	
<p><u>REQUIREMENT:</u> (CONTINUED)</p> <p>precautions, procedures and support equipment during machining, fabrication and assembly to meet safety and environmental requirements. Targets, materials, and technique are classified and require secure facilities. Assembly and storage facility must be close to a firing range for test purposes and must provide for safe and secure storage, evaluation and assessment of targets after tests. Rapid advances in armor technology make this facility a continued necessity.</p> <p><u>CURRENT SITUATION:</u> Existing target assembly facilities are housed in four separate buildings. Two prefabricated buildings are used for normal duty hour component assembly. An earthen bunker provides temporary visual shielding of completed target assemblies and a small block building, which has been upgraded, is intended for overnight storage of special access (SAP) targets. The advent of depleted uranium armor for Army combat vehicles has expanded the Armored Systems Modernization (ASM) Plan testing efforts to include integration of the depleted uranium with other technologies such as glass and ceramics. The two prefabricated buildings and the bunker cannot be used for this purpose because of safety and environmental protection considerations. This leaves the small block building as the only facility in which these activities can take place. The small size of this building prohibits the meeting of ASM milestones. For instance, the area is not large enough to accept a full M1 turret nor the frontal armor sections of the new Block III tank. In addition, since all targets are fired at with rounds made of depleted uranium, they become contaminated and must be returned to this one undersized building for disassembly and analysis. Attempting to accomplish all these activities simultaneously in the space-restricted block building poses undue health, safety, environmental, and scheduling problems. Further, lack of storage and the need to transport the other test materials between various buildings risks exposure of classified material. On several occasions, operations had to be stopped to correct Class 2 environmental violations. The facility was shutdown between 13-19 November 1991 in order to decontaminate the walls, floors, and other surfaces of the block building to acceptable levels for the personnel. From 5-8 May 1991, operations were curtailed while personnel decontaminated and contained surface soil. Both of these incidents could have been avoided in a facility which can properly isolate these activities and by having appropriate ventilation and filtration. None of these four buildings can be effectively modified to meet these requirements.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, ASM program milestones for armor development cannot be met. The Ballistic Research Laboratory (BRL) is the only government organization cleared to conduct "need-to-know" only R&D on depleted uranium armor. All M1A1 heavy armor technologies were developed at the BRL under minimum health, safety, and environmental requirements. These scattered facilities continue to be shut down as additional health, safety, and environmental issues surface and remain shut down until corrective action is taken. The BRL's R&D efforts for the ASM</p>		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Aberdeen Proving Ground, Maryland

4. PROJECT TITLE Target Assembly and Storage Facility	5. PROJECT NUMBER 17544
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IMPACT IF NOT PROVIDED: (CONTINUED)
 Plan require the consolidation of scattered facilities operating within a well-designed, integrated facility.
ADDITIONAL: This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
 - (a) Design Start Date..... AUG 1988
 - (b) Percent Complete As Of 01 January 93 (BDGT YR).. 35
 - (c) Percent Complete As Of 01 October 93 (PROG YR).. 100
 - (d) Design Complete Date..... MAY 1993

- (2) Basis:
 - (a) Standard or Definitive Design - (YES/NO) N
 - (b) Where Design Was Most Recently Used

- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 90
 - (b) All Other Design Costs..... 55
 - (c) Total Design Cost..... 145
 - (d) Contract..... 100
 - (e) In-house..... 45

- (4) Construction Start..... DEC 1993
month & year

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993																								
3. INSTALLATION AND LOCATION Aberdeen Proving Ground, Maryland																										
4. PROJECT TITLE Target Assembly and Storage Facility	5. PROJECT NUMBER 17544																									
<p>12. <u>SUPPLEMENTAL DATA:</u> (CONTINUED)</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table border="1"> <thead> <tr> <th data-bbox="282 617 508 674"><u>Equipment Nomenclature</u></th> <th data-bbox="783 617 992 674"><u>Procuring Appropriation</u></th> <th data-bbox="1174 585 1372 674"><u>Fiscal Year Appropriated Or Requested</u></th> <th data-bbox="1410 617 1509 674"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td data-bbox="282 709 492 737">IDS Equipment</td> <td data-bbox="816 709 898 737">RDT&E</td> <td data-bbox="1191 709 1257 737">1995</td> <td data-bbox="1476 709 1509 737">14</td> </tr> <tr> <td data-bbox="282 741 442 768">User Equip</td> <td data-bbox="816 741 898 768">RDT&E</td> <td data-bbox="1191 741 1257 768">1995</td> <td data-bbox="1476 741 1509 768">12</td> </tr> <tr> <td data-bbox="282 772 508 800">Info Sys - ISC</td> <td data-bbox="816 772 865 800">OPA</td> <td data-bbox="1191 772 1257 800">1995</td> <td data-bbox="1493 772 1509 800">9</td> </tr> <tr> <td data-bbox="282 804 522 831">Info Sys - PROP</td> <td data-bbox="816 804 865 831">OPA</td> <td data-bbox="1191 804 1257 831">1995</td> <td data-bbox="1476 804 1509 831">42</td> </tr> <tr> <td colspan="3" data-bbox="1207 867 1290 894">TOTAL</td> <td data-bbox="1476 867 1509 894"><u>77</u></td> </tr> </tbody> </table>			<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>	IDS Equipment	RDT&E	1995	14	User Equip	RDT&E	1995	12	Info Sys - ISC	OPA	1995	9	Info Sys - PROP	OPA	1995	42	TOTAL			<u>77</u>
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>																							
IDS Equipment	RDT&E	1995	14																							
User Equip	RDT&E	1995	12																							
Info Sys - ISC	OPA	1995	9																							
Info Sys - PROP	OPA	1995	42																							
TOTAL			<u>77</u>																							

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Aberdeen Proving Ground Maryland			4. PROJECT TITLE Upgrade Range Complex		
5. PROGRAM ELEMENT 65601A	6. CATEGORY CODE 371	7. PROJECT NUMBER 29622	8. PROJECT COST (\$000) Auth 4,450 Approp 4,450		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY					3,492
Range Complex		LS	--	--	(3,335)
IDS Installation		LS	--	--	(55)
Building Information Systems		LS	--	--	(102)
SUPPORTING FACILITIES					509
Electric Service		LS	--	--	(268)
Site Imp() Demo(5)		LS	--	--	(5)
Information Systems		LS	--	--	(236)
ESTIMATED CONTRACT COST					4,001
CONTINGENCY PERCENT (5.00%)					200
SUBTOTAL					4,201
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					252
TOTAL REQUEST					4,453
TOTAL REQUEST (ROUNDED)					4,450
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(1,396)
10. Description of Proposed Construction Modernize a live-fire vulnerability range complex. Primary facilities include all construction within the perimeter of the range complex and consist of a secure, sheltered range support building, uploaded vehicle storage building, two ammunition storage igloos, fire suppression deluge system, all-weather range access roads, paving, storm drainage, parking, environmental pads to contain fuel and lubricant spills, security fencing and lighting, and site improvements including dud clearance. Features include upgrading seven existing test positions; installing an intrusion detection system (IDS); providing a range support building with an overhead crane; protecting parking areas from test blast and fragmentation; providing an alarmed arms storage room, tool storage, security surveillance area, and break and latrine facilities. Heating will be provided by an oil-fired self-contained system. Air conditioning (25 tons) will be provided by a self-contained unit. Supporting facilities include facilities outside the range complex perimeter and consist of electric service, information systems, and site improvements. Demolish one building (1,080 SF) within the footprint. Targetry will be funded by Research, Development, Testing and Evaluation (RDT&E).					

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Aberdeen Proving Ground, Maryland		
4. PROJECT TITLE Upgrade Range Complex	5. PROJECT NUMBER 29622	
<p>11. <u>REQUIREMENT:</u> 1 EA ADEQUATE: NONE SUBSTANDARD: 1 EA <u>PROJECT:</u> Modernize a live-fire vulnerability range complex. (Current Mission) <u>REQUIREMENT:</u> This project is required to support live-fire vulnerability and survivability testing and evaluation of major combat systems and related components prior to full production as mandated by Public Law 99-661. Previous vulnerability testing on combat vehicles evaluated only the ability of the armor to meet specifications. Live-fire testing provides critical data by subjecting weapons systems to realistic enemy threats. Testing evaluates battlefield survivability and considers all issues such as crew casualties, fire, ballistic shock, and battlefield damage repair. These issues affect every aspect of system vulnerability including fire control, armor integrity, mobility, logistics supportability, and maintenance. Additionally, the changes in the design of combat systems resulting from live-fire testing must be re-tested. Consequently, range improvements are required to permit such testing to be conducted properly, in an efficient, environmentally acceptable and timely manner, while minimizing post-test losses (e.g., from fire or secondary explosions) to costly items under test.</p> <p><u>CURRENT SITUATION:</u> Live fire vulnerability and survivability testing has been conducted at Aberdeen Proving Ground since 1987 as a result of the Congressional mandate. The initial program to undergo this testing was the M2 Bradley Fighting Vehicle. Currently testing is being conducted on the Paladin, HOMS, and M830E. Scheduled tests include the M1A2, Search and Destroy Armor Munition (SADARM), and Armored Gun Systems. The Poverty Island range complex consists of seven separate test positions connected by gravel roadways. Electrical service is inadequate throughout the complex, and portable generators and lighting are routinely used to support test programs. Instrumentation, storage, and office support functions are housed in makeshift shacks and mobile trailers and are shielded from blast and fragmentation by makeshift shielding. Ammunition and small arms are stored at remote sites and must be kept temporarily in a holding box monitored by a security guard. Fire suppression systems exist at only two of the seven test positions and consist of water storage tanks supplied by truck. Lack of facilities do not allow full time security surveillance or control to be maintained within the complex.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the Army will not be able to keep pace with the live-fire vulnerability and survivability test workload mandated by Congress nor provide the broad spectrum of complex tests required to support the expanding test mission. Delays in testing and inability to obtain certain test data or to extinguish test fires will have adverse impacts on systems milestones or result in the loss of millions of dollars of test assets. Additionally, live-fire vulnerability results will not be available to support strategies to ensure battlefield sustainability.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design</p>		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Aberdeen Proving Ground, Maryland

4. PROJECT TITLE Upgrade Range Complex	5. PROJECT NUMBER 29622
--	-----------------------------------

ADDITIONAL: (CONTINUED)
 criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
- (a) Design Start Date..... APR 1992
 - (b) Percent Complete As Of 01 January 93 (BDGT YR).. 35
 - (c) Percent Complete As Of 01 October 93 (PROG YR).. 100
 - (d) Design Complete Date..... AUG 1993

(2) Basis:

- (a) Standard or Definitive Design - (YES/NO) **N**
- (b) Where Design Was Most Recently Used

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

- (a) Production of Plans and Specifications..... 216
- (b) All Other Design Costs..... 664
- (c) Total Design Cost..... 880
- (d) Contract..... 361
- (e) In-house..... 519

(4) Construction Start..... JUN 1994
month & year

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>
IDS Equipment	OPA	1994	122
Ballistic	RDT&E	1994	900
Cmd & Cntr	RDT&E	1994	262
Cabling	RDT&E	1994	20
Info Sys - ISC	OPA	1994	92
TOTAL			<u>1,396</u>

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION APPROPRIATION		PAGE
			REQUEST	REQUEST	
Missouri		Fort Leonard Wood (TRADOC)			129
	13576	Operations Facility	1,000	1,000	131
		Subtotal For Fort Leonard Wood PART I	\$ 1,000	1,000	
		* TOTAL MCA FOR Missouri	\$ 1,000	1,000	

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Leonard Wood Missouri			4. COMMAND US Army Training and Doctrine Command			5. AREA CONSTRUCTION COST INDEX 0.96	
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		733	4967	2150	541	9298	98
B. END FY 1999		597	3800	2134	402	9063	0
							TOTAL
							20,657
							18,825
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....	62,911 AC						
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	1,458,388						
C. AUTHORIZATION NOT YET IN INVENTORY.....	0						
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	1,000						
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	23,550						
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0						
G. REMAINING DEFICIENCY.....	25,000						
H. GRAND TOTAL.....	1,507,938						
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
141	13576	Operations Facility		1,000	03/1992	09/1993	
				TOTAL	1,000		
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
826		Air Condition Barracks		9,100			
179		Military Operations in Urbanized Terrain		9,800			
216		Ammunition Operations Facility		1,600			
179		Engineer Qualification Range		3,050			
				TOTAL	23,550		
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Provides support and facilities for a US Army Training Center, US Army Engineer 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 satellited activities and units.							

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Fort Leonard Wood Missouri				4. PROJECT TITLE Operations Facility				
5. PROGRAM ELEMENT 91520A		6. CATEGORY CODE 141	7. PROJECT NUMBER 13576		8. PROJECT COST (\$000) Auth 1,000 Approp 1,000			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>								725
CIDC Building					SF	6,403	103.96	(666)
IDS Installation					LS	--	--	(1)
Building Information Systems					LS	--	--	(58)
<u>SUPPORTING FACILITIES</u>								177
Electric Service					LS	--	--	(48)
Water, Sewer, Gas					LS	--	--	(7)
Paving, Walks, Curbs And Gutters					LS	--	--	(50)
Storm Drainage					LS	--	--	(5)
Site Imp(50) Demo()					LS	--	--	(50)
Information Systems					LS	--	--	(17)
ESTIMATED CONTRACT COST								902
CONTINGENCY PERCENT (5.00%)								45
SUBTOTAL								947
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								57
TOTAL REQUEST								1,004
TOTAL REQUEST (ROUNDED)								1,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(50)
10. Description of Proposed Construction Construct a modified standard-design Criminal Investigations Division Command (CIDC) field operations building. Work includes administrative space; a polygraph suite; secured evidence repository; suspect isolation areas; duty agent suite; observation and interview areas; photo identification and fingerprint room; issue supply area; property and supply storage; and maintenance areas. Install an intrusion detection system (IDS). Supporting facilities include utilities; electric service; exterior lighting; sprinkler, fire protection and alarm systems; paving, walks, curbs and gutters; fencing; storm drainage; storm sewer outfall line; information systems; and site improvements. Access for the handicapped will be provided. Heating and air conditioning (10 tons) will be provided by self-contained systems.								
11. REQUIREMENT: 6,403 SF ADEQUATE: NONE SUBSTANDARD: 12,604 SF								
PROJECT: Construct a modified standard-design CIDC specialized field operations building. (Current Mission)								
REQUIREMENT: This project is required to provide adequate operating facilities, under one roof, for the 11 personnel in a field office of the US Army Criminal Investigation Command. This organization requires a facility								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Leonard Wood, Missouri

4. PROJECT TITLE Operations Facility	5. PROJECT NUMBER 13576
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REQUIREMENT: (CONTINUED)

with special purpose space, such as a polygraph room and an evidence depository, to perform its mission. No facilities on or off the installation can properly satisfy the requirement, and the currently-used buildings need to be scheduled for demolition.

CURRENT SITUATION: The Fort Leonard Wood Resident Agency, US Army CIDC (USACIDC), a separate tenant activity, currently occupies two semi-permanent mobilization-type buildings and an 800 SF ammunition bunker. The facilities are in advanced deterioration, and operation and maintenance are costly. The lack of adequate, suitable space for a polygraph suite, evidence room, and interview and observation areas required for CIDC operations has an increasingly detrimental impact on the criminal investigations mission. During the winter, the building is cold and drafty, and the water pipes are subject to freezing. The electrical wiring needs total replacement.

IMPACT IF NOT PROVIDED: If this project is not provided, the two buildings housing CIDC will continue to deteriorate. Investigations will not be completed in a timely manner. Agents will be required to spend extra time insuring proper separation of victims, witnesses, and suspects. The probability of potential witnesses being identified will continue and will increase the likelihood that vital information will be withheld because confidentiality cannot be assured. Operational efficiency will continue to suffer because major activities are located where space permits rather than where functional responsibilities direct. Extra time will be necessary to eliminate environmental factors on polygraph results. Present conditions will continue to create poor morale, decrease productivity, and hamper the criminal investigative mission.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

- (a) Design Start Date..... MAR 1992
- (b) Percent Complete As Of 01 January 93 (BDGT YR).. 35
- (c) Percent Complete As Of 01 October 93 (PROG YR).. 100
- (d) Design Complete Date..... SEP 1993

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Leonard Wood, Missouri		
4. PROJECT TITLE Operations Facility	5. PROJECT NUMBER 13576	
12. SUPPLEMENTAL DATA: (Continued)		
A. Estimated Design Data: (Continued)		
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):		
	(\$000)	
(a) Production of Plans and Specifications.....	50	
(b) All Other Design Costs.....	30	
(c) Total Design Cost.....	80	
(d) Contract.....	60	
(e) In-house.....	20	
(4) Construction Start.....		
	JAN 1994	
	month & year	
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>
IDS Equipment	OPA	1993 39
Info Sys - ISC	OPA	1994 11
		TOTAL 50

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	PAGE
	NUMBER	PROJECT TITLE	REQUEST	REQUEST	
Nevada	40708	Hawthorne Army Ammunition Plant (AMC) Container Holding Pads	7,000	7,000	137 139
		Subtotal For Hawthorne Army Ammunition Plant PART I	\$ 7,000	7,000	
		* TOTAL MCA FOR Nevada	\$ 7,000	7,000	

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Hawthorne Army Ammunition Plant Nevada			4. COMMAND US Army Materiel Command			5. AREA CONSTRUCTION COST INDEX 1.17	
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		3	0	32	0	0	0
B. END FY 1999		3	0	48	0	0	0
					1	3	766
					1	3	768
							805
							823
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		144,831 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		1,907,909					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		7,000					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		0					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0					
G. REMAINING DEFICIENCY.....		3,404					
H. GRAND TOTAL.....		1,918,313					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
425	40708	Container Holding Pads		7,000	10/1992	12/1993	
				TOTAL	7,000		
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:		NONE					
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY):		NONE					
10. MISSION OR MAJOR FUNCTIONS:							
To receive, issue, store, renovate, inspect, test, demilitarize and dispose of single manager and non-single manager conventional ammunition. To maintain capability to load, assemble, and pack ammunition items. To produce selected ammunition items as assigned. To maintain the capability to accommodate the receipt and shipment of containerized cargo.							
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. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Hawthorne Army Ammunition Plant Nevada				4. PROJECT TITLE Container Holding Pads				
5. PROGRAM ELEMENT 72896A		6. CATEGORY CODE 425	7. PROJECT NUMBER 40708		8. PROJECT COST (\$000) Auth 7,000 Approp 7,000			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY								4,408
Conc. Loading/Unloading Pad (3)					SY	16,668	43.38	(723)
Support Building (3)					SF	5,397	71.25	(385)
Block & Brace Shop (3)					SF	4,500	67.87	(305)
Covered Loading Dock (3)					SF	2,880	50.00	(144)
Covered Lumber Storage (3)					SF	4,500	39.40	(177)
Total from Continuation page								(2,674)
SUPPORTING FACILITIES								1,920
Electric Service					LS	--	--	(233)
Water, Sewer, Gas					LS	--	--	(323)
Paving, Walks, Curbs And Gutters					LS	--	--	(729)
Storm Drainage					LS	--	--	(113)
Site Imp(456) Demo()					LS	--	--	(456)
Information Systems					LS	--	--	(66)
ESTIMATED CONTRACT COST								6,328
CONTINGENCY PERCENT (5.00%)								316
SUBTOTAL								6,644
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								399
TOTAL REQUEST								7,043
TOTAL REQUEST (ROUNDED)								7,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(0)
10. Description of Proposed Construction Construct three ammunition containerization sites. Each facility will provide a loading/unloading pad with road and rail access, pad lighting for 24-hour operations, two container storage areas, and a combined administrative and block and bracing shop facility. Supporting facilities include utilities; electric service; fire and lightning protection, and alarm systems; two rail siding spurs for each facility; paving, access roads, and parking; latrine facilities with septic fields; security fencing and lighting; information systems; and site improvements. Heating will be provided by self-contained oil-fired system. Supporting facility costs are high due to the remote location.								
11. REQUIREMENT: 16,668 SY ADEQUATE: NONE SUBSTANDARD: NONE PROJECT: Construct three facilities for packing, handling and shipping ammunition Military-Owned Demountable Containers (MILVAN). (Current Mission) REQUIREMENT: This project is required to provide an adequate capability to receive, handle, load/unload, and ship very large quantities of munitions in MILVAN containers in a safe, efficient, and timely manner. Weights of loaded containers and the heavy-duty material handling equipment required to move, load/unload such bulky items mandate a reinforced pavement to ensure all-								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Hawthorne Army Ammunition Plant, Nevada

4. PROJECT TITLE Container Holding Pads	5. PROJECT NUMBER 40708
---	-----------------------------------

9. COST ESTIMATES (CONTINUED)

<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit COST</u>	<u>Cost (\$000)</u>
PRIMARY FACILITY (CONTINUED)				
Rail Spur/R.R. Tracks (3)	LF	13,320	125.37	(1,670)
Lightning Protection	EA	96	3,397	(326)
Exterior/Security Lighting	EA	210	3,195	(671)
Building Information Systems	LS	--	--	(7)
			Total	2,674

REQUIREMENT: (CONTINUED)

weather sustained operations. Wide dispersal of ammunition stocks among 2,200 igloos over 105,000 acres, and quantity-distance explosive safety limitations, mandate three separated sites to constrain haul distances and limit explosive quantities at any single site. Extensive munitions quantities involved and limitations of the regional transportation net require both rail and road access from each site.

CURRENT SITUATION: Hawthorne Army Ammunition Plant (AAP) does not have an established facility for loading, handling, shipping or receiving ammunition stocks in MILVAN containers. The storage and shipping operations, which have been stressed with the recent consolidation of ammunition stocks from other depots and the retrograde from Desert Storm, involve a constant stream of heavy trucks loaded with munitions items, a fleet of small forklifts transferring pallets of munitions to or from MILVAN containers, and large heavy-duty forklifts shifting loaded (25-tons) and unloaded MILVANS between holding areas, loading positions, and shipping locations. All of these in operation quickly destroy any unprepared or lightly-paved surface and generate clouds of dust. Temporary unprepared holding areas have been utilized near existing loading docks and at various isolated areas in order to store MILVANS. These sites have no lighting for 24-hour operations, no prepared or stabilized surface, lack security measures, and provide no lightning or fire protection. These conditions require additional care, safety precautions and efforts that impede activities and prohibit timely and efficient operations. All necessary material handling equipment to support these three facilities is on hand and available for use.

IMPACT IF NOT PROVIDED: If this project is not provided, the capability of this major ammunition storage site to rapidly load and ship MILVAN containers with required ammunition quantities will continue to be significantly impaired. Delays to shipments of containerized munitions will curtail abilities to provide timely and adequate support to rapid deployment elements. The quick reaction time that allowed the major allied logistics buildup during Desert Shield is widely credited as having critical impact on the outcome of Desert Storm, so that it is unlikely we will be allowed as much time to move required munitions stocks in any future confrontation.

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Hawthorne Army Ammunition Plant, Nevada		
4. PROJECT TITLE Container Holding Pads	5. PROJECT NUMBER 40708	
<p>ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that will meet operational requirements. Consequently, a full economic analysis was not performed.</p>		
12. <u>SUPPLEMENTAL DATA:</u>		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	<u>OCT 1992</u>	
(b) Percent Complete As Of 01 January 93 (BDGT YR)..	<u>35</u>	
(c) Percent Complete As of 01 October 93 (PROG YR)..	<u>85</u>	
(d) Design Complete Date.....	<u>DEC 1993</u>	
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....	<u>290</u>	
(b) All Other Design Costs.....	<u>155</u>	
(c) Total Design Cost.....	<u>445</u>	
(d) Contract.....	<u>320</u>	
(e) In-house.....	<u>125</u>	
(4) Construction Start..... <u>JUN 1994</u> month & year		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION

Hawthorne Army Ammunition Plant, Nevada

4. PROJECT TITLE

Container Holding Pads

5. PROJECT NUMBER

40708

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		

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	PAGE
NUMBER	PROJECT TITLE		REQUEST	REQUEST	
New Jersey		Fort Monmouth (AMC)			145
2836	Satellite Control System Addition		7,500	7,500	147
	Subtotal For Fort Monmouth PART I		\$ 7,500	7,500	
	* TOTAL MCA FOR New Jersey		\$ 7,500	7,500	

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM			2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Monmouth New Jersey			4. COMMAND US Army Materiel 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 SEP 1992	647	1471	7731	99	343	35 33 21 161 10,541
B. END FY 1999	465	1176	4734	102	336	0 92 28 1202 8,135
7. INVENTORY DATA (\$000)						
A. TOTAL ACREAGE.....		637 AC				
B. INVENTORY TOTAL AS OF 30 SEP 1992.....						402,298
C. AUTHORIZATION NOT YET IN INVENTORY.....						0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....						7,500
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....						0
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....						0
G. REMAINING DEFICIENCY.....						2,700
H. GRAND TOTAL.....						412,498
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:						
CATEGORY PROJECT				COST	DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE
317	2836	Satellite Control System Addition		7,500	09/1985	10/1993
				TOTAL	7,500	
9. FUTURE PROJECTS:						
CATEGORY				COST		
CODE	PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:		NONE				
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY):		NONE				
10. MISSION OR MAJOR FUNCTIONS:						
Provides support and facilities for US Army Communications Electronics Command and its tenants.						
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. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Monmouth New Jersey				4. PROJECT TITLE Satellite Control System Addition		
5. PROGRAM ELEMENT 72896A		6. CATEGORY CODE 317	7. PROJECT NUMBER 2836		8. PROJECT COST (\$000) Auth 7,500 Approp 7,500	
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	COST (\$000)
PRIMARY FACILITY						6,273
Satellite Control Sys Test Fac				SF	22,096	269.77 (5,961)
IDS Installation				LS	--	-- (102)
Special Pile Foundation				LS	--	-- (93)
Building Information Systems				LS	--	-- (117)
SUPPORTING FACILITIES						469
Electric Service				LS	--	-- (336)
Water, Sewer, Gas				LS	--	-- (47)
Paving, Walks, Curbs, And Gutter				LS	--	-- (47)
Storm Drainage				LS	--	-- (8)
Site Imp(11) Demo()				LS	--	-- (11)
Information Systems				LS	--	-- (20)
ESTIMATED CONTRACT COST						6,742
CONTINGENCY PERCENT (5.00%)						337
SUBTOTAL						7,079
SUPERVISION, INSPECTION & OVERHEAD (6.00%)						425
TOTAL REQUEST						7,504
TOTAL REQUEST (ROUNDED)						7,500
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS						(171)
10. Description of Proposed Construction Construct an addition to the Satellite Control System Test Facility, with space for test and control equipment, operations, engineering, and technician training. Project includes elevator, fire protection, alarm and security systems. Provide equipment, raised floor and air conditioning. Special pile foundation is required. Install an intrusion detection system (IDS). Supporting facilities include utilities; electric service; fire protection and alarm systems; paving, walks, curbs and gutters; storm drainage; fencing; information systems; and site improvements. Heating (gas-fired) and air conditioning (200 tons) will be provided by self-contained units. Access for the handicapped will be provided. Addition will be located in a flood plain, but must be adjacent to existing equipment and antennas; mitigating measures include construction of ground floor above the 100-year flood plain.						
11. REQUIREMENT: 29,296 SF ADEQUATE: 7,200 SF SUBSTANDARD: NONE PROJECT: Construct an addition to the Satellite Control System Test Facility. (Current Mission)						

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Monmouth, New Jersey

4. PROJECT TITLE Satellite Control System Addition	5. PROJECT NUMBER 2836
--	----------------------------------

REQUIREMENT: This project is required to provide an appropriately positioned, environmentally controlled, electromagnetically shielded facility for development, testing, evaluation, and simulation of satellite communications devices supporting the Communications Electronics Command (CECOM), Army Materiel Command (AMC), and training of Defense Information Systems Agency (DISA) support personnel charged with development, operations, and maintenance of the satellite communication systems. The facility is required to be adjacent to the existing satellite transmission and reception antennas and equipment due to limits in the current transmission cabling technology.

CURRENT SITUATION: The existing Satellite Control System Test Facility is a temporary and relocatable structure that is too small to accommodate the equipment, operations, and personnel necessary for the mission. Army regulations allow use of relocatable facilities only if and while Military Construction (MILCON) funding is being sought. Millions of dollars of high-tech, state-of-the-art satellite control equipment is housed in a relatively unsecure building. Further, this temporary facility was provided as an emergency in 1989 and is only sized to house the basic control equipment. As a result, specialized equipment items are shuttled in and out of the facility as necessary to support immediate priority operations or training with frequent and costly delays while equipment is switched, moved, or recalibrated. Additional space for support personnel, spare part storage, control systems computer tape storage, and common usage instructional areas does not exist.

IMPACT IF NOT PROVIDED: If this project is not provided, lack of an integrated, comprehensive testing and simulation facility will result in the fielding and use of untested satellite control devices and software against orbiting satellites, with the associated risk that an undiscovered hardware or software flaw could cause significant, possibly even irreparable damage to a valuable satellite. Potential losses from damages or reduction in useful life of a single satellite could easily exceed costs of this facility.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Monmouth, New Jersey

4. PROJECT TITLE Satellite Control System Addition	5. PROJECT NUMBER 2836
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12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
- (a) Design Start Date..... SEP 1985
 - (b) Percent Complete As Of 01 January 93 (BDGT YR).. 35
 - (c) Percent Complete As Of 01 October 93 (PROG YR).. 100
 - (d) Design Complete Date..... OCT 1993

(2) Basis:

- (a) Standard or Definitive Design - (YES/NO) **N**
- (b) Where Design Was Most Recently Used

- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
- (a) Production of Plans and Specifications..... 426
 - (b) All Other Design Costs..... 424
 - (c) Total Design Cost..... 850
 - (d) Contract..... 650
 - (e) In-house..... 200

- (4) Construction Start..... FEB 1994
month & year

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>
IDS Eq	OPA	1994	2
Info Sys - ISC	OPA	1994	168
Info Sys - PROP		1994	1
		TOTAL	<u>171</u>

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	PAGE
NUMBER	PROJECT TITLE		REQUEST	REQUEST	
New Mexico		White Sands Missile Range (AMC)			153
41204	Target Track		2,900	2,900	155
		Subtotal For White Sands Missile Range PART I	\$ 2,900	2,900	
		* TOTAL MCA FOR New Mexico	\$ 2,900	2,900	

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION White Sands Missile Range New Mexico			4. COMMAND US Army Materiel Command			5. AREA CONSTRUCTION COST INDEX 1.10	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
		TOTAL					
A. AS OF 30 SEP 1992	146	744	3111	0	0	0	17 85 2784 6,887
B. END FY 1999	104	444	2695	0	0	0	17 86 2774 6,120
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE..... 1,746,720 AC							
B. INVENTORY TOTAL AS OF 30 SEP 1992..... 1,604,866							
C. AUTHORIZATION NOT YET IN INVENTORY..... 0							
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM..... 2,900							
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM..... 10,800							
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY)..... 0							
G. REMAINING DEFICIENCY..... 12,000							
H. GRAND TOTAL..... 1,630,566							
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
390	41204	Target Track		2,900	10/1992	11/1993	
				TOTAL	2,900		
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE	PROJECT TITLE		(\$000)				
A. INCLUDED IN THE FY 1995 PROGRAM:							
312	Climate Test and Evaluation Facility		10,800				
				TOTAL	10,800		
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
A National Range performing test and evaluation of missile and rocket systems and related material. Provides specialized technical support for all range users, including Army, Navy, Air Force and systems contractors.							
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:							
				(\$000)			
A. AIR POLLUTION				0			

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993
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INSTALLATION AND LOCATION: White Sands Missile Range New Mexico

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

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

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION White Sands Missile Range New Mexico				4. PROJECT TITLE Target Track				
5. PROGRAM ELEMENT 72896A		6. CATEGORY CODE 390	7. PROJECT NUMBER 41204		8. PROJECT COST (\$000) Auth 2,900 Approp 2,900			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>								2,599
Improve Target Track					SY	324,440	4.21	(1,368)
Modify Target Track					SY	20,134	17.00	(342)
Clearing 8 miles					SY	130,944	5.60	(733)
Roads to Optical Sites (6)					LS	--	--	(136)
Optical Site (6)					LS	--	--	(20)
<u>SUPPORTING FACILITIES</u>								
ESTIMATED CONTRACT COST								2,599
CONTINGENCY PERCENT (5.00%)								130
SUBTOTAL								2,729
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								164
TOTAL REQUEST								2,893
TOTAL REQUEST (ROUNDED)								2,900
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(0)
10. Description of Proposed Construction Upgrade an existing test range. Work includes improving an existing 13-mile graded-soil target test track by provision of drainage culverts and a built-up base course surface, and shoulder clearance along eight miles of right-of-way. Following initial testing, modify 1.5 miles of the improved test track by removal/repair of the base course surface and replacement with an asphalt surface. Construct six optical tracking and instrumentation sites, to include provision of surfaced access roads from existing roads and trails.								
11. <u>REQUIREMENT:</u> 13 MI ADEQUATE: NONE SUBSTANDARD: 13 MI								
<u>PROJECT:</u> Improve existing target track and construct optical instrumentation sites. (Current Mission)								
<u>REQUIREMENT:</u> This project is required to provide test track surface characteristics to satisfy technical requirements of the test program. Earth, base course, and asphalt surfaces are required to present representative acoustic and thermal signatures for evaluation of the weapon systems being tested. Six additional instrumentation sites are required to track and record weapon functions and flight profile events, to adequately cover the simultaneous dispense and flight functions of multiple submunitions.								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
White Sands Missile Range, New Mexico

4. PROJECT TITLE Target Track	5. PROJECT NUMBER 41204
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CURRENT SITUATION: Test targets currently use a 13-mile graded-dirt test track. This track is adequate only to support initial phases of testing, when representative tactical conditions are not required. Six existing optical instrumentation sites are used to track and record functions of single submunition drop tests. Specific information regarding the test programs impacted by this request cannot be provided in this document due to security restrictions.

IMPACT IF NOT PROVIDED: If this project is not provided, the test track will not provide tactically representative road surfaces and target area conditions required for realistic testing will not be available. Failure to provide additional optical instrumentation sites will limit abilities to track multiple submunitions released by weapons systems under tests. This will make it impossible to gather adequate data to assess performance of new weapons systems entering the developmental and pre-production stages of acquisition. As such systems subsequently join the munitions stockpile, such facilities will also be required for the conduct of stockpile reliability testing.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. A range electric power system, providing reliable commercial power, is under construction as an FY 93 Unspecified Minor MCA project (41203, \$1.45 Million), and provides power drops for instrumentation sites to be built under this project.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

- (a) Design Start Date..... OCT 1992
- (b) Percent Complete As Of 01 January 93 (BDGT YR).. 35
- (c) Percent Complete As Of 01 October 93 (PROG YR).. 95
- (d) Design Complete Date..... NOV 1993

(2) Basis:

- (a) Standard or Definitive Design - (YES/NO) N
- (b) Where Design Was Most Recently Used

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

- (a) Production of Plans and Specifications..... 29

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION White Sands Missile Range, New Mexico		
4. PROJECT TITLE Target Track	5. PROJECT NUMBER 41204	
12. <u>SUPPLEMENTAL DATA:</u> (Continued)		
A. Estimated Design Data: (Continued)		
(b) All Other Design Costs.....	<u>203</u>	
(c) Total Design Cost.....	<u>232</u>	
(d) Contract.....	<u>145</u>	
(e) In-house.....	<u>87</u>	
(4) Construction Start.....	<u>MAY 1994</u> month & year	
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>Cost</u> <u>Or Requested</u> <u>(\$000)</u>
	None	

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	PAGE
<u>NUMBER</u>	<u>PROJECT TITLE</u>		<u>REQUEST</u>	<u>REQUEST</u>	
New York		United States Military Academy (XXX)			161
34548	Whole Barracks Renewal		13,800	13,800	163
		Subtotal For United States Military Academy PART I	\$ 13,800	13,800	
		* TOTAL MCA FOR New York	\$ 13,800	13,800	

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION United States Military Academy New York			4. COMMAND United States Military Academy			5. AREA CONSTRUCTION COST INDEX 1.13	
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		794	652	2370	0	4465	0
B. END FY 1999		779	632	2419	0	4258	0
					31	1	894
					31	1	2177
							10,297
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		29,511 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		1,715,641					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		13,800					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		28,000					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		5,780					
G. REMAINING DEFICIENCY.....		42,950					
H. GRAND TOTAL.....		1,806,171					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
721	34548	Whole Barracks Renewal		13,800	09/1992	06/1993	
				TOTAL	13,800		
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
722		Renovate Food Processing Facility		28,000			
				TOTAL	28,000		
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
<p>The mission of the United States Military Academy (USMA) is to educate, train, and inspire the Corps of Cadets so that each graduate shall have the character, leadership, intellectual foundation, and other attributes essential to progression and continuing development throughout a career of exemplary service to the nation as an officer of the regular army. USMA is the installation manager for Stewart Army Subpost.</p>							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993
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INSTALLATION AND LOCATION: United States Military Academy New York

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 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION United States Military Academy New York				4. PROJECT TITLE Whole Barracks Renewal				
5. PROGRAM ELEMENT 85896A		6. CATEGORY CODE 721	7. PROJECT NUMBER 34548		8. PROJECT COST (\$000) Auth 13,800 Approp 13,800			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY								10,852
Barracks Addition					SF	9,060	140.52	(1,273)
Command Group HQ					SF	15,629	111.28	(1,739)
Barracks Renovation					SF	81,626	89.33	(7,292)
Asbestos Removal					LS	--	--	(131)
Building Information Systems					LS	--	--	(417)
SUPPORTING FACILITIES								1,132
Electric Service					LS	--	--	(353)
Water, Sewer, Gas					LS	--	--	(199)
Steam And/Or Chilled Water Distr					LS	--	--	(38)
Paving, Walks, Curbs And Gutters					LS	--	--	(57)
Storm Drainage					LS	--	--	(40)
Site Imp(276) Demo()					LS	--	--	(276)
Information Systems					LS	--	--	(169)
ESTIMATED CONTRACT COST								11,984
CONTINGENCY PERCENT (8.50%)								1,019
SUBTOTAL								13,003
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								780
TOTAL REQUEST								13,783
TOTAL REQUEST (ROUNDED)								13,800
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(86)
10. Description of Proposed Construction Renovate the interior of two historic enlisted personnel barracks. Project includes living/sleeping rooms with private bath, walk-in closets, and includes an addition to one barracks. Construct a detached consolidated Battalion and Three Company Headquarters and Supply building, with classrooms and arms room included in military police company space. Renovate and reconfigure into current standard modules to accommodate enlisted barracks facilities. Work includes fire stairs and asbestos removal. Basement area will contain bulk storage space, weight room, laundry facilities, mud room and future common use area. Dorm office and common use area will be provided along with mail facilities on the first floor. Supporting facilities include utilities; electric service; sanitary sewer; fire protection and alarm systems; paving, walks, curbs and gutters; information systems; and site improvements. Access for the handicapped will be provided in the Command Group Headquarters building. Heating will be provided from existing central steam plant. Barracks heating and cooling will be fan coil units with individual room controls. Air conditioning: 240 tons. Comprehensive Interior Design services are requested.								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION United States Military Academy, New York		
4. PROJECT TITLE Whole Barracks Renewal	5. PROJECT NUMBER 34548	
11. <u>REQUIREMENT:</u> 209 PN ADEQUATE: NONE SUBSTANDARD: NONE		
<u>PROJECT:</u> Renovate two enlisted barracks and provide barracks addition and a headquarters building to meet the Whole Barracks Renewal Program Standard. (Current Mission)		
<u>REQUIREMENT:</u> This project is required to provide barracks and command administration for all enlisted soldiers stationed at West Point. The requirement for this project will not be affected by reductions in the size of the Corps of Cadets, which have no effect on enlisted support strength. The renovated barracks and addition will provide housing for 178 E1-E4 and 31 E5-E6. Intended utilization is 209 spaces. This will allow a maximum utilization of 240 spaces.		
<u>CURRENT SITUATION:</u> The Military Police (MP) barracks currently share an aging administration building with the Provost Marshal administrative offices. The north dining facility serving the MP Company is currently located in a separate building. The Headquarters, Medical Department Activity and Dental Activity companies' barracks are currently housed in the two buildings to be renovated. All barracks require major renovations to optimize use of the available space to comply with current life safety standards. All facilities currently used for these functions are in poor condition because of the protracted period since the last major renovation, and are a burden to the maintenance and repair program. The two buildings (currently containing 173 spaces) to be revitalized are virtually identical: heating, ventilation and air conditioning (HVAC) are inadequate, plumbing with gang latrines is substandard and interior surfaces are badly worn. One building includes a modern dining facility which remains in operation with no work under this project. The other building includes approximately 7,000 SF of storage areas which will be converted to barracks. The north dining facility serving the MPs will be closed as a result of the consolidation.		
<u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the single enlisted soldiers will continue to live in deplorable conditions enduring inadequate HVAC, plumbing, electrical, and life-safety systems. These aging facilities will continue to be a burden to the maintenance and repair program through piecemeal major repairs. The north dining facility will continue to operate, thereby burdening the operations and maintenance programs.		
<u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project. The following are related projects: FY 92 PN 31081 - Military Police Station/Garrison Commander Headquarters; FY 94 OMA Project -		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
United States Military Academy, New York

4. PROJECT TITLE Whole Barracks Renewal	5. PROJECT NUMBER 34548
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ADDITIONAL: (CONTINUED)
 Exterior M/R Buildings and Site Improvements; FY 93 OMA Project - Consolidate Enlisted Recreational Facilities; FY 95 OMA Project - Road Extension; FY 97 OMA Project - Demolition, World War II Buildings (30,000 GSF).

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	<u>SEP 1992</u>
(b) Percent Complete As Of 01 January 93 (BDGT YR)..	<u>35</u>
(c) Percent Complete As Of 01 October 93 (PROG YR)..	<u>100</u>
(d) Design Complete Date.....	<u>JUN 1993</u>

(2) Basis:

(a) Standard or Definitive Design - (YES/NO) N

(b) Where Design Was Most Recently Used

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

(a) Production of Plans and Specifications.....	<u>816</u>
(b) All Other Design Costs.....	<u>680</u>
(c) Total Design Cost.....	<u>1,496</u>
(d) Contract.....	<u>1,088</u>
(e) In-house.....	<u>408</u>

(4) Construction Start..... APR 1994
month & year

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	0000	80
Info Sys - PROP	OPA	0000	6
		TOTAL	<u>86</u>

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST	PAGE
North Carolina		Fort Bragg (FORSCOM)			169
	1731	Tactical Equipment Shop	23,000	23,000	171
	4641	Tactical Equipment Shop	7,100	7,100	175
	35358	Whole Brigade Barracks Complex	71,600	71,600	178
	40444	Sewage Treatment Plant Upgrade	540	540	182
		Subtotal For Fort Bragg PART I	\$ 102,240	102,240	
		* TOTAL MCA FOR North Carolina	\$ 102,240	102,240	

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Bragg North Carolina			4. COMMAND US Army Forces Command			5. AREA CONSTRUCTION COST INDEX 0.80	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		4918	34475	4234	278	1858	0
B. END FY 1999		5261	34316	5029	289	1325	0
		250	1270	1466	250	1271	1466
						TOTAL	
						48,749	
						49,207	
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		129,431 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		3,068,225					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		102,240					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		24,000					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0					
G. REMAINING DEFICIENCY.....		190,412					
H. GRAND TOTAL.....		3,384,877					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
214	1731	Tactical Equipment Shop		23,000	01/1992	09/1993	
214	4641	Tactical Equipment Shop		7,100	01/1992	09/1993	
721	35358	Whole Brigade Barracks Complex		71,600	09/1992	09/1993	
831	40444	Sewage Treatment Plant Upgrade		540	10/1992	08/1993	
				TOTAL	102,240		
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
721		Whole Barracks Renewal		24,000			
				TOTAL	24,000		
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Support and training of an Airborne Division and non-divisional support units; support to US Army Special Operations Command, including 1st US Army Special Operations Command, and the USA John F. Kennedy Special Warfare Center & School; XVIII Corps Headquarters and miscellaneous other tenant activities.							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993
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INSTALLATION AND LOCATION: Fort Bragg

North Carolina

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	(\$000)
A. AIR POLLUTION	1,684
B. WATER POLLUTION	8,860
C. OCCUPATIONAL SAFETY AND HEALTH	0

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Fort Bragg North Carolina				4. PROJECT TITLE Tactical Equipment Shop				
5. PROGRAM ELEMENT 22696A		6. CATEGORY CODE 214	7. PROJECT NUMBER 1731		8. PROJECT COST (\$000) Auth 23,000 Approp 23,000			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY								15,755
Vehicle Maintenance Shops (4 EA)					SF	122,480	88.94	(10,894)
Deploy Equip Storages, (3)					SF	3,500	39.60	(139)
Crypto Vault					SF	3,013	99.32	(299)
Fuel Dispensing Building					SF	120	205.23	(25)
Oil Storage Buildings (3)					SF	480	70.00	(34)
Total from Continuation page								(4,364)
SUPPORTING FACILITIES								4,493
Electric Service					LS	--	--	(702)
Water, Sewer, Gas					LS	--	--	(320)
Steam And/Or Chilled Water Distr					LS	--	--	(485)
Paving, Walks, Curbs And Gutters					LS	--	--	(153)
Storm Drainage					LS	--	--	(609)
Site Imp(1,412) Demo(16)					LS	--	--	(1,428)
Information Systems					LS	--	--	(796)
ESTIMATED CONTRACT COST								20,248
CONTINGENCY PERCENT (5.00%)								1,012
SUBTOTAL								21,260
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								1,276
TOTAL REQUEST								22,536
TOTAL REQUEST (ROUNDED)								23,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(4,326)
10. Description of Proposed Construction Construct a standard-design organizational and direct support vehicle maintenance shop complex. The maintenance shops will consist of vehicle maintenance repair bays, general item and compact item repair areas, and special environment shops. Install electrically operated bay doors, lubricant dispensing facilities, vehicle exhaust ventilation, fire protection system, compressed air systems, full-width traveling bridge cranes, and inspection pits. Relocate existing MARS station, control building and antenna field. The complex includes deployment equipment storage buildings, oil storage buildings, fuel dispensing buildings with fuel islands and pumps, open storage areas, fuel storage tanks, and vehicle hardstand. Install an intrusion detection system (IDS) for a crypto vault. Supporting facilities include utilities; electric service; storm drainage; sewer systems; sewage pump station; fire protection and alarm systems; security lighting, fencing and gates; paving, walks, curbs and gutters; parking; information systems; and site improvements. Construct access road to connect the complex to a main road. Heating and air conditioning (44 tons) will be provided by self-contained units for administrative areas, crypto vaults, and special environment shops. Mechanical ventilation: 334,224 CFM. Demolish three buildings (5,450 SF) within the footprint. Support facility costs are high								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Bragg, North Carolina

4. PROJECT TITLE Tactical Equipment Shop	5. PROJECT NUMBER 1731
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9. COST ESTIMATES (CONTINUED)

<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit COST</u>	<u>Cost (\$000)</u>
PRIMARY FACILITY (CONTINUED)				
Sentry Station	SF	104	263.97	(27)
Fuel Dispensing System	GA	60,000	10.15	(609)
Hardstand	SY	92,500	35.00	(3,238)
IDS Installation	LS	--	--	(7)
Relocate Existing MARS Station	LS	--	--	(313)
Building Information Systems	LS	--	--	(170)
			Total	4,364

DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)
because the undeveloped site lacks infrastructure.

11. REQUIREMENT: 215,485 SF ADEQUATE: 22,656 SF SUBSTANDARD: 12,285 SF
PROJECT: Construct a standard-design organizational and direct support vehicle maintenance shop complex. (Current Mission)

REQUIREMENT: This project is required to provide adequate facilities for the 782d Maintenance Battalion, which provides direct support maintenance for all division equipment except for parachutes and medical items. The equipment inventory ranges from tanks, to weaponry, to sensitive electronic, signal, and optical items. The readiness posture and effectiveness of the entire division depends on well-maintained equipment, a fully stocked parts system, and adequate service facilities. This project also provides organizational and direct support space for the 782d Battalion to maintain its own vehicles and trailers. The shops will accommodate 483 personnel.

CURRENT SITUATION: The 782d Maintenance Battalion currently performs maintenance in 11 permanent and 11 temporary buildings. The four permanent shop buildings were constructed in 1955 and are poorly adapted for modern organizational and direct support maintenance. The facilities are too small for large equipment and lack overhead cranes and environmentally controlled shops for maintenance of radar, electronic, signal, and advanced weaponry. There is no storage for high-security parts for missile maintenance and only minimal security for highly classified weapons and communications systems. Some existing facilities are endangered by the Pope Air Force Base runway and must be removed due to danger during take-offs and landings. At completion of this project, the 11 permanent buildings, totalling 47,444 SF, will be turned over to the "Dragon Brigade" to make up their shortage of authorized maintenance space. The 11 temporary buildings are no longer economical to maintain and will be demolished.

IMPACT IF NOT PROVIDED: If this project is not provided, the 782d Maintenance Battalion will continue to experience maintenance backlogs due to inadequate facilities. Troop morale and productivity will suffer as a result.

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Bragg, North Carolina

4. PROJECT TITLE Tactical Equipment Shop	5. PROJECT NUMBER 1731
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IMPACT IF NOT PROVIDED: (CONTINUED)
As part of the 82d Airborne Division Support Command (DISCOM), the 782d has a rapid deployment mission. The proposed facility has special storage, security and access requirements to support this missions. The uniqueness of this mission also makes it impractical to collocate this facility with other organizational maintenance facilities such as the proposed tactical equipment shop.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

12. SUPPLEMENTAL DATA:

- A. Estimated Design Data:
- (1) Status:
 - (a) Design Start Date..... JAN 1992
 - (b) Percent Complete As Of 01 January 93 (BDGT YR).. 35
 - (c) Percent Complete As Of 01 October 93 (PROG YR).. 100
 - (d) Design Complete Date..... SEP 1993
 - (2) Basis:
 - (a) Standard or Definitive Design - (YES/NO) Y
 - (b) Where Design Was Most Recently Used
Fort Bragg
 - (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 1,150
 - (b) All Other Design Costs..... 530
 - (c) Total Design Cost..... 1,680
 - (d) Contract..... 700
 - (e) In-house..... 980
 - (4) Construction Start..... JAN 1994
month & year

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION Fort Bragg, North Carolina
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4. PROJECT TITLE Tactical Equipment Shop	5. PROJECT NUMBER 1731
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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	0000	4,326
		TOTAL	<u>4,326</u>

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Fort Bragg North Carolina			4. PROJECT TITLE Tactical Equipment Shop					
5. PROGRAM ELEMENT 22696A		6. CATEGORY CODE 214	7. PROJECT NUMBER 4641		8. PROJECT COST (\$000) Auth 7,100 Approp 7,100			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY								4,935
Vehicle Maintenance Shop, Org.					SF	34,110	88.80	(3,029)
Deployment Equipment Storage					SF	3,500	40.00	(140)
Oil Storage Building					SF	540	70.00	(38)
Sentry Station					SF	80	225.82	(18)
Fuel Dispensing Building					SF	120	205.98	(25)
Total from Continuation page								(1,685)
SUPPORTING FACILITIES								1,428
Electric Service					LS	--	--	(149)
Water, Sewer, Gas					LS	--	--	(111)
Steam And/Or Chilled Water Distr					LS	--	--	(107)
Paving, Walks, Curbs And Gutters					LS	--	--	(48)
Storm Drainage					LS	--	--	(102)
Site Imp(649) Demo(29)					LS	--	--	(678)
Information Systems					LS	--	--	(221)
Heating Oil Storage					LS	--	--	(12)
ESTIMATED CONTRACT COST								6,363
CONTINGENCY PERCENT (5.00%)								318
SUBTOTAL								6,681
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								401
TOTAL REQUEST								7,082
TOTAL REQUEST (ROUNDED)								7,100
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(4,616)
10. Description of Proposed Construction Construct a standard-design organizational and direct support maintenance shop with vehicle maintenance repair bays, administration and shop control areas, general and compact item repair areas, a special-environment shop, storage, a conference area, and latrines. Install electrically operated doors, lubricant dispensing facilities, exhaust ventilation, compressed air systems, full-width traveling bridge cranes, fire protection and alarm systems, and inspection pits. The complex will include deployment equipment storage, oil storage, sentry station, fuel islands and pumps, vehicle hardstands, a crypto vault with an intrusion detection system (IDS), and underground fuel storage tanks. Widen the road to the shop entrance. Supporting facilities include utilities; electric service; paving, walks, curbs and gutters; parking; storm drainage; sewer systems; security lighting; oil storage tank; fencing and gates; information systems; and site improvements. Heating and air conditioning (20 tons) will be provided by self-contained units for the administrative areas, crypto vault, and the special environment shop only. Mechanical ventilation: 92,747 CFM. Demolish five buildings (9,038 SF) within the footprint. Supporting facilities costs are high because of extensive site work and demolition requirements.								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Bragg, North Carolina

4. PROJECT TITLE Tactical Equipment Shop	5. PROJECT NUMBER 4641
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9. COST ESTIMATES (CONTINUED)

<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit COST</u>	<u>Cost (\$000)</u>
<u>PRIMARY FACILITY (CONTINUED)</u>				
Crypto Vault	SF	2,027	96.13	(195)
Hardstand	SY	26,330	35.00	(922)
Aprons	SY	5,400	35.00	(189)
Fuel Dispensing System	GA	30,000	8.10	(243)
IDS Installation	EA	5	2,200	(11)
Building Information Systems	LS	--	--	(125)
			Total	1,685

11. REQUIREMENT: 1,379,914 SF ADEQUATE: 445,427 SF SUBSTANDARD: 216,758 SF

PROJECT: Construct a standard-design tactical equipment shop. (Current Mission)

REQUIREMENT: This project is required to provide essential maintenance for the 35th Signal Brigade and organizational maintenance for 337 wheeled vehicles and combat trailers assigned to the 25th Signal Battalion and Headquarters and Headquarters Company (HHC), 35th Signal Brigade.

CURRENT SITUATION: The 25th Signal Battalion and HHC, 35th Signal Brigade, share extremely crowded maintenance facilities with the 50th and 426th Signal Battalions. These facilities were designed to house only two battalions. These facilities currently have five times as much equipment as the facilities were originally designed for. The cramped conditions cause ineffective operational control and inadequate security. Present facilities have no provisions for generator maintenance or communications, crypto, or small item repair. The existing two-lane road serves various vehicle maintenance shops and a large number of World War II structures, and is adequate to support the existing and future maintenance facilities in this area. The missions of these units do not include a rapid deployment requirement. As such, it is not appropriate to collocate this proposed maintenance facility with that proposed for the 782d Maintenance Battalion.

IMPACT IF NOT PROVIDED: If this project is not provided, the 25th Signal Battalion and HHC, 35th Signal Brigade, must continue maintenance functions in severely crowded and inadequate facilities. Readiness posture will be severely hampered, and troop productivity will suffer due to the crowded, inadequate conditions or in areas exposed to the elements.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Bragg, North Carolina			
4. PROJECT TITLE Tactical Equipment Shop	5. PROJECT NUMBER 4641		
<p>ADDITIONAL: (CONTINUED)</p> <p>subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>			
12. SUPPLEMENTAL DATA:			
A. Estimated Design Data:			
(1) Status:			
(a) Design Start Date.....	JAN 1992		
(b) Percent Complete As Of 01 January 93 (BDGT YR)...	35		
(c) Percent Complete As Of 01 October 93 (PROG YR)...	100		
(d) Design Complete Date.....	SEP 1993		
(2) Basis:			
(a) Standard or Definitive Design - (YES/NO) Y			
(b) Where Design Was Most Recently Used			
Fort Bragg			
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)			
(a) Production of Plans and Specifications.....	390		
(b) All Other Design Costs.....	202		
(c) Total Design Cost.....	592		
(d) Contract.....	342		
(e) In-house.....	250		
(4) Construction Start..... FEB 1994			
		month & year	
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>
IDS Equipment	OPA	1994	33
Info Sys - ISC	OPA	1994	4,583
		TOTAL	4,616

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Bragg North Carolina			4. PROJECT TITLE Whole Brigade Barracks Complex		
5. PROGRAM ELEMENT 22696A	6. CATEGORY CODE 721	7. PROJECT NUMBER 35358	8. PROJECT COST (\$000) Auth 71,600 Approp 71,600		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY					49,409
Brigade Area Barracks		SF	243,000	72.00	(17,496)
Company Operations Building		SF	79,857	72.92	(5,824)
Dining Facility		SF	14,116	145.00	(2,047)
Battalion Headquarters Building		SF	51,536	78.59	(4,050)
Brigade Headquarters Building		SF	10,100	81.00	(818)
Total from Continuation page					(19,174)
SUPPORTING FACILITIES					14,921
Electric Service		LS	--	--	(2,331)
Water, Sewer, Gas		LS	--	--	(559)
Steam And/Or Chilled Water Distr		LS	--	--	(2,218)
Paving, Walks, Curbs And Gutters		LS	--	--	(2,595)
Storm Drainage		LS	--	--	(506)
Site Imp(4,506) Demo(1,139)		LS	--	--	(5,644)
Information Systems		LS	--	--	(1,068)
ESTIMATED CONTRACT COST					64,330
CONTINGENCY PERCENT (5.00%)					3,217
SUBTOTAL					67,547
SUPERVISION, INSPECTION & OVERHEAD (6.00%)					4,053
TOTAL REQUEST					71,600
TOTAL REQUEST (ROUNDED)					71,600
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(1,865)
10. Description of Proposed Construction Revitalize Brigade Area Barracks Complex. Project includes constructing new barracks, company operations facilities, battalion and brigade headquarters, dining facilities, common use facilities, close-in training area, standard-design general purpose warehouse, parachute packing and drying facility, chiller plant, and heating plant. Barracks will include living/sleeping room, private bath, walk-in closets, storage, day room, television rooms, and laundry; exterior room entrances; two ceiling fans, and independent thermostat controls per room. Construct two-story company operations facilities for two large, three medium, and 12 small companies, three small and one large battalion headquarters, and one brigade headquarters based on the standard constrained site designs. Connect energy monitoring and control system (EMCS). Install an intrusion detection system (IDS). Construct a standard-design dining facility. Construct a heating plant and chiller plant (1,000 tons). Relocate Jump Training Facility. Asbestos removal is required. Supporting facilities include utilities; electric service; fire protection and alarms systems; picnic tables, benches, and bike racks; fencing and gates; paving, walks, curbs and gutters; parking; storm drainage; information systems; and site improvements. Heating and air conditioning (975 tons) will be provided. Demolish 20 buildings (230,730 SF) within the footprint, which					

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Fort Bragg, North Carolina				
4. PROJECT TITLE Whole Brigade Barracks Complex	5. PROJECT NUMBER 35358			
9. COST ESTIMATES (CONTINUED)				
<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit COST</u>	<u>Cost (\$000)</u>
<u>PRIMARY FACILITY (CONTINUED)</u>				
Relocate Jump Training Facility	LS	--	--	(1,360)
Parachute Packing Facility	SF	125,502	51.00	(6,401)
General Purpose Warehouse	SF	68,878	45.00	(3,100)
Central Energy Plant	LS	--	--	(4,921)
EMCS Connections	LS	--	--	(1,000)
IDS Installation	LS	--	--	(25)
Building Information Systems	LS	--	--	(2,367)
			Total	19,174
<u>DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)</u>				
includes the Parachute Packing Facility and General Purpose Warehouse.				
<u>11. REQUIREMENT:</u> 20,577 PN ADEQUATE: 13,840 PN SUBSTANDARD: 2,470 PN				
<u>PROJECT:</u> Revitalize a Brigade Area Barracks Complex to meet the Whole Barracks Renewal Program Standard. (Current Mission)				
<u>REQUIREMENT:</u> This project is required to provide barracks for the 82d Airborne Division using the Whole Barracks Renewal Program standard. This project will provide housing for a total of 833 enlisted personnel. Maximum utilization is 900 persons. These barracks require upgraded furnishings, upgraded laundry, a common use facility, site improvements around barracks, increased parking, and contiguous recreation areas to meet Army Community of Excellence standards. This project will upgrade the existing heating plant and construct a new chiller plant to support the construction of the barracks and administrative facilities in this project. This project is the first of several phases required to improve the quality-of-life for single soldiers. This project will also construct four battalion headquarters and one brigade headquarters for the 82d Airborne Division, to replace existing substandard facilities.				
<u>CURRENT SITUATION:</u> The typical barracks for the 82d Airborne Division soldier was constructed in 1955. These barracks are nearly 40 years old, the infrastructure is decaying, the soldiers still use gang latrines and showers, and existing heating, ventilation, and air conditioning (HVAC); and hot water systems require frequent repairing. There is evidence of reinforcement bar problems in some of the concrete structure, and water infiltration in the concrete slabs. The existing heat plant was constructed in 1955. Today this plant supplies hot water and heat to barracks, company administrative facilities, battalion headquarters, brigade headquarters, and various community activities in the 82d Division Arc District. Due to the age of the plant, Fort Bragg is faced with costly maintenance repairs and upkeep. The existing chiller plant was constructed 1974. The 82d Airborne Division uses				

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Bragg, North Carolina

4. PROJECT TITLE Whole Brigade Barracks Complex	5. PROJECT NUMBER 35358
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CURRENT SITUATION: (CONTINUED)
 permanent, dispersed, inadequate facilities to accommodate brigade and battalion administrative functions: a typical brigade must rely on three, small, dispersed administrative facilities. Battalion headquarters use a combination of a module building designed for storage and converted barracks space. Administrative facilities have inefficient office layouts. Barracks space converted to battalion headquarters has not been upgraded to an adequate battalion headquarters standard. Temporary facilities will be used for future revitalization projects. The two-story designs are required due to the extremely constrained building sites caused by the need to preserve adjacent wooded area for the recovery of the endangered red-cockaded woodpecker.
IMPACT IF NOT PROVIDED: If this project is not provided, inadequate barracks in the 82d Airborne Division area will continue to deteriorate to the point that the morale of the Division will be negatively affected. Brigade and battalion operations will continue to be split in multiple, undersized facilities that are nearly 40 years old.
ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
 - (a) Design Start Date..... SEP 1992
 - (b) Percent Complete As Of 01 January 93 (BDGT YR).. 35
 - (c) Percent Complete As Of 01 October 93 (PROG YR).. 100
 - (d) Design Complete Date..... SEP 1993

- (2) Basis:
 - (a) Standard or Definitive Design - (YES/NO) N
 - (b) Where Design Was Most Recently Used

- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 3,420
 - (b) All Other Design Costs..... 2,130
 - (c) Total Design Cost..... 5,550

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Bragg, North Carolina			
4. PROJECT TITLE Whole Brigade Barracks Complex	5. PROJECT NUMBER 35358		
12. SUPPLEMENTAL DATA: (Continued)			
A. Estimated Design Data: (Continued)			
(d) Contract.....		3,500	
(e) In-house.....		2,050	
(4) Construction Start.....		JAN 1994 month & year	
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>
IDS Equipment	OPA	1994	39
Info Sys - ISC	OPA	0000	1,826
TOTAL			1,865

1. COMPONENT ARMY		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Fort Bragg North Carolina				4. PROJECT TITLE Sewage Treatment Plant Upgrade				
5. PROGRAM ELEMENT 22696A		6. CATEGORY CODE 831		7. PROJECT NUMBER 40444		8. PROJECT COST (\$000) Auth 540 Approp 540		
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY								431
Ultraviolet Equipment					LS	--	--	(320)
Concrete Structure					LS	--	--	(100)
Building Information Systems					LS	--	--	(11)
SUPPORTING FACILITIES								52
Electric Service					LS	--	--	(38)
Information Systems					LS	--	--	(14)
ESTIMATED CONTRACT COST								483
CONTINGENCY PERCENT (5.00%)								24
SUBTOTAL								507
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								30
TOTAL REQUEST								537
TOTAL REQUEST (ROUNDED)								540
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(0)
10. Description of Proposed Construction								
<p>Upgrade the sewage treatment plant (STP). Work includes the design, fabrication, and installation of a fully integrated ultraviolet (UV) disinfection system. The UV system will have sufficient capacity to treat a peak flow of 12 million gallons daily (MGD) and an average flow of eight MGD. It will be capable of reducing the fecal coliform count to 200/100 ml. Facility will consist of two parallel channels to accommodate the UV equipment with sufficient space allocated to perform all monitoring and maintenance work to operate the system. The UV disinfection system will alter existing 36-inch pipe to allow it to function as a bypass. The new channels will serve as the normal effluent flow path. Supporting facilities include electric service and information systems.</p>								
11. REQUIREMENT: 12,000 KG ADEQUATE: NONE SUBSTANDARD: 12,000 KG								
PROJECT: Upgrade sewage treatment plant. (Current Mission)								
REQUIREMENT: This project is required to meet the discharge standards prescribed by the North Carolina Department of Natural Resources and Community Development and to meet the operating requirements of the National Pollutant Discharge Elimination System (NPDES) permit.								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Bragg, North Carolina		
4. PROJECT TITLE Sewage Treatment Plant Upgrade	5. PROJECT NUMBER 40444	
<p><u>CURRENT SITUATION:</u> The sewage treatment plant was constructed in 1940-42 with major upgrades in 1981 and 1991. Fort Bragg cannot meet the STP effluent restrictions and discharge limitations of the NPDES permit issued in September 1991 without the construction of additional wastewater treatment facilities.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, Fort Bragg will continue polluting the Little River with effluent in excess of North Carolina Department of Natural Resources and Community Development standards.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		
12. <u>SUPPLEMENTAL DATA:</u>		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	OCT 1992	
(b) Percent Complete As Of 01 January 93 (BDGT YR)..	35	
(c) Percent Complete As Of 01 October 93 (PROG YR)..	100	
(d) Design Complete Date.....	AUG 1993	
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....	27	
(b) All Other Design Costs.....	16	
(c) Total Design Cost.....	43	
(d) Contract.....	32	
(e) In-house.....	11	
(4) Construction Start.....		
MAR 1994		month & year

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Bragg, North Carolina

4. PROJECT TITLE Sewage Treatment Plant Upgrade	5. PROJECT NUMBER 40444
---	-----------------------------------

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		

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	PAGE
NUMBER	PROJECT TITLE		REQUEST	REQUEST	
Oklahoma		Fort Sill (TRADOC)			187
35242	Whole Barracks Renewal		15,700	15,700	189
		Subtotal For Fort Sill PART I	\$ 15,700	15,700	
		* TOTAL MCA FOR Oklahoma	\$ 15,700	15,700	

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Sill Oklahoma			4. COMMAND US Army Training and Doctrine Command			5. AREA CONSTRUCTION COST INDEX 0.81	
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED	
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 1992	1480	11424	2510	942	5455	1	70 79 2823 24,784
B. END FY 1999	1297	9990	2339	778	5222	0	70 79 2823 22,598
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....	94,222 AC						
B. INVENTORY TOTAL AS OF 30 SEP 1992.....	1,603,935						
C. AUTHORIZATION NOT YET IN INVENTORY.....	0						
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	15,700						
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	38,000						
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0						
G. REMAINING DEFICIENCY.....	99,752						
H. GRAND TOTAL.....	1,757,387						
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
721	35242	Whole Barracks Renewal		15,700	05/1992	09/1993	
				TOTAL	15,700		
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE	PROJECT TITLE		(\$000)				
A. INCLUDED IN THE FY 1995 PROGRAM:							
214	Tactical Equipment Shop		22,000				
721	Whole Barracks Renewal		16,000				
				TOTAL	38,000		
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Support and training of artillery and missile units, operation of the US Army Field Artillery Center and School, US Army Reception Center and provides support for tenant activities and Reserve Components summer training.							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Fort Sill Oklahoma										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table data-bbox="194 451 1070 574"> <thead> <tr> <th></th> <th style="text-align: right;">(\$000)</th> </tr> </thead> <tbody> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </tbody> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Sill Oklahoma				4. PROJECT TITLE Whole Barracks Renewal		
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 721	7. PROJECT NUMBER 35242		8. PROJECT COST (\$000) Auth 15,700 Approp 15,700	
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	COST (\$000)
PRIMARY FACILITY						12,892
Rebuild Barracks (3)				SF	125,697	56.50 (7,102)
Asbestos Removal				LS	--	-- (144)
Bn/Bde Hqs Building				SF	36,600	71.30 (2,610)
Company Operations				SF	29,400	71.30 (2,096)
Elevated Water Storage Tower				LS	--	-- (731)
Total from Continuation page						(209)
SUPPORTING FACILITIES						886
Electric Service				LS	--	-- (60)
Water, Sewer, Gas				LS	--	-- (130)
Paving, Walks, Curbs & Gutters				LS	--	-- (255)
Storm Drainage				LS	--	-- (50)
Site Imp(175) Demo(186)				LS	--	-- (361)
Information Systems				LS	--	-- (30)
ESTIMATED CONTRACT COST						13,778
CONTINGENCY PERCENT (7.50%)						1,033
SUBTOTAL						14,811
SUPERVISION, INSPECTION & OVERHEAD (6.00%)						889
TOTAL REQUEST						15,700
TOTAL REQUEST (ROUNDED)						15,700
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS						(155)
10. Description of Proposed Construction Modernize three barracks. Work includes living/sleeping room with private bath and walk-in closets, asbestos removal, removing and installing new walls. Provide floor covering, wall and ceiling finishings, private exterior entrances, and replace roofs. Convert first floor administrative and dining space to barracks and day room. Basement space will be converted to laundry and storage. Construct two modified standard-design Battalion Headquarters (Hqs), one Brigade Hqs, and eight standard-design Company Operations Facilities, and an elevated water tower. Connect energy monitoring and control system (EMCS). Install an intrusion detection system (IDS). Supporting facilities include utilities, electric service, fire protection and alarm systems, paving, storm drainage, information systems, and site improvements. Heating and air conditioning (250 tons) will be provided from existing self-contained plants. Demolish three buildings (18,614 SF) and hardstand (2,500 SY) within the footprint.						
11. REQUIREMENT: 4,009 PN ADEQUATE: 575 PN SUBSTANDARD: 4,021 PN PROJECT: Modernize three barracks to meet the Whole Barracks Renewal Program Standard and construct one Brigade Hqs, two Battalion Hqs, and eight company operations facility, and an elevated water tower. (Current Mission)						

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
-----------------------------	---	------------------------------

3. INSTALLATION AND LOCATION
Fort Sill, Oklahoma

4. PROJECT TITLE Whole Barracks Renewal	5. PROJECT NUMBER 35242
---	-----------------------------------

9. COST ESTIMATES (CONTINUED)

<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit COST</u>	<u>Cost (\$000)</u>
<u>PRIMARY FACILITY (CONTINUED)</u>				
EMCS Connection	LS	--	--	(20)
IDS Installation	LS	--	--	(10)
Building Information Systems	LS	--	--	(179)
			Total	209

REQUIREMENT: This project is required to provide living quarter improvements in three enlisted barracks which were constructed in 1954. Space criteria for barracks has been revised to provide larger rooms, private baths, and relocate all administrative functions out of the barracks buildings. This project will provide housing for a total of 396 enlisted personnel (PN) (336 E1-E4 and 60 E5-E6). Maximum utilization will be 456 enlisted personnel. This is the first of ten barracks modernization projects and will rebuild three barracks, including converting administrative and dining space to barracks and day rooms. New facilities for one brigade, two battalions and eight batteries are required to replace the converted space in the existing barracks buildings. This project will provide a better environment for today's enlisted soldiers. Correction of substandard conditions will contribute to the health, welfare, and morale of the service members.

CURRENT SITUATION: Each barracks currently provides living quarters for 88 E1-E4, and 12 E5-E6 personnel with a maximum utilization of 112 enlisted soldiers. Barracks were constructed in 1954 and remodeled in 1975. All systems have deteriorated; lighting and electrical outlets do not meet current standards; domestic hot water and heating systems are inefficient and antiquated. The overall maintenance needs of these buildings are excessive. Administrative space is limited and current layouts do not meet current standards and requirements of the modern Army. New design criteria also indicates that administrative space must be relocated outside the barracks buildings.

IMPACT IF NOT PROVIDED: If this project is not provided, soldiers will continue to live in substandard facilities. As a result major systems will fail, and costs of maintenance and repair will continue to escalate. Goals of the Army's Installation of Excellence Programs will not be met, which may directly affect the soldiers' morale, leading to loss of quality support to the Army.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Sill, Oklahoma			
4. PROJECT TITLE Whole Barracks Renewal	5. PROJECT NUMBER 35242		
<p>ADDITIONAL: (CONTINUED)</p> <p>subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.</p>			
12. SUPPLEMENTAL DATA:			
A. Estimated Design Data:			
(1) Status:			
(a) Design Start Date.....	MAY 1992		
(b) Percent Complete As Of 01 January 93 (BDGT YR) ..	35		
(c) Percent Complete As Of 01 October 93 (PROG YR) ..	90		
(d) Design Complete Date.....	DEC 1993		
(2) Basis:			
(a) Standard or Definitive Design - (YES/NO) Y			
(b) Where Design Was Most Recently Used Fort Hood			
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)			
(a) Production of Plans and Specifications.....	852		
(b) All Other Design Costs.....	142		
(c) Total Design Cost.....	994		
(d) Contract.....			
(e) In-house.....	994		
(4) Construction Start..... APR 1994 month & year			
B. Equipment associated with this project which will be provided from other appropriations:			
<u>Equipment</u>	<u>Procuring</u>	<u>Fiscal Year</u>	
<u>Nomenclature</u>	<u>Appropriation</u>	<u>Appropriated</u>	<u>Cost</u>
		<u>Or Requested</u>	<u>(\$000)</u>
IDS Equipment	OPA	1994	64
Info Sys - ISC	OPA	1994	91
		TOTAL	155

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION APPROPRIATION		PAGE
			REQUEST	REQUEST	
Pennsylvania		Tobyhanna Army Depot (AMC)			195
	32876	Water Pollution Abatement (DBOF)	750	750	197
		Subtotal For Tobyhanna Army Depot PART I	\$ 750	750	
		* TOTAL MCA FOR Pennsylvania	\$ 750	750	

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1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993																																												
3. INSTALLATION AND LOCATION Tobyhanna Army Depot Pennsylvania	4. COMMAND US Army Materiel Command	5. AREA CONSTRUCTION COST INDEX 1.14																																												
<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:30%;">6. PERSONNEL STRENGTH:</td> <td style="width:10%;">PERMANENT</td> <td style="width:10%;">STUDENTS</td> <td style="width:10%;">SUPPORTED</td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> <td style="width:10%;"></td> </tr> <tr> <td></td> <td>OFFICER</td> <td>ENLIST</td> <td>CIVIL</td> <td>OFFICER</td> <td>ENLIST</td> <td>CIVIL</td> <td>OFFICER</td> <td>ENLIST</td> <td>CIVIL</td> <td>TOTAL</td> </tr> <tr> <td>A. AS OF 30 SEP 1992</td> <td>8</td> <td>24</td> <td>3364</td> <td>0</td> <td>0</td> <td>0</td> <td>4</td> <td>5</td> <td>57</td> <td>3,462</td> </tr> <tr> <td>B. END FY 1999</td> <td>10</td> <td>18</td> <td>3486</td> <td>0</td> <td>0</td> <td>0</td> <td>6</td> <td>6</td> <td>633</td> <td>4,159</td> </tr> </table>			6. PERSONNEL STRENGTH:	PERMANENT	STUDENTS	SUPPORTED									OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL	A. AS OF 30 SEP 1992	8	24	3364	0	0	0	4	5	57	3,462	B. END FY 1999	10	18	3486	0	0	0	6	6	633	4,159
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B. END FY 1999	10	18	3486	0	0	0	6	6	633	4,159																																				
<p style="text-align: center;">7. INVENTORY DATA (\$000)</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:80%;">A. TOTAL ACREAGE.....</td> <td style="width:20%; text-align: right;">1,293 AC</td> </tr> <tr> <td>B. INVENTORY TOTAL AS OF 30 SEP 1992.....</td> <td style="text-align: right;">385,784</td> </tr> <tr> <td>C. AUTHORIZATION NOT YET IN INVENTORY.....</td> <td style="text-align: right;">0</td> </tr> <tr> <td>D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....</td> <td style="text-align: right;">750</td> </tr> <tr> <td>E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....</td> <td style="text-align: right;">0</td> </tr> <tr> <td>F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....</td> <td style="text-align: right;">0</td> </tr> <tr> <td>G. REMAINING DEFICIENCY.....</td> <td style="text-align: right;">13,500</td> </tr> <tr> <td>H. GRAND TOTAL.....</td> <td style="text-align: right;">400,034</td> </tr> </table>			A. TOTAL ACREAGE.....	1,293 AC	B. INVENTORY TOTAL AS OF 30 SEP 1992.....	385,784	C. AUTHORIZATION NOT YET IN INVENTORY.....	0	D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....	750	E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....	0	F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....	0	G. REMAINING DEFICIENCY.....	13,500	H. GRAND TOTAL.....	400,034																												
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H. GRAND TOTAL.....	400,034																																													
<p>8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:15%;">CATEGORY</th> <th style="width:15%;">PROJECT</th> <th style="width:40%;">PROJECT TITLE</th> <th style="width:10%;">COST (\$000)</th> <th style="width:10%;">DESIGN STATUS START COMPLETE</th> </tr> </thead> <tbody> <tr> <td></td> <td>871 32876</td> <td>Water Pollution Abatement</td> <td style="text-align: right;">750</td> <td style="text-align: center;">05/1991 06/1992</td> </tr> <tr> <td colspan="3" style="text-align: right;">TOTAL</td> <td style="text-align: right;">750</td> <td></td> </tr> </tbody> </table>			CATEGORY	PROJECT	PROJECT TITLE	COST (\$000)	DESIGN STATUS START COMPLETE		871 32876	Water Pollution Abatement	750	05/1991 06/1992	TOTAL			750																														
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<p>9. FUTURE PROJECTS:</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:15%;">CATEGORY</th> <th style="width:40%;">PROJECT TITLE</th> <th style="width:10%;">COST (\$000)</th> </tr> </thead> <tbody> <tr> <td>A.</td> <td>INCLUDED IN THE FY 1995 PROGRAM:</td> <td style="text-align: center;">NONE</td> </tr> <tr> <td>B.</td> <td>PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY):</td> <td style="text-align: center;">NONE</td> </tr> </tbody> </table>			CATEGORY	PROJECT TITLE	COST (\$000)	A.	INCLUDED IN THE FY 1995 PROGRAM:	NONE	B.	PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY):	NONE																																			
CATEGORY	PROJECT TITLE	COST (\$000)																																												
A.	INCLUDED IN THE FY 1995 PROGRAM:	NONE																																												
B.	PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY):	NONE																																												
<p>10. MISSION OR MAJOR FUNCTIONS:</p> <p>Depot Mission: To operate a supply and maintenance depot providing for the receipt, storage, maintenance, issue and disposal of assigned commodities; to provide installation support to attached organizations, and to operate assigned facilities. (Authority: DESCOM-R 10-1) Major Functions: a. Supply (Stock Distribution - Storage): Provides logistical support to MRCs/NICPs to include project coordination, shipment planning and control, inventory management and maintenance of custodial records, and preservation, packing, marking and storage of all materials. b. Maintenance: Ground, airborne, navigational, and satellite communications - electronics equipments and missile systems. Worldwide maintenance field service support (on-site) for AUTODIN, SATCOM and interrupted power systems (UPS), AN/TYC-39, and AN/TTC-39. Special Workloads: Provide project design and development service for Special</p>																																														

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993
----------------------	---------------------------------------	-----------------------

INSTALLATION AND LOCATION: Tobyhanna Army Depot

Pennsylvania

10. MISSION OR MAJOR FUNCTIONS: (...CONTINUED)

Fabrication Projects (SFP), including procurement data packages. Serve as the Center of Technical Excellence (CTX) for designated new or product improved systems and subsystems. Provide life cycle support, including IMWR and IMSP preparation, special fabrication, verification/validation, physical teardown, and logistics support planning. Operate an automated test system programming facility. Maintain a test program set (TPS) repository for CECOM. Serve as a DESCOM TPS Support Center.

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 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Tobyhanna Army Depot Pennsylvania				4. PROJECT TITLE Water Pollution Abatement (DBOF)			
5. PROGRAM ELEMENT 22696A		6. CATEGORY CODE 100	7. PROJECT NUMBER 32876		8. PROJECT COST (\$000) Auth 750 Approp 750		
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY							480
Lime Feeder				EA	1	193,210	(193)
Detention Pond				SF	6,800	17.50	(119)
Sitewall				SF	2,500	37.50	(94)
Concrete Paving				SY	3,000	24.50	(74)
SUPPORTING FACILITIES							194
Electric Service				LS	--	--	(59)
Water, Sewer, Gas				LS	--	--	(13)
Paving, Walks, Curbs And Gutters				LS	--	--	(43)
Storm Drainage				LS	--	--	(29)
Site Imp(50) Demo()				LS	--	--	(50)
ESTIMATED CONTRACT COST							674
CONTINGENCY PERCENT (5.00%)							34
SUBTOTAL							708
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							42
TOTAL REQUEST							750
TOTAL REQUEST (ROUNDED)							750
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
10. Description of Proposed Construction Construct collection channels and detention basin to collect contaminated coal pile runoff. Construct a chemical feed and mix chamber to treat the contaminated runoff prior to discharge. Supporting facilities include water supply line, electric service, walks, pads, storm drainage, removal of a wall and a slab, and site improvements.							
11. <u>REQUIREMENT:</u> 378,000 GA ADEQUATE: NONE SUBSTANDARD: NONE							
<u>PROJECT:</u> Construct a pollution control water collection and detention system. (Current Mission)							
<u>REQUIREMENT:</u> This project is required to ensure that Tobyhanna Army Depot (TOAD) complies with the regulations of the National Pollution Discharge Elimination System (NPDES) Permit.							
<u>CURRENT SITUATION:</u> Precipitation on the main boiler plant coal pile leaches contaminants from the coal, and the runoff flows across an adjacent field, contaminating Hummler Run and Tobyhanna Creek. Hummler Run is classified as a high quality coldwater fishery by the Pennsylvania Department of Environmental Resources and requires protection. TOAD is a National Priority List (NPL) site, and construction of this project will address corrective action associated with this solid waste management unit.							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Tobyhanna Army Depot, Pennsylvania

4. PROJECT TITLE Water Pollution Abatement (DBOF)	5. PROJECT NUMBER 32876
---	-----------------------------------

IMPACT IF NOT PROVIDED: If this project is not provided, the Depot will continue to violate discharge parameters as established by its NPDES Permit, and will cause adverse environmental impact to Hummler Run and Tobyhanna Creek. With continued non-compliance, TOAD is susceptible to being cited and fined by the Pennsylvania Department of Environmental Resources (PADER), and US Environmental Protection Agency (USEPA). Delays in implementation of this project will adversely affect the expeditious completion of the work as set forth in the Intra-Agency Agreement between the Department of the Army and USEPA Region 3.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
 - (a) Design Start Date..... MAY 1991
 - (b) Percent Complete As Of 01 January 93 (BDGT YR).. 100
 - (c) Percent Complete As Of 01 October 93 (PROG YR).. 100
 - (d) Design Complete Date..... JUN 1992

- (2) Basis:
 - (a) Standard or Definitive Design - (YES/NO) N
 - (b) Where Design Was Most Recently Used

- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 40
 - (b) All Other Design Costs..... 70
 - (c) Total Design Cost..... 110
 - (d) Contract..... 60
 - (e) In-house..... 50

- (4) Construction Start..... JAN 1994
month & year

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION

Tobyhanna Army Depot, Pennsylvania

4. PROJECT TITLE Water Pollution Abatement (DBOF)	5. PROJECT NUMBER 32876
--	--------------------------------

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		

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION APPROPRIATION		PAGE
			REQUEST	REQUEST	
South Carolina		Fort Jackson (TRADOC)			203
	3240	Operations Facility	1,100	1,100	205
	6936	Range Upgrade	1,600	1,600	208
		Subtotal For Fort Jackson PART I	\$ 2,700	2,700	
		* TOTAL MCA FOR South Carolina	\$ 2,700	2,700	

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Jackson South Carolina			4. COMMAND US Army Training and Doctrine Command			5. AREA CONSTRUCTION COST INDEX 0.82	
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		575	3080	2010	13	12226	76
B. END FY 1999		608	3312	2787	237	13287	47
					26	98	113
					33	74	575
							18,217
							20,960
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		52,304 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		1,102,169					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		2,700					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		14,800					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0					
G. REMAINING DEFICIENCY.....		31,139					
H. GRAND TOTAL.....		1,150,808					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
141	3240	Operations Facility		1,100	03/1992	09/1993	
179	6936	Range Upgrade		1,600	01/1992	09/1993	
				TOTAL	2,700		
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
721		Whole Barracks Renewal		14,800			
				TOTAL	14,800		
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
To provide logistical support and facilities for a U.S. Army training center for enlisted personnel and a U.S. Army reception station. Support of summer reserve training and military entrance processing station. Also support of U.S. Army hospital (435) and TO&E/TDA STRAF units.							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Fort Jackson South Carolina										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table> <thead> <tr> <th></th> <th style="text-align: right;">(\$000)</th> </tr> </thead> <tbody> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </tbody> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Fort Jackson South Carolina			4. PROJECT TITLE Operations Facility					
5. PROGRAM ELEMENT 91520A		6. CATEGORY CODE 141	7. PROJECT NUMBER 3240		8. PROJECT COST (\$000) Auth 1,100 Approp 1,100			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY								746
CIDC Field Operation Building					SF	7,450	92.50	(689)
EMCS Connection					LS	--	--	(24)
IDS Installation					LS	--	--	(8)
Building Information Systems					LS	--	--	(25)
SUPPORTING FACILITIES								258
Electric Service					LS	--	--	(65)
Water, Sewer, Gas					LS	--	--	(21)
Paving, Walks, Curbs And Gutters					LS	--	--	(64)
Storm Drainage					LS	--	--	(27)
Site Imp(68) Demo()					LS	--	--	(68)
Information Systems					LS	--	--	(13)
ESTIMATED CONTRACT COST								1,004
CONTINGENCY PERCENT (5.00%)								50
SUBTOTAL								1,054
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								63
TOTAL REQUEST								1,117
TOTAL REQUEST (ROUNDED)								1,100
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(48)
10. Description of Proposed Construction Construct a modified standard-design Criminal Investigations Division Command (CIDC) field operations building. Project includes administrative space; a polygraph suite; secured evidence repository; suspect isolation areas; duty agent suite; observation and interview areas with acoustic separation; photo identification and fingerprint room; property and supply storage and maintenance areas. Install an intrusion detection system (IDS). Connect to energy monitoring and control system (EMCS). Supporting facilities include utilities; electric service; lightning protection; sanitary and storm sewers; fire protection and alarm systems; access roads; paving, walks, curbs and gutters; parking; fencing; information systems; and site improvements. Heating and air conditioning (25 tons) will be provided by self-contained systems. Access for the handicapped will be provided.								
11. REQUIREMENT: 7,450 SF ADEQUATE: NONE SUBSTANDARD: 7,450 SF PROJECT: Construct a modified standard-design CIDC field operations building. (Current Mission)								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Jackson, South Carolina

4. PROJECT TITLE Operations Facility	5. PROJECT NUMBER 3240
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REQUIREMENT: This project is required to provide a field office for 13 personnel of the US Army Criminal Investigation Command. Since this unit converts from a Table of Distribution and Allowances (TDA) to Table of Organization and Equipment (TOE) combat support unit in FY 92, space is required for nine non-tactical vehicles, nine High Mobility Multi-Purpose Wheeled Vehicles (HMMWV), and Modified Table of Organization and Equipment (MTOE) for 26-man detachment.

CURRENT SITUATION: The CIDC Field Office at Fort Jackson is currently housed in three temporary World War II buildings. These facilities are approximately 40 years old, with an original life expectancy of approximately five years, and are not suitable for continued use because of unfavorable location, inadequate size, environmental and energy inefficient features, adverse health and safety conditions, and high maintenance and utility costs. These facilities are cold in the winter, and the lack of adequate contiguous space and mission unique space required for CID operations has an increasingly detrimental impact on the CIDC's mission. These buildings need to be demolished as soon as they are vacated.

IMPACT IF NOT PROVIDED: If this project is not provided, these structures will continue to deteriorate. Separation of victims, witnesses, and suspects will continue to consume an inordinate amount of time. A high probability of potential witnesses being seen by suspects and therefore withholding vital information will continue. Operational inefficiency will continue because major activities are located where space permits rather than where function directs. An excessive amount of time will be necessary to eliminate environmental factors on polygraph results. The present space arrangement and working conditions will continue to lower productivity and morale. The conversion to MTOE will exacerbate these problems.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

- (a) Design Start Date..... MAR 1992
- (b) Percent Complete As Of 01 January 93 (BDGT YR).. 35
- (c) Percent Complete As Of 01 October 93 (PROG YR).. 100

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Jackson, South Carolina		
4. PROJECT TITLE Operations Facility	5. PROJECT NUMBER 3240	
12. SUPPLEMENTAL DATA: (Continued)		
A. Estimated Design Data: (Continued)		
(d) Design Complete Date.....		<u>SEP 1993</u>
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) Y		
(b) Where Design Was Most Recently Used		
Fort Rucker		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e):		(\$000)
(a) Production of Plans and Specifications.....		<u>60</u>
(b) All Other Design Costs.....		<u>96</u>
(c) Total Design Cost.....		<u>156</u>
(d) Contract.....		<u> </u>
(e) In-house.....		<u>156</u>
(4) Construction Start.....		<u>JAN 1994</u> month & year
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment <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>
IDS Equipment	OPA	1993
Info Sys - ISC	OPA	1994
		7
		41
		<u>48</u>
		TOTAL

1. COMPONENT ARMY		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Fort Jackson South Carolina				4. PROJECT TITLE Range Upgrade				
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 179		7. PROJECT NUMBER 6936		8. PROJECT COST (\$000) Auth 1,600 Approp 1,600		
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>								1,356
Modified Record Fire Range					LS	--	--	(1,353)
Building Information Systems					LS	--	--	(3)
<u>SUPPORTING FACILITIES</u>								74
Electric Service					LS	--	--	(18)
Storm Drainage					LS	--	--	(41)
Site Imp(3) Demo(7)					LS	--	--	(10)
Information Systems					LS	--	--	(4)
Fuel Oil Storage					LS	--	--	(1)
ESTIMATED CONTRACT COST								1,430
CONTINGENCY PERCENT (5.00%)								72
SUBTOTAL								1,502
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								90
TOTAL REQUEST								1,592
TOTAL REQUEST (ROUNDED)								1,600
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(354)
10. Description of Proposed Construction								
Construct a standard-design, modified record fire range on existing ranges 11 and 12. Primary facilities include all construction within the perimeter of the range complex and include general instruction building, target emplacements with protective berms, control tower, information systems, operations and storage facility, weapons cleaning and ammunition dispensing shelters, latrines, covered mess, bleacher enclosure, flag pole, and foxholes. All buildings will be supplied with adequate lightning protection. Supporting facilities include all construction outside the perimeter of the range complex including fire protection, electric service, storm drainage, paving, fencing, access roads, parking, fuel-oil storage, information systems, and site improvements. Heating will be provided for the operations and storage facility by an oil-fired furnace. Air conditioning (1 ton) will be provided by a self-contained unit for the control tower. Demolish two outdated ranges and eight wood structures (2,146 SF) all within the footprint. Targetry will be provided by Other Procurement, Army (OPA).								
11. REQUIREMENT: 6 EA ADEQUATE: 1 EA SUBSTANDARD: 3 EA								
PROJECT: Construct a standard-design modified record fire range. (Current								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Jackson, South Carolina		
4. PROJECT TITLE Range Upgrade	5. PROJECT NUMBER 6936	
<p><u>PROJECT:</u> (CONTINUED) Mission)</p> <p><u>REQUIREMENT:</u> This project is required to provide a site for integrating modern range equipment with Remoted Target Systems (RETS), to evaluate the individual soldier's ability to engage multiple targets in a time-constrained environment. This range will allow soldiers to fire on six of 14 Basic Rifle Marksmanship (BRM) Program of Instruction (POI) required for basic training. A standard automated record fire range allows for only three of the 14 periods. This RETS range will support 50 basic training companies with a FY 94 projected training load of 50,500 trainees. FY 96 training loads are not anticipated to vary significantly from the FY 94 levels. Additionally, the installation range will support 14 Advanced Individual Training (AIT) companies, including assigned/attached TO&E units which total 5,940 military personnel, and an annual training load of 7,500 Reserve Component personnel.</p> <p><u>CURRENT SITUATION:</u> Fort Jackson does not now have a Modified Record Fire Range. The existing ranges are not constructed to current Army standards. Two of the ranges were constructed in 1941 and one in 1950. Basic Rifle Marksmanship (BRM) is now conducted on these outdated and maintenance-intensive ranges, plus one Automated Record Fire Range that is heavily used six days a week. Current systems have proven only marginally effective in improving BRM training.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, failing and outdated ranges will continue to be used, resulting in waste of vital training time and failure to properly and adequately train soldiers to acceptable proficiency levels. This installation has experienced an average of 65 down days per year due to maintenance problems on the BRM ranges over the past three years. Realistic training utilizing the latest technologies and methods will not be provided. Training schedules cannot be maintained. This lack of critical skills may directly affect battlefield survival. Efficient training practices and enhanced productivity will not be realized.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Jackson, South Carolina

4. PROJECT TITLE Range Upgrade	5. PROJECT NUMBER 6936
--	----------------------------------

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
 - (a) Design Start Date..... JAN 1992
 - (b) Percent Complete As Of 01 January 93 (BDGT YR).. 35
 - (c) Percent Complete As Of 01 October 93 (PROG YR).. 100
 - (d) Design Complete Date..... SEP 1993

- (2) Basis:
 - (a) Standard or Definitive Design - (YES/NO) **Y**
 - (b) Where Design Was Most Recently Used
Savannah

- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 80
 - (b) All Other Design Costs..... 48
 - (c) Total Design Cost..... 128
 - (d) Contract..... 96
 - (e) In-house..... 32

- (4) Construction Start..... JAN 1994
month & year

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>
Inf Target Mech	OPA	1994	214
Junction Box	OPA	1994	93
Night Muzzles Sim	OPA	1994	8
Range Control Stat	OPA	1994	33
Targets	OPA	1994	5
Info Sys - ISC	OPA	1994	1
		TOTAL	<u>354</u>

DEPARTMENT OF THE ARMY
FISCAL YEAR 1994
MILITARY CONSTRUCTION (PART I)
(DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION APPROPRIATION		PAGE
			REQUEST	REQUEST	
Texas		Fort Bliss (TRADOC)			213
	2255	Consolidated Maintenance Facility	14,000	14,000	215
		Subtotal For Fort Bliss PART I	\$ 14,000	14,000	
		Fort Hood (FORSCOM)			219
	22738	Whole Barracks Renewal	18,000	18,000	221
	22976	Cold/Dry Storage Facility	13,400	13,400	224
	31241	Tactical Equipment Shop	5,300	5,300	228
	33947	Test and Evaluation Support Facility	5,200	5,200	231
	37014	Close Combat Tactical Trainer Facility	7,500	7,500	234
		Subtotal For Fort Hood PART I	\$ 49,400	49,400	
		Fort Sam Houston (FORSCOM)			239
	5118	Multi-Purpose Family Service Center	4,351	4,351	241
		Subtotal For Fort Sam Houston PART I	\$ 4,351	4,351	
		* TOTAL MCA FOR Texas	\$ 67,751	67,751	

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Bliss Texas			4. COMMAND US Army Training and Doctrine Command			5. AREA CONSTRUCTION COST INDEX 0.89	
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		1725	11706	3634	318	1743	0
B. END FY 1999		1600	10417	3876	362	1768	2
		415	361	630	424	362	651
		TOTAL				20,532	
						19,462	
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		125,300 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		1,899,121					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		14,000					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		40,500					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0					
G. REMAINING DEFICIENCY.....		37,072					
H. GRAND TOTAL.....		1,990,693					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
214	2255	Consolidated Maintenance Facility		14,000	06/1992	04/1993	
TOTAL				14,000			
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
721		Whole Barracks Renewal		18,500			
721		Whole Barracks Renewal		22,000			
TOTAL				40,500			
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Provides support to the US Army Air Defense Center and School; William Beaumont Army Medical Center; US Army Sergeants Major Academy, and other tenant activities and units.							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Fort Bliss Texas										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table data-bbox="189 441 1073 567"> <thead> <tr> <th></th> <th style="text-align: right;">(\$000)</th> </tr> </thead> <tbody> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </tbody> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Fort Bliss Texas				4. PROJECT TITLE Consolidated Maintenance Facility				
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 214	7. PROJECT NUMBER 2255		8. PROJECT COST (\$000) Auth 14,000 Approp 14,000			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY								11,482
Vehicle Maintenance Shop GS					SF	110,744	90.34	(10,005)
Hardstand					SY	27,300	40.29	(1,100)
EMCS Connection					LS	--	--	(79)
IDS Installation					LS	--	--	(3)
Building Information Systems					LS	--	--	(295)
SUPPORTING FACILITIES								1,039
Electric Service					LS	--	--	(100)
Water, Sewer, & Gas					LS	--	--	(56)
Paving, Walks, Curbs, & Gutters					LS	--	--	(250)
Storm Drainage					LS	--	--	(116)
Site Imp(387) Demo()					LS	--	--	(387)
Information Systems					LS	--	--	(130)
ESTIMATED CONTRACT COST								12,521
CONTINGENCY PERCENT (5.00%)								626
SUBTOTAL								13,147
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								789
TOTAL REQUEST								13,936
TOTAL REQUEST (ROUNDED)								14,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(178)
10. Description of Proposed Construction Construct a consolidated tactical equipment shop to include: traveling bridge cranes; vehicle exhaust and other industrial air exhaust systems; compressed air, and petroleum, oils and lubricants (POL) product distributing system; fuel dispensing facilities; hardstand; battery charging facility; arms rooms with intrusion detection systems (IDS) rough-in (power conduit only); oil-water separators; fire sprinklers and alarm systems, and waste oil disposal system. Provide sensors, controls and wiring for connection to a future energy monitoring and control system (EMCS). Supporting facilities include utilities; electric service; security lighting; paving, walks, curbs and gutters; fencing; parking; storm drainage; information systems; and site improvements. Heating will be provided by self-contained natural gas-fired units and air conditioning (40 tons) will be provided by self-contained unit. Access for the handicapped will be provided.								
11. REQUIREMENT: 287,551 SF ADEQUATE: 104,487 SF SUBSTANDARD: 180,177 SF PROJECT: Construct a consolidated tactical equipment shop. (Current Mission) REQUIREMENT: This project is required to replace inadequate temporary maintenance facilities and consolidate the Directorate of Installation Support Logistics Maintenance operation. The facility is needed to provide direct and								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Bliss, Texas		
4. PROJECT TITLE Consolidated Maintenance Facility	5. PROJECT NUMBER 2255	
<p>REQUIREMENT: (CONTINUED) general support maintenance for the US Army Air Defense School and units stationed at Fort Bliss. Direct and general support will be consolidated for armament, tactical vehicles, automotive, and special purpose equipment, resulting in a more efficient, economical and effective operation. This facility is currently receiving and must support 500 plus new weapons systems including: Bradley M3/2s, Avenger Fighting Vehicles, FASVs (Support Paladin), M109A6s (Paladin) and various trucks and light vehicles. With these new weapons systems, the maintenance activity will maintain over 51,700 components/items of equipment annually.</p> <p>CURRENT SITUATION: Maintenance activities programmed to occupy this facility presently utilize 12 substandard buildings (11 temporary and one permanent). Due to space constraints, the tactical equipment repair, component repair, and tent and fabric repair shops are split up to operate out of two or more buildings several hundred feet apart. The wood frame buildings are not properly configured for modern equipment, cannot be adequately heated or cooled, are not energy efficient, and do not meet Occupational Safety and Health Administration (OSHA) requirements. The wood frame buildings and associated utilities require frequent and costly repairs. It is not economically feasible to remodel these World War II structures to accommodate modern tactical equipment and state-of-the-art maintenance methods. All 11 wooden buildings and the one permanent building will be demolished. The permanent building is only 54 SF and its location requires that it be demolished. The efficiency gained by consolidation will reduce requirements from 118,798 SF to 110,744 SF.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, maintenance of expensive and highly complex equipment will continue to be carried out in unsatisfactory and inefficient facilities, degrading maintenance support quality. Existing facilities will continue to deteriorate and expose personnel and equipment to adverse working conditions and safety hazards. The projected cost savings for repair, maintenance, and utilities alone is estimated to be \$135,000 annually. The savings for personnel consolidation and efficiency has not been quantified, but will occur.</p> <p>ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that will meet operational requirements. Consequently, a full economic analysis was not performed.</p>		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Bliss, Texas			
4. PROJECT TITLE Consolidated Maintenance Facility	5. PROJECT NUMBER 2255		
12. SUPPLEMENTAL DATA:			
A. Estimated Design Data:			
(1) Status:			
(a) Design Start Date.....	JUN 1992		
(b) Percent Complete As Of 01 January 93 (BDGT YR)..	60		
(c) Percent Complete As Of 01 October 93 (PROG YR)..	100		
(d) Design Complete Date.....	APR 1993		
(2) Basis:			
(a) Standard or Definitive Design - (YES/NO) N			
(b) Where Design Was Most Recently Used			
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)			
(a) Production of Plans and Specifications.....	656		
(b) All Other Design Costs.....	338		
(c) Total Design Cost.....	994		
(d) Contract.....			
(e) In-house.....	994		
(4) Construction Start..... JUN 1994 month & year			
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>
IDS Equipment	OPA	1994	5
Brake Analyzer	OPA	1994	35
Info Sys - ISC	OPA	1994	138
		TOTAL	178

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Hood Texas			4. COMMAND US Army Forces Command			5. AREA CONSTRUCTION COST INDEX 0.90	
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		3603	28598	3365	0	404	0
B. END FY 1999		4763	39546	4116	0	223	0
					49	106	204
					38	99	204
							36,029
							48,089
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		216,923 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		2,937,910					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		49,400					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		45,400					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0					
G. REMAINING DEFICIENCY.....		80,827					
H. GRAND TOTAL.....		3,113,537					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
721	22738	Whole Barracks Renewal		18,000	06/1992	09/1993	
432	22976	Cold/Dry Storage Facility		13,400	09/1991	07/1993	
214	31241	Tactical Equipment Shop		5,300	01/1991	08/1993	
610	33947	Test and Evaluation Support Facility		5,200	01/1991	12/1992	
171	37014	Close Combat Tactical Trainer Facility		7,500	04/1992	01/1993	
				TOTAL	49,400		
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
860		Railroad Track Loading Facility		2,400			
721		Whole Barracks Renewal		26,000			
211		Aviation Maintenance Facility		17,000			
				TOTAL	45,400		
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Support and training of III Corps Headquarters and organizations assigned to III Corps, including 1st CAV Division. Ensure the most efficient utilization of resources to operate Fort Hood and accomplish all assigned							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Fort Hood Texas										
10. MISSION OR MAJOR FUNCTIONS: (...CONTINUED) missions. Ensure Fort Hood is prepared for mobilization.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: <table style="width: 100%; border: none;"> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Fort Hood Texas				4. PROJECT TITLE Whole Barracks Renewal			
5. PROGRAM ELEMENT 22696A		6. CATEGORY CODE 721	7. PROJECT NUMBER 22738		8. PROJECT COST (\$000) Auth 18,000 APPROP 18,000		
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY							14,544
Rebuild Barracks				SF	170,200	59.00	(10,042)
Company Operations				SF	50,975	55.00	(2,804)
Arms Rooms				SF	5,000	82.00	(410)
Asbestos Removal				LS	--	--	(1,131)
IDS Installation				EA	10	1,500	(15)
Building Information Systems				LS	--	--	(142)
SUPPORTING FACILITIES							828
Electric Service				LS	--	--	(234)
Water, Sewer, Gas				LS	--	--	(171)
Steam And/Or Chilled Water Distr				LS	--	--	(138)
Paving, Walks, Curbs And Gutters				LS	--	--	(97)
Storm Drainage				LS	--	--	(23)
Site Imp(100) Demo()				LS	--	--	(100)
Information Systems				LS	--	--	(65)
ESTIMATED CONTRACT COST							15,372
CONTINGENCY PERCENT (10.0%)							1,537
SUBTOTAL							16,909
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							1,015
TOTAL REQUEST							17,924
TOTAL REQUEST (ROUNDED)							18,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(71)
10. Description of Proposed Construction Modernize five barracks. Project includes living/sleeping room with private bath, dayroom, and storage. Remove existing walls, mechanical and electrical systems, piping and valves, water closets, and showers. The existing superstructure (columns and decks) will remain. Additional work includes replacement of roofs, doors, windows, ceiling and floor tile, paint, and asbestos removal. Exterior balconies will allow for a new exterior entrance to each room. Convert first floor of the barracks to company operations and supply. Install an intrusion detection system (IDS). Supporting facilities include utilities; electric service; fire protection and alarm systems; paving, walks, curbs and gutters; pavilions; storm drainage; information systems; and site improvements. Heating will be provided by gas-fired self-contained units and air conditioning (565 tons) will be provided by central energy systems. Transition maintenance for a one year period is included.							
11. REQUIREMENT: 17,576 PN ADEQUATE: 9,112 PN SUBSTANDARD: 10,154 PN PROJECT: Modernize five barracks to meet Whole Barracks Renewal Program Standard. (Current Mission)							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Hood, Texas

4. PROJECT TITLE Whole Barracks Renewal	5. PROJECT NUMBER 22738
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REQUIREMENT: This project is required to continue modernizing existing barracks to provide adequate housing for 504 E1-E4 and 108 E5-E6 for a total of 612 enlisted personnel (720 maximum utilization). This project will replace utilities that are at the end of their economic life and provide a greatly improved quality-of-life environment for today's enlisted soldier. Significant shortfalls exist in company operations and supply space.

CURRENT SITUATION: There are 102 permanent barracks buildings on Fort Hood. The 37000 block consists of five barracks all of which are to be rebuilt. These barracks were constructed in FY 68 and FY 69 as troop billets and are now categorized as substandard, but may be made adequate. They include multiple person rooms and gang latrines with rapidly deteriorating mechanical, electrical and plumbing systems. The air conditioning system is inefficient and requires frequent repairs. The hot water system is unable to meet the demand at peak use times. These buildings are presently utilized at a total of 1,170 spaces. After rebuild, barracks capacity will be 144 spaces each, total 720 spaces. First floor space in barracks is currently being diverted for use as company level administrative purpose.

IMPACT IF NOT PROVIDED: If this project is not provided, outdated, inefficient utilities will continue to deteriorate. Current routine maintenance will not meet the heavy demands and major system failures will occur. Man hours expended for backlog maintenance and repair will continue to increase. Quality-of-life program goals for enlisted soldiers cannot be met without this barracks rebuild project. Also, shortfalls of company operations and supply requirements will continue to be met with diverted barracks space, resulting in inefficient administrative and storage capabilities.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
 - (a) Design Start Date..... JUN 1992
 - (b) Percent Complete As Of 01 January 93 (BDGT YR).. 35
 - (c) Percent Complete As Of 01 October 93 (PROG YR).. 100
 - (d) Design Complete Date..... OCT 1993

(2) Basis:

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Hood, Texas		
4. PROJECT TITLE Whole Barracks Renewal	5. PROJECT NUMBER 22738	
12. SUPPLEMENTAL DATA: (Continued)		
A. Estimated Design Data: (Continued)		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications..... 900		
(b) All Other Design Costs..... 90		
(c) Total Design Cost..... 990		
(d) Contract.....		
(e) In-house..... 990		
(4) Construction Start..... JAN 1994 month & year		
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>
IDS Equipment	OPA	1994 24
Info Sys - ISC	OPA	1994 47
		TOTAL 71

1. COMPONENT ARMY		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Fort Hood Texas				4. PROJECT TITLE Cold/Dry Storage Facility				
5. PROGRAM ELEMENT 22696A		6. CATEGORY CODE 432		7. PROJECT NUMBER 22976		8. PROJECT COST (\$000) Auth 13,400 Approp 13,400		
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>								10,832
Cold-Storage Warehouse					SF	109,896	86.60	(9,518)
Concrete Hardstand					SY	25,000	38.50	(963)
Drilled Piers					LF	5,500	45.00	(248)
Building Information Systems					LS	--	--	(103)
<u>SUPPORTING FACILITIES</u>								1,285
Electric Service					LS	--	--	(235)
Water, Sewer, Gas					LS	--	--	(192)
Paving, Walks, Curbs And Gutters					LS	--	--	(421)
Storm Drainage					LS	--	--	(9)
Site Imp(360) Demo(49)					LS	--	--	(409)
Information Systems					LS	--	--	(19)
ESTIMATED CONTRACT COST								12,117
CONTINGENCY PERCENT (5.00%)								606
SUBTOTAL								12,723
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								763
TOTAL REQUEST								13,486
TOTAL REQUEST (ROUNDED)								13,400
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(56)
10. Description of Proposed Construction								
Construct two standard-design cold/dry storage warehouse facilities including temperature and humidity controlled storage, drilled piers, administration, receiving and issuing areas, and general support areas. Install an intrusion detection system (IDS). Supporting facilities include utilities; electric service; security lighting; fire protection and alarm systems; access roads; vehicle maneuvering and parking areas; paving, walks, curbs and gutters; storm drainage; traffic signals; information systems; and site improvements. Access for the handicapped will be provided. Heating (gas-fired) and air conditioning (81 tons) will be provided by self-contained systems for the administration areas only. Demolish two buildings (19,143 SF) within the footprint.								
11. REQUIREMENT: 108,000 SF ADEQUATE: NONE SUBSTANDARD: 96,285 SF								
PROJECT: Construct two standard-design cold/dry storage warehouse facilities. (Current Mission)								
REQUIREMENT: This project was programmed before the Base Realignment and Closure (BRAC) 91 initiative as necessary to provide support for all units then identified at Fort Hood. It is especially needed now as a result of the 2d Armored Division (formerly the 5th Mechanized Infantry Division) being								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Hood, Texas		
4. PROJECT TITLE Cold/Dry Storage Facility	5. PROJECT NUMBER 22976	
<p><u>REQUIREMENT:</u> (CONTINUED)</p> <p>relocated to Fort Hood as part of BRAC. This added division will place additional demands on this installation's ability to provide adequate subsistence support using existing inadequate facilities. The Department of Defense requires installations to maintain a 30-day supply of perishable foods. The lack of adequate cold storage requires large quantities of ice for perishable meats and vegetables from May through September each year to support the additional requirements of summer training periods. The proposed facilities must also provide adequate, secure storage for a 15-day supply of non-perishable food (A-Rations, T-Rations, and Meals Ready to Eat (MRE) Rations). Fort Hood has a requirement to store 1,019 pallets of dry MREs and 5,431 pallets of dry T-Rations.</p> <p><u>CURRENT SITUATION:</u> The Troop Issue Subsistence Activity (TISA) operates from both North Fort Hood (NFH) and South Fort Hood (SFH). Operations are conducted from five general purpose warehouses and one cold storage warehouse. The cold storage on SFH is in a state of advanced deterioration. The average loss of freon from the worn out refrigeration equipment is 3,000 pounds a year. Constant repairs require dedication of maintenance personnel. Because of the repeated breakdowns, rented refrigerated vans are used to store ice for perishable foods. Unsanitary conditions from mildew and bird feces have resulted in numerous health violations. The physical condition of the building has created serious safety concerns. Floors and docks are structurally inadequate, and foundation cracking and failures have limited the use of material handling equipment. NFH has no space specifically designed for dry storage warehousing and the cold storage warehouse was condemned in August 1989. NFH cold storage requirement is supported from SFH located 20 miles away. During the summer training period, NFH must augment this support by renting refrigerated vans from which to issue food. All five of the general purpose warehouses being used for dry storage are World War II temporary, wooden structures with inherent problems such as: mildew, cracked plaster, no insulation, broken door seals, bulging walls, and settling foundations. The need for consolidating TISA operations at two locations (NFH and SFH) remains. The 2d Division and other activities in garrison are supported at the SFH TISA operation. The NFH operation supports the 2d Division's field training and other training conducted in the north area.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, inadequate facilities will continue to expose warehouse personnel to significant safety hazards and military personnel to health risks from contaminated foods. Failure of the existing facility would virtually end or drastically curtail training and mission readiness for the entire installation. Continued dependence upon facilities which are improperly designed for current food handling equipment, undersized for current needs and impossible to sanitize, will perpetuate high food-handling labor costs and high exposure of employees and soldiers to illness and injury.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical</p>		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Hood, Texas

4. PROJECT TITLE Cold/Dry Storage Facility	5. PROJECT NUMBER 22976
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ADDITIONAL: (CONTINUED)
 security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
 - (a) Design Start Date..... SEP 1991
 - (b) Percent Complete As Of 01 January 93 (BDGT YR).. 50
 - (c) Percent Complete As Of 01 October 93 (PROG YR).. 100
 - (d) Design Complete Date..... JUL 1993

- (2) Basis:
 - (a) Standard or Definitive Design - (YES/NO) **Y**
 - (b) Where Design Was Most Recently Used
Fort McCoy

- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 465
 - (b) All Other Design Costs..... 185
 - (c) Total Design Cost..... 650
 - (d) Contract..... 185
 - (e) In-house..... 465

- (4) Construction Start..... JAN 1994
month & year

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Hood, Texas		
4. PROJECT TITLE Cold/Dry Storage Facility	5. PROJECT NUMBER 22976	
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>
IDS Equipment	OPA	1994 41
Info Sys - ISC	OPA	1994 15
		TOTAL 56

1. COMPONENT ARMY	FY 1994	MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION Fort Hood Texas	4. PROJECT TITLE Tactical Equipment Shop
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5. PROGRAM ELEMENT 22696A	6. CATEGORY CODE 214	7. PROJECT NUMBER 31241	8. PROJECT COST (\$000) Auth 5,300 Approp 5,300
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9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY				3,806
Vehicle Maintenance Facility	SF	15,550	89.71	(1,395)
Warehouse	SF	26,075	50.91	(1,327)
Sentry Station	SF	32	374.40	(12)
POL Storage Building	SF	355	84.83	(30)
Hardstand	SY	28,000	36.00	(1,008)
Building Information Systems	LS	---	---	(34)
SUPPORTING FACILITIES				993
Electric Service	LS	---	---	(159)
Water, Sewer, Gas	LS	---	---	(331)
Paving, Walks, Curbs And Gutters	LS	---	---	(219)
Storm Drainage	LS	---	---	(22)
Site Imp(193) Demo()	LS	---	---	(193)
Information Systems	LS	---	---	(69)
ESTIMATED CONTRACT COST				4,799
CONTINGENCY PERCENT (5.00%)				240
SUBTOTAL				5,039
SUPERVISION, INSPECTION & OVERHEAD (6.00%)				302
TOTAL REQUEST				5,341
TOTAL REQUEST (ROUNDED)				5,300
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS				(11)

10. Description of Proposed Construction Construct a standard-design tactical equipment shop with scheduled maintenance facilities, a warehouse and storage facility, sentry station, roadway extension, and vehicle hardstand. Supporting facilities include utilities, electric service, security lighting and fencing, parking, curbs and gutters, access roads and extensions, fire protection and alarm systems, storm drainage, information systems, and site improvements. Access for the handicapped will be provided. Heating will be provided by gas-fired self-contained systems. Air conditioning (20 tons) will be provided for the office space and electronic repair areas.

11. **REQUIREMENT:** 1,963,984 SF **ADEQUATE:** 1,011,511 SF **SUBSTANDARD:** 445,101 SF
PROJECT: Construct a standard-design tactical equipment shop and warehouse. (Current Mission)
REQUIREMENT: This project will provide permanent facilities for Test and Experimentation Command (TEXCOM) organization located at West Fort Hood, Texas. This project is required to provide TEXCOM with one tactical equipment maintenance facility and warehouse and storage facility. These facilities will supplement existing TEXCOM assets to include a research and development and headquarters building, administrative facilities and a warehouse and motor

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993						
3. INSTALLATION AND LOCATION Fort Hood, Texas								
4. PROJECT TITLE Tactical Equipment Shop	5. PROJECT NUMBER 31241							
<p><u>REQUIREMENT:</u> (CONTINUED)</p> <p>pool area. This project will support a portion of the military and civilian personnel assigned to TEXCOM. The tactical equipment shop will be used for the maintenance and storage of over 133 essential tactical vehicles and equipment. The warehouse facility will replace the use of ten earth-covered ammunition bunkers as storage and supply for TEXCOM. These ammunition storage facilities will be re-allocated for use by the Corps Support Command (COSCOM) ammunition supply point function.</p> <p><u>CURRENT SITUATION:</u> There are no tactical equipment shops available to support this organization's requirement. West Fort Hood is located approximately five miles from the main cantonment area. Existing tactical equipment shops at West Fort Hood are substandard and occupied above maximum capacity by TEXCOM and the 504th Military Intelligence (MI) Brigade. The one permanent maintenance facility supports the 504th MI Brigade's Aerial Exploitation Battalion (15th MI Battalion) ground support vehicles. Fort Hood currently has 51 percent of required base-wide tactical equipment shops and only 12 percent of required permanent warehouse facilities. Shortfalls in both categories are overcome by the continued use of World War II wood facilities and double occupancy of existing adequate facilities. No other Fort Hood facilities are available which can support this organization's test and experimentation requirements.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, inefficient performance of maintenance and extended repair periods of test vehicles and equipment will continue. Test vehicles and equipment associated with the reconsolidation of the Test Directorate (Worldwide) to Fort Hood will lack adequate maintenance facilities. Lack of shops will have an adverse impact on the operational testing at TEXCOM.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>								
<p>12. <u>SUPPLEMENTAL DATA:</u></p> <p>A. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Design Start Date.....</td> <td>JAN 1991</td> </tr> <tr> <td>(b) Percent Complete As Of 01 January 93 (BDGT YR)..</td> <td>50</td> </tr> <tr> <td>(c) Percent Complete As Of 01 October 93 (PROG YR)..</td> <td>100</td> </tr> </table>			(a) Design Start Date.....	JAN 1991	(b) Percent Complete As Of 01 January 93 (BDGT YR)..	50	(c) Percent Complete As Of 01 October 93 (PROG YR)..	100
(a) Design Start Date.....	JAN 1991							
(b) Percent Complete As Of 01 January 93 (BDGT YR)..	50							
(c) Percent Complete As Of 01 October 93 (PROG YR)..	100							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Hood, Texas

4. PROJECT TITLE Tactical Equipment Shop	5. PROJECT NUMBER 31241
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12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)
 (d) Design Complete Date..... AUG 1993

(2) Basis:
 (a) Standard or Definitive Design - (YES/NO) N
 (b) Where Design Was Most Recently Used

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

(a) Production of Plans and Specifications.....	<u>236</u>
(b) All Other Design Costs.....	<u>106</u>
(c) Total Design Cost.....	<u>342</u>
(d) Contract.....	<u> </u>
(e) In-house.....	<u>342</u>

(4) Construction Start..... JAN 1994
 month & year

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	1994	11
		TOTAL	<u>11</u>

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Fort Hood Texas			4. PROJECT TITLE Test and Evaluation Support Facility					
5. PROGRAM ELEMENT 22696A		6. CATEGORY CODE 610	7. PROJECT NUMBER 33947		8. PROJECT COST (\$000) Auth 5,200 Approp 5,200			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY								4,027
Test Support Facility					SF	26,900	86.12	(2,317)
Warehouse					SF	24,000	54.46	(1,307)
Hardstand					SY	10,000	35.00	(350)
Building Information Systems					LS	--	--	(53)
SUPPORTING FACILITIES								660
Electric Service					LS	--	--	(37)
Water, Sewer, Gas					LS	--	--	(40)
Paving, Walks, Curbs And Gutters					LS	--	--	(355)
Storm Drainage					LS	--	--	(31)
Site Imp(140) Demo()					LS	--	--	(140)
Information Systems					LS	--	--	(57)
ESTIMATED CONTRACT COST								4,687
CONTINGENCY PERCENT (5.00%)								234
SUBTOTAL								4,921
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								295
TOTAL REQUEST								5,216
TOTAL REQUEST (ROUNDED)								5,200
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(122)
10. Description of Proposed Construction Construct a test support facility. Project includes administrative, instrumentation, and engineering areas; hardstand; conference rooms; break rooms; storage; and a separate structure for a warehouse. Supporting facilities include utilities; electric service; parking; security fencing and lighting; paving, walks, curbs and gutters; storm drainage; access roads; fire protection and alarm systems; information systems; and site improvements. Access for the handicapped will be provided. Heating will be provided by self-contained gas-fired systems. Air conditioning (85 tons) will be provided by a self-contained system.								
11. REQUIREMENT: 173,450 SF ADEQUATE: 146,550 SF SUBSTANDARD: 7,960 SF PROJECT: Construct a test support facility. (Current Mission) REQUIREMENT: This project is required to provide permanent facilities that will be used by the Test and Experimentation Command (TEXCOM) for administrative purposes only. These facilities will supplement existing TEXCOM assets of a modern research and development and headquarters building, administrative facilities, and semi-permanent warehouse/motor pool area. This project will support the 402 military and civilian personnel assigned to TEXCOM. The new facilities will be used to perform tests and evaluations of								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Hood, Texas

4. PROJECT TITLE Test and Evaluation Support Facility	5. PROJECT NUMBER 33947
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REQUIREMENT: (CONTINUED)
new equipment and materials for the armed forces. The new warehouse facility will be used to house highly technical test equipment currently stored in inadequate earth-covered ammunition bunkers. This project has been reviewed in light of the Department of Defense (DOD) proposal to inactivate certain units and is still required at the stated scope.

CURRENT SITUATION: Fort Hood has an overall shortage of administrative space due to the requirements of the relocation of the 2d Armored Division (formerly the 5th Infantry Division). Specific to this project, administrative facilities at West Fort Hood are inadequate to support TEXCOM's mission to test and evaluate new equipment and materials. West Fort Hood is approximately five miles from the main cantonment area. Existing facilities are occupied above maximum capacity and temporary, substandard facilities augment TEXCOM's shortfalls.

IMPACT IF NOT PROVIDED: If this project is not provided, highly technical electronic test equipment associated with the reconsolidation of the Test Directorate (Worldwide) to Fort Hood (2,000 items) valued over \$50 million will be improperly stored, resulting in security and temperature problems. Performance will impact on the operational readiness of this command.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
 - (a) Design Start Date..... JAN 1991
 - (b) Percent Complete As Of 01 January 93 (BDGT YR).. 100
 - (c) Percent Complete As Of 01 October 93 (PROG YR).. 100
 - (d) Design Complete Date..... DEC 1992

- (2) Basis:
 - (a) Standard or Definitive Design - (YES/NO) N
 - (b) Where Design Was Most Recently Used

- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
 - (a) Production of Plans and Specifications..... 231

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Hood, Texas		
4. PROJECT TITLE Test and Evaluation Support Facility	5. PROJECT NUMBER 33947	
12. <u>SUPPLEMENTAL DATA:</u> (Continued)		
A. Estimated Design Data: (Continued)		
(b) All Other Design Costs.....	_____	<u>104</u>
(c) Total Design Cost.....	_____	<u>335</u>
(d) Contract.....	_____	_____
(e) In-house.....	_____	<u>335</u>
(4) Construction Start.....		<u>JAN 1994</u> month & year
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	1994 122
		TOTAL <u>122</u>

1. COMPONENT ARMY		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Hood Texas				4. PROJECT TITLE Close Combat Tactical Trainer Facility			
5. PROGRAM ELEMENT 22696A		6. CATEGORY CODE 171		7. PROJECT NUMBER 37014		8. PROJECT COST (\$000) Auth 7,500 Approp 7,500	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY							4,783
Regional A/L Battle Emulation Hardstand				SF	43,800	95.25	(4,172)
Tank Trail				SY	9,600	25.82	(248)
Emergency Generator				SY	6,000	44.98	(270)
EMCS Connection				EA	1	26,000	(26)
Building Information Systems				LS	---	---	(5)
				LS	---	---	(62)
SUPPORTING FACILITIES							1,941
Electric Service				LS	---	---	(510)
Water, Sewer, Gas				LS	---	---	(685)
Paving, Walks, Curbs And Gutters				LS	---	---	(221)
Storm Drainage				LS	---	---	(196)
Site Imp(298) Demo()				LS	---	---	(298)
Information Systems				LS	---	---	(31)
ESTIMATED CONTRACT COST							6,724
CONTINGENCY PERCENT (5.00%)							336
SUBTOTAL							7,060
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							424
TOTAL REQUEST							7,484
TOTAL REQUEST (ROUNDED)							7,500
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(15,004)
10. Description of Proposed Construction Construct a Regional Air/Land Battle Emulation Complex (RALBEC) to accommodate a Close Combat Tactical Trainer (CCTT) with 38 fixed tactical vehicle modules. Infrastructure development in this project will support future requirement of a subsequent tactical trainer fielding phase. This development includes utilities, road network, paving of adjacent tank trails and marshalling areas, gross site preparation, and drainage for the entire complex. The follow-on fielding of an additional company set of trainers will generate comparable utility loads and facility requirements as those in this initial phase. This project includes classrooms, briefing/debriefing area, current "state-of-the-art" audiovisual training rooms; administrative office space; storage areas for general, secure, and sensitive materials; spare parts, tool storage, repair and maintenance shop area; emergency generator; energy monitoring and control system (EMCS) tie in; computer floor; hardstand; and loading docks. Supporting facilities include utilities; electric service; security lighting, fencing and gates; paving, walks, curbs and gutters; parking; access road; storm drainage; information systems; and site improvements. Access for the handicapped will be provided. Heating (gas-fired) and air conditioning (175 tons) will be provided by self-contained systems.							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Hood, Texas		
4. PROJECT TITLE Close Combat Tactical Trainer Facility	5. PROJECT NUMBER 37014	
<p>11. <u>REQUIREMENT:</u> 43,800 SF ADEQUATE: NONE SUBSTANDARD: NONE</p> <p><u>PROJECT:</u> Construct a Regional Air/Land Battle Emulation Complex. (New Mission)</p> <p><u>REQUIREMENT:</u> This project is required to provide the initial facility of a two-facility complex to support the combined arms tactical training system. This facility will contain the primary training facility and equipment to provide a system to train and sustain individual and collective (crew through company task force) tasks and skills in command and control, communications, and maneuver, and to integrate the function of combat support and combat service support units. This is accomplished by using a group of fully interactive networked emulators and command, control and communications work stations, replicating the vehicles and weapons systems of a mechanized infantry or armor battalion task force and its supporting combat, combat support, and combat service support elements, operating on an emulated real-time battlefield. The development and acquisition of the CCTT is in the final stages. A facility must be provided in a timely manner to allow installation and testing of the first CCTT with initial operational capability scheduled in October 1996. The follow-on facility will expand the CCTT training capabilities to support a second company trainer system set. This subsequent phase (Project Number 40624) has yet to be programmed. The site selected for this complex is sufficient to accommodate the trainers currently being developed and the addition of future trainers and emulators.</p> <p><u>CURRENT SITUATION:</u> This is a new Army/Department of Defense initiative; therefore, no facilities or equipment exist at Fort Hood that can provide or house this training system. Training of the individual to properly respond within the combined arms team is the keystone that will be emphasized and developed with this family of systems. Adequate existing facilities to support this mission are not available for this developing family of systems. Currently, tactical combined arms training is achieved by using tactical vehicles and soldiers in field training exercises. This method of training is expensive and equipment intensive, which reduces the operational life of the tactical equipment. Use of the combined arms tactical trainers provides an alternative to the use of tactical field exercises as the sole means to achieve totally trained forces.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, use of field exercise training events to train the soldier will continue. The present system of training is costly and relies on a diminishing base for funds and resources required for its support. As competition for funds intensifies, lower cost alternatives to augment and enhance field training must be developed. Continued use of "field" exercises places a high degree of wear on combat equipment for which funding is becoming more difficult to obtain. The use of a close combat tactical trainer system provides a highly effective training method at a lower cost, giving the Army tactical superiority in the battlefield environment. The emergency generator is required to operate the</p>		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Hood, Texas		
4. PROJECT TITLE Close Combat Tactical Trainer Facility	5. PROJECT NUMBER 37014	
<p><u>IMPACT IF NOT PROVIDED:</u> (CONTINUED) lift station in order to keep raw sewage from backing up into a local creek in event of power failure, causing environmental pollution and possible \$25,000/day fines.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		
12. <u>SUPPLEMENTAL DATA:</u>		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	<u>JUL 1992</u>	
(b) Percent Complete As Of 01 January 93 (BDGT YR)..	<u>40</u>	
(c) Percent Complete As Of 01 October 93 (PROG YR)..	<u>100</u>	
(d) Design Complete Date.....	<u>AUG 1993</u>	
(2) Basis:		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....	<u>383</u>	
(b) All Other Design Costs.....	<u>67</u>	
(c) Total Design Cost.....	<u>450</u>	
(d) Contract.....	<u>400</u>	
(e) In-house.....	<u>50</u>	
(4) Construction Start.....		
		<u>JAN 1994</u>
month & year		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993																
3. INSTALLATION AND LOCATION Fort Hood, Texas																		
4. PROJECT TITLE Close Combat Tactical Trainer Facility	5. PROJECT NUMBER 37014																	
<p>12. SUPPLEMENTAL DATA: (CONTINUED)</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table border="1"> <thead> <tr> <th data-bbox="305 619 495 682"><u>Equipment Nomenclature</u></th> <th data-bbox="784 619 991 682"><u>Procuring Appropriation</u></th> <th data-bbox="1181 588 1379 682"><u>Fiscal Year Appropriated Or Requested</u></th> <th data-bbox="1420 619 1511 682"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td data-bbox="272 714 512 745">TRAINING DEVISE</td> <td data-bbox="809 714 883 745">NTSC</td> <td data-bbox="1197 714 1263 745">1994</td> <td data-bbox="1420 714 1511 745">15,000</td> </tr> <tr> <td data-bbox="272 745 495 777">Info Sys - ISC</td> <td data-bbox="809 745 867 777">OPA</td> <td data-bbox="1197 745 1263 777">1994</td> <td data-bbox="1495 745 1511 777">4</td> </tr> <tr> <td colspan="3" data-bbox="1214 808 1296 840" style="text-align: right;">TOTAL</td> <td data-bbox="1420 808 1511 840" style="border-top: 1px solid black;">15,004</td> </tr> </tbody> </table>			<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>	TRAINING DEVISE	NTSC	1994	15,000	Info Sys - ISC	OPA	1994	4	TOTAL			15,004
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>															
TRAINING DEVISE	NTSC	1994	15,000															
Info Sys - ISC	OPA	1994	4															
TOTAL			15,004															

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Sam Houston Texas			4. COMMAND US Army Forces Command			5. AREA CONSTRUCTION COST INDEX 0.88	
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		1642	2954	4258	1071	5515	44
B. END FY 1999		1473	2558	4339	997	3503	36
						133	138
						2660	18,415
						133	166
						3164	16,369
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....	3,159 AC						
B. INVENTORY TOTAL AS OF 30 SEP 1992.....				931,527			
C. AUTHORIZATION NOT YET IN INVENTORY.....				0			
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....				4,351			
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....				0			
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....				60,450			
G. REMAINING DEFICIENCY.....				14,480			
H. GRAND TOTAL.....				1,010,808			
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
730	5118	Multi-Purpose Family Service Center		4,351	07/1992	09/1993	
				TOTAL	4,351		
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE	PROJECT TITLE		(\$000)				
A. INCLUDED IN THE FY 1995 PROGRAM: NONE							
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
<p>Command and control Fort Sam Houston, its sub-installations and assigned or attached FORSCOM units or activities; provide support to activities within its geographical support area. Major activities on Fort Sam Houston include: HQ, Fifth U.S. Army; HQ, Health Services Command; AMEDD Center and School; Brooke Army Medical Center; and HQ 5th Recruiting Brigade. Camp Bullis sub-installation, in addition to its function as a reserve component training site, serves as a range and maneuver training area for active component AMEDD Center and School, Fort Sam Houston; 3287th Technical Squadron, Lackland AFB; and numerous units from Fort Hood.</p>							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Fort Sam Houston Texas										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table> <thead> <tr> <th></th> <th style="text-align: right;">(\$000)</th> </tr> </thead> <tbody> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </tbody> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Fort Sam Houston Texas				4. PROJECT TITLE Multi-Purpose Family Service Center				
5. PROGRAM ELEMENT 22696A		6. CATEGORY CODE 730	7. PROJECT NUMBER 5118		8. PROJECT COST (\$000) Auth 4,351 Approp 4,351			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY								3,388
Army Chapel					SF	19,940	111.25	(2,218)
Child Development Center					SF	8,190	100.17	(820)
Unusual Foundation					LS	--	--	(190)
Playground w/Equip, Shed & Fence					LS	--	--	(117)
Building Information Systems					LS	--	--	(43)
SUPPORTING FACILITIES								522
Electric Service					LS	--	--	(83)
Water, Sewer, Gas					LS	--	--	(67)
Paving, Walks, Curbs And Gutters					LS	--	--	(181)
Storm Drainage					LS	--	--	(25)
Site Imp(56) Demo()					LS	--	--	(56)
Information Systems					LS	--	--	(110)
ESTIMATED CONTRACT COST								3,910
CONTINGENCY PERCENT (5.00%)								195
SUBTOTAL								4,105
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								246
TOTAL REQUEST								4,351
TOTAL REQUEST (ROUNDED)								4,351
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(12)
10. Description of Proposed Construction Construct a standard-design Army chapel with integral activity center for family counseling and a standard-design child development center (CDC), with raft/mat foundation. Supporting facilities include utilities; electric service; exterior lighting; fire protection and alarm systems; paving, walks, curbs and gutters; parking; access roads; storm drainage; information systems; and site improvements. Access for the handicapped will be provided. Heating (gas-fired) and air conditioning (130 tons) will be provided by self-contained systems.								
11. <u>REQUIREMENT:</u> 63,104 SF ADEQUATE: 34,974 SF SUBSTANDARD: 25,226 SF								
<u>PROJECT:</u> Construct a standard-design Army chapel with activity center and a standard-design child development center (99-child capacity). (Current Mission)								
<u>REQUIREMENT:</u> This project is required to meet the pressing needs of the northeast portion of Fort Sam Houston which is near the Watkins Terrace junior enlisted housing and the Fort Sam Houston National Cemetery. This will be a joint use facility for the Directorate of Personnel and Community Activities (DPCA) and the Post Chapel. The chapel and activity center are required to provide services such as family and individual counseling, parent skills								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Sam Houston, Texas

4. PROJECT TITLE Multi-Purpose Family Service Center	5. PROJECT NUMBER 5118
--	----------------------------------

REQUIREMENT: (CONTINUED)
workshop, stress management workshops for families and group workshops for families with medical crisis. This chapel will serve the junior enlisted personnel in the Watkins Terrace housing area and the military families in the civilian apartments. The need for family counseling near this housing area is critical during family crises, a very common occurrence within the junior enlisted families. There are no alternate facilities on or off the installation which could be used to satisfy this requirement.

CURRENT SITUATION: Watkins Terrace is a junior enlisted housing area located approximately five miles from the central post area and as a result is considered a separate part of Fort Sam Houston (FSH) installation. This area has approximately 1,125 residents with 225 children of child-care age. It also has the highest rate of family disturbances on post. This is an indicator of the urgent need for a family life program at this location. The chapel supporting this area was demolished in 1977 due to structural failure. Other chapels are five miles away and housed in temporary wooden buildings of the World War II era. They do not provide the comfort nor the atmosphere appropriate for their use as chapels. They are not insulated, the utilities are all antiquated, and they do not meet fire and safety codes for an assembly building. In 1998, FSH is projected to have 1,100 children of child-care age. This number is in accordance with the Army Stationing and Installation Plan (ASIP). Currently there are 303 child-care spaces available at FSH. Many families must use higher cost off-post child care facilities due to the lack of spaces on-post. The waiting list for on-post child care was 265 as of September 1992. Even with programmed strength reductions, the list is expected to remain above 200.

IMPACT IF NOT PROVIDED: If this project is not provided, chapel services and religious instruction will remain inaccessible to many junior enlisted families in Watkins Terrace, and morale and welfare will continue to deteriorate without the stabilizing presence of a chaplain. The religious education program will be cut by 40 percent because present religious education facilities are committed for disposal against the new child care and religious education center. Child care for the installation will suffer if the project is not completed; soldiers will have to find more costly child care in the civilian community, if available. It is projected that 200 children will still be on the waiting list for child care in 1993.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that will meet

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993																																		
3. INSTALLATION AND LOCATION Fort Sam Houston, Texas																																				
4. PROJECT TITLE Multi-Purpose Family Service Center	5. PROJECT NUMBER 5118																																			
<p>ADDITIONAL: (CONTINUED)</p> <p>operational requirements. Consequently, a full economic analysis was not performed.</p>																																				
<p>12. SUPPLEMENTAL DATA:</p> <p>A. Estimated Design Data:</p> <p>(1) Status:</p> <table style="width:100%; border: none;"> <tr> <td style="padding-left: 20px;">(a) Design Start Date.....</td> <td style="text-align: right;">JUL 1992</td> </tr> <tr> <td style="padding-left: 20px;">(b) Percent Complete As Of 01 January 93 (BDGT YR) ..</td> <td style="text-align: right;">35</td> </tr> <tr> <td style="padding-left: 20px;">(c) Percent Complete As Of 01 October 93 (PROG YR) ..</td> <td style="text-align: right;">100</td> </tr> <tr> <td style="padding-left: 20px;">(d) Design Complete Date.....</td> <td style="text-align: right;">SEP 1993</td> </tr> </table> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design - (YES/NO) Y</p> <p>(b) Where Design Was Most Recently Used</p> <p>(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)</p> <table style="width:100%; border: none;"> <tr> <td style="padding-left: 20px;">(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">250</td> </tr> <tr> <td style="padding-left: 20px;">(b) All Other Design Costs.....</td> <td style="text-align: right;">185</td> </tr> <tr> <td style="padding-left: 20px;">(c) Total Design Cost.....</td> <td style="text-align: right;">435</td> </tr> <tr> <td style="padding-left: 20px;">(d) Contract.....</td> <td style="text-align: right;">72</td> </tr> <tr> <td style="padding-left: 20px;">(e) In-house.....</td> <td style="text-align: right;">363</td> </tr> </table> <p>(4) Construction Start..... JUN 1994 month & year</p> <p>B. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width:100%; border: none;"> <thead> <tr> <th style="text-align: left;"><u>Equipment Nomenclature</u></th> <th style="text-align: left;"><u>Procuring Appropriation</u></th> <th style="text-align: left;"><u>Fiscal Year Appropriated Or Requested</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Info Sys - ISC</td> <td>OPA</td> <td>1994</td> <td style="text-align: right;">9</td> </tr> <tr> <td>Info Sys - PROP</td> <td>OPA</td> <td>1994</td> <td style="text-align: right;">3</td> </tr> <tr> <td></td> <td></td> <td style="text-align: right;">TOTAL</td> <td style="text-align: right; border-top: 1px solid black;">12</td> </tr> </tbody> </table>			(a) Design Start Date.....	JUL 1992	(b) Percent Complete As Of 01 January 93 (BDGT YR) ..	35	(c) Percent Complete As Of 01 October 93 (PROG YR) ..	100	(d) Design Complete Date.....	SEP 1993	(a) Production of Plans and Specifications.....	250	(b) All Other Design Costs.....	185	(c) Total Design Cost.....	435	(d) Contract.....	72	(e) In-house.....	363	<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>	Info Sys - ISC	OPA	1994	9	Info Sys - PROP	OPA	1994	3			TOTAL	12
(a) Design Start Date.....	JUL 1992																																			
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Info Sys - PROP	OPA	1994	3																																	
		TOTAL	12																																	

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION APPROPRIATION		PAGE
			REQUEST	REQUEST	
Utah		Dugway Proving Ground (AMC)			247
	16299	Life Sciences Test Facility	16,500	16,500	249
		Subtotal For Dugway Proving Ground PART I	\$ 16,500	16,500	
		Tooele Army Depot (AMC)			253
	40537	Treaty Verification Facility	1,500	1,500	255
		Subtotal For Tooele Army Depot PART I	\$ 1,500	1,500	
		* TOTAL MCA FOR Utah	\$ 18,000	18,000	

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993					
3. INSTALLATION AND LOCATION Dugway Proving Ground Utah			4. COMMAND US Army Materiel Command			5. AREA CONSTRUCTION COST INDEX 1.00					
6. PERSONNEL STRENGTH:											
			PERMANENT			STUDENTS			SUPPORTED		
			OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	TOTAL
A. AS OF 30 SEP 1992			43	109	800	0	0	0	1	1	568
B. END FY 1999			35	91	745	0	0	0	1	0	673
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE.....			802,724 AC								
B. INVENTORY TOTAL AS OF 30 SEP 1992.....			409,191								
C. AUTHORIZATION NOT YET IN INVENTORY.....			0								
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....			16,500								
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....			0								
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....			0								
G. REMAINING DEFICIENCY.....			15,650								
H. GRAND TOTAL.....			441,341								
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:											
CATEGORY PROJECT						COST		DESIGN STATUS			
CODE	NUMBER	PROJECT TITLE				(\$000)	START	COMPLETE			
319	16299	Life Sciences Test Facility				16,500	11/1990	02/1994			
					TOTAL		16,500				
9. FUTURE PROJECTS:											
CATEGORY						COST					
CODE	PROJECT TITLE				(\$000)						
A. INCLUDED IN THE FY 1995 PROGRAM:		NONE									
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY):		NONE									
10. MISSION OR MAJOR FUNCTIONS:											
a. Test and Evaluation: 1. Plan, conduct, evaluate and report the results of developmental type tests, following integrated testing cycle policies, to assess the military value of chemical warfare and biological defense systems (CW/BO), and flame incendiary and smoke obscurant systems. 2. Provide advice, guidance and support to material developers, material producers, other armed forces components, and to private industry. 3. Conduct additional testing and evaluation as directed by the Commanding General, TECOM.											

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Dugway Proving Ground Utah										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table data-bbox="189 436 1073 563"> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT ARMY		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Dugway Proving Ground Utah				4. PROJECT TITLE Life Sciences Test Facility			
5. PROGRAM ELEMENT 65601A		6. CATEGORY CODE 319		7. PROJECT NUMBER 16299		8. PROJECT COST (\$000) Auth 16,500 Approp 16,500	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							14,111
Life Sciences Laboratory				SF	32,000	351.69	(11,254)
Aerosol Chamber				LS	--	--	(2,025)
Emergency Generator				KW	400	422.50	(169)
IDS Installation				LS	--	--	(76)
Sewage Lagoon				KG	8	37,500	(300)
Building Information Systems				LS	--	--	(287)
<u>SUPPORTING FACILITIES</u>							605
Electric Service				LS	--	--	(67)
Water, Sewer, Gas				LS	--	--	(75)
Paving, Walks, Curbs, And Gutter				LS	--	--	(66)
Site Imp(92) Demo(40)				LS	--	--	(132)
Information Systems				LS	--	--	(214)
UG Fuel Storage/Pump & Piping				LS	--	--	(51)
ESTIMATED CONTRACT COST							14,716
CONTINGENCY PERCENT (5.00%)							736
SUBTOTAL							15,452
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							927
TOTAL REQUEST							16,379
TOTAL REQUEST (ROUNDED)							16,500
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(237)
10. Description of Proposed Construction Construct a central test facility with areas for administrative and general laboratory support, and biological defense testing under strict containment. Special requirements include an aerosol chamber, incinerator, breathable air system, emergency generator, special ventilation to maintain directional airflow into containment suites, and a treatment system for contaminated liquid waste. Asbestos removal is required. Install an intrusion detection system (IDS). Supporting facilities include utilities; electric service; underground (UG) fuel storage; security fencing and gates; sewage pump station; paving, walks, curbs and gutters; information systems; and site improvements. Access for the handicapped will be provided for administrative areas only. Process steam will be provided by a self-contained oil-fired boiler. Heating and air conditioning will be provided by ground coupled heat pump. Non-laboratory area will be cooled by evaporative cooling. Demolish three buildings (2,260 SF) (within the footprint) with asbestos removal.							
11. REQUIREMENT: 32,000 SF ADEQUATE: NONE SUBSTANDARD: 60,332 SF PROJECT: Construct a Life Sciences Test (LST) facility. (Current Mission)							

1. COMPONENT	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		APRIL 1993

3. INSTALLATION AND LOCATION
 Dugway Proving Ground, Utah

4. PROJECT TITLE	5. PROJECT NUMBER
Life Sciences Test Facility	16299

EQUIREMENT: The Life Sciences Test Facility (LSTF) will be the Department of Defense (DOD) test center for the evaluation of biological defense material including biodetection, protection, and decontamination systems. This project is required to provide a facility complying with regulatory, statutory and environmental constraints and approved practices. Biological defense material will be evaluated in a contained laboratory setting using simulants and potential biological warfare agents. Safe testing of materials requiring bio-safety Level 3 containment is necessary. The extent of allowable testing is based on the bio-safety levels (four) as defined by the Centers for Disease Control/National Institutes of Health. The new facility will house and support the aerosol chamber.

CURRENT SITUATION: Existing laboratory testing and support facilities for biological defense and life sciences testing functions are located in a complex of 24 buildings constructed in the early 1950s. Dugway Proving Ground is the only Department of Defense materiel test site for all biological and chemical detection, decontamination and protective equipment, as well as smoke and obscurants. Facilities minimally meet current standards, but are significantly deteriorated from years of underfunding. These facilities are not economically repairable, and require constant high cost maintenance. Current activities require Bio-safety Level 3 testing. Facilities are not energy efficient and consume 13 percent of the total energy used at Dugway Proving Ground. No other DOD activity exists that has the facilities and/or capabilities to perform Dugway's mission in biological defense testing.

IMPACT IF NOT PROVIDED: If this project is not provided, continued facilities deterioration could force reversion to a bio-safety Level 2 test program, severely limiting laboratory practices. Interim upgrades have been made to the existing facilities which allow some Level 3 testing. However, these upgrades experience frequent breakdowns, compromising the ability to maintain a Level 3 program. If the Level 3 program cannot be maintained, testing of defensive materials against threat materials of a biological origin would have to be severely curtailed. This would raise questions as to the validity of the National Biological Safety Program and the defensive protection provided United States service members.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Dugway Proving Ground, Utah

4. PROJECT TITLE Life Sciences Test Facility	5. PROJECT NUMBER 16299
--	-----------------------------------

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
- (a) Design Start Date..... NOV 1990
 - (b) Percent Complete As Of 01 January 93 (BDGT YR).. 35
 - (c) Percent Complete As Of 01 October 93 (PROG YR).. 85
 - (d) Design Complete Date..... FEB 1994

(2) Basis:

- (a) Standard or Definitive Design - (YES/NO) **N**
- (b) Where Design Was Most Recently Used

- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
- (a) Production of Plans and Specifications..... 960
 - (b) All Other Design Costs..... 640
 - (c) Total Design Cost..... 1,600
 - (d) Contract..... 1,050
 - (e) In-house..... 550

- (4) Construction Start..... APR 1994
month & year

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>
IDS Equipment	RDT&E	1995	30
Lab Furniture	RDT&E	1995	147
Info Sys - ISC	OPA	1994	8
Info Sys - PROP	RDT&E	1994	53
		TOTAL	<u>238</u>

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1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993																																												
3. INSTALLATION AND LOCATION Tooele Army Depot Utah	4. COMMAND US Army Materiel Command	5. AREA CONSTRUCTION COST INDEX 1.02																																												
<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">6. PERSONNEL STRENGTH:</td> <td style="width:15%;">PERMANENT</td> <td colspan="4" style="width:20%;">STUDENTS</td> <td colspan="4" style="width:20%;">SUPPORTED</td> <td style="width:10%;"></td> </tr> <tr> <td></td> <td>OFFICER</td> <td>ENLIST</td> <td>CIVIL</td> <td>OFFICER</td> <td>ENLIST</td> <td>CIVIL</td> <td>OFFICER</td> <td>ENLIST</td> <td>CIVIL</td> <td>TOTAL</td> </tr> <tr> <td>A. AS OF 30 SEP 1992</td> <td>13</td> <td>25</td> <td>3254</td> <td>0</td> <td>0</td> <td>0</td> <td>2</td> <td>12</td> <td>92</td> <td>3,398</td> </tr> <tr> <td>B. END FY 1999</td> <td>12</td> <td>18</td> <td>2940</td> <td>0</td> <td>0</td> <td>0</td> <td>2</td> <td>15</td> <td>92</td> <td>3,079</td> </tr> </table>			6. PERSONNEL STRENGTH:	PERMANENT	STUDENTS				SUPPORTED						OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL	A. AS OF 30 SEP 1992	13	25	3254	0	0	0	2	12	92	3,398	B. END FY 1999	12	18	2940	0	0	0	2	15	92	3,079
6. PERSONNEL STRENGTH:	PERMANENT	STUDENTS				SUPPORTED																																								
	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL																																				
A. AS OF 30 SEP 1992	13	25	3254	0	0	0	2	12	92	3,398																																				
B. END FY 1999	12	18	2940	0	0	0	2	15	92	3,079																																				
7. INVENTORY DATA (\$000)																																														
A. TOTAL ACREAGE..... 24,735 AC																																														
B. INVENTORY TOTAL AS OF 30 SEP 1992..... 869,470																																														
C. AUTHORIZATION NOT YET IN INVENTORY..... 0																																														
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM..... 1,500																																														
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM..... 0																																														
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY)..... 0																																														
G. REMAINING DEFICIENCY..... 161,000																																														
H. GRAND TOTAL..... 1,031,970																																														
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:																																														
CATEGORY	PROJECT	COST	DESIGN STATUS																																											
CODE	NUMBER	PROJECT TITLE	(\$000)	START COMPLETE																																										
216	40537	Treaty Compliance Facility	1,500	06/1992 12/1992																																										
TOTAL			1,500																																											
9. FUTURE PROJECTS:																																														
CATEGORY		PROJECT TITLE	COST																																											
CODE			(\$000)																																											
A.	INCLUDED IN THE FY 1995 PROGRAM: NONE																																													
B.	PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE																																													
10. MISSION OR MAJOR FUNCTIONS:																																														
<p>The principal mission of Tooele Army Depot is to operate a supply and maintenance depot providing for the receipt, storage, issue, maintenance, and disposal of assigned commodities. Commodities include automotive, construction, rail and general equipment, missile systems, commodity groups, conventional and chemical munitions, and general supplies. Design, manufacture and testing of ammunition peculiar equipment also performed. Installation support to attached organizations and Depot Activities provided. Demilitarization of chemical agents carried out in a prototype plant.</p>																																														

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Tooele Army Depot Utah				4. PROJECT TITLE Treaty Verification Facility				
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 216	7. PROJECT NUMBER 40537		8. PROJECT COST (\$000) Auth 1,500 Approp 1,500			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>								1,217
Office/Storage Space					SF	1,680	291.00	(489)
Laboratory					SF	840	867.00	(728)
<u>SUPPORTING FACILITIES</u>								151
Electric Service					LS	--	--	(38)
Water, Sewer, Gas					LS	--	--	(45)
Paving, Walks, Curbs And Gutters					LS	--	--	(23)
Storm Drainage					LS	--	--	(8)
Site Imp(15) Demo()					LS	--	--	(15)
Information Systems					LS	--	--	(22)
ESTIMATED CONTRACT COST								1,368
CONTINGENCY PERCENT (5.00%)								68
SUBTOTAL								1,436
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								86
TOTAL REQUEST								1,522
TOTAL REQUEST (ROUNDED)								1,500
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(4,618)
10. Description of Proposed Construction Expand United States (US) Chemical Stockpile Disposal Program (CSDP) facilities to meet US obligations under the Draft Bilateral Protocol (26 March 1991) implementing the Agreement Between the United States of America and the Union of Soviet Socialist Republics on Destruction and Non-Production of Chemical Weapons and on Measures to Facilitate the Multilateral Convention Banning Chemical Weapons which was signed by President Bush and then President Gorbachev on 1 June 1990. Work includes constructing office/storage and laboratory space for use by non-US inspectors and their associated US escorts. Supporting facilities include utilities; electric service; fire protection and alarm systems; paving, walks, curbs and gutters; storm drainage; information systems; and site improvements. Heating and air conditioning size will be provided.								
11. <u>REQUIREMENT:</u> 2,520 SF ADEQUATE: NONE SUBSTANDARD: NONE								
<u>PROJECT:</u> Construct office and laboratory space which will be used by non-US chemical weapons destruction inspectors and their associated US On-Site Inspection Agency Escorts. (New Mission)								

1. COMPONENT	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
ARMY		APRIL 1993

3. INSTALLATION AND LOCATION
 Tooele Army Depot, Utah

4. PROJECT TITLE	5. PROJECT NUMBER
Treaty Verification Facility	40537

REQUIREMENT: This project is required to satisfy compliance requirements contained in the Draft Bilateral Protocol (26 March 1991). Specifically paragraph I.D.3(a)(ii) of the Draft Protocol requires the Inspected Party to provide work, office and storage space for the inspectors. According to the Arms Control and Disarmament Agency and the Assistant Secretary of Defense, Multilateral Negotiations, the inspector laboratory area is considered a special form of work space which must be provided by the Inspected Party. Inspector office space is provided diplomatic immunity and must therefore be separate from the escort office space. A maximum of 30 non-US inspectors and approximately 15 US escorts from the On-Site Inspection Agency, over a 24-hour period, will be involved with verifying the destruction of chemical weapons at US CSDP facilities. Destruction verification is expected to begin no earlier than March 1995 at the Johnston Atoll Chemical Agent Munition Disposal Systems (JACADS) and the Tooele Chemical Agent Disposal Facility (TOCDF). Inspection at the remaining US CSDP facilities will begin approximately three months before the start of toxic (chemical weapon destruction) operations.

CURRENT SITUATION: There are currently no provisions for inspector/escort office or laboratory space at US CSDP facilities. There is insufficient space at the disposal facility laboratory to accommodate inspector or US analysis of chemical agent samples or other treaty authorized analytical or monitoring procedures.

IMPACT IF NOT PROVIDED: If this project is not provided, the US will not be able to meet its obligations under the draft Bilateral and Multilateral chemical weapons Disarmament Agreements.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

- (a) Design Start Date..... JUN 1992
- (b) Percent Complete As Of 01 January 93 (BDGT YR).. 100
- (c) Percent Complete As Of 01 October 93 (PROG YR).. 100
- (d) Design Complete Date..... DEC 1992

(2) Basis:

- (a) Standard or Definitive Design - (YES/NO) Y

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Tooele Army Depot, Utah		
4. PROJECT TITLE Treaty Verification Facility	5. PROJECT NUMBER 40537	
12. SUPPLEMENTAL DATA: (Continued)		
A. Estimated Design Data: (Continued)		
(b) Where Design Was Most Recently Used Johnston Island		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....	72	
(b) All Other Design Costs.....	2	
(c) Total Design Cost.....	74	
(d) Contract.....	74	
(e) In-house.....		
(4) Construction Start..... OCT 1993 month & year		
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>
Analytical Equipment	OPA	1994 955
Analytical Equipment	OPA	1996 1,022
Analytical Equipment	OPA	1997 2,641
		TOTAL 4,618

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION APPROPRIATION		PAGE
			REQUEST	REQUEST	
Virginia		Fort Belvoir (MDW)			261
	9161	Operations Facility	860	860	263
		Subtotal For Fort Belvoir PART I	\$ 860	860	
		Fort Lee (TRADOC)			267
	2571	Whole Barracks Renewal	20,000	20,000	269
	2580	Applied Instruction Facility	12,600	12,600	272
		Subtotal For Fort Lee PART I	\$ 32,600	32,600	
		Fort Myer (MDW)			275
	33965	Whole Barracks Renewal	6,800	6,800	277
		Subtotal For Fort Myer PART I	\$ 6,800	6,800	
	* TOTAL MCA FOR Virginia	\$ 40,260	40,260		

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Belvoir Virginia			4. COMMAND US Army Military District of Washington			5. AREA CONSTRUCTION COST INDEX 1.05	
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		726	1932	5655	460	1237	332
B. END FY 1999		727	1711	5114	338	1082	489
					341	439	2105
					457	470	5995
							13,227
							16,383
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		8,656 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		1,591,639					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		860					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		0					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0					
G. REMAINING DEFICIENCY.....		122,568					
H. GRAND TOTAL.....		1,715,067					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
141	9161	Operations Facility		860	04/1992	06/1993	
				TOTAL	860		
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE	PROJECT TITLE		(\$000)				
A. INCLUDED IN THE FY 1995 PROGRAM:		NONE					
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY):		NONE					
10. MISSION OR MAJOR FUNCTIONS:							
Fort Belvoir is undergoing a transition from a "training" post to a "command and control" post. Formerly the home of the Engineer School, Fort Belvoir in the future will support a number of units, organizations, and activities moving from other locations within the National Capitol Region.							
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. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Fort Belvoir Virginia				4. PROJECT TITLE Operations Facility				
5. PROGRAM ELEMENT 91520A		6. CATEGORY CODE 141	7. PROJECT NUMBER 9161	8. PROJECT COST (\$000) Auth 860 Approp 860				
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY								675
Field Operations Building					SF	6,185	108.87	(673)
IDS Installation					LS	--	--	(1)
Building Information Systems					LS	--	--	(1)
SUPPORTING FACILITIES								94
Electric Service					LS	--	--	(13)
Water, Sewer, & Gas					LS	--	--	(10)
Paving, Walks, Curbs & Gutters					LS	--	--	(30)
Storm Drainage					LS	--	--	(5)
Site Imp(30) Demo()					LS	--	--	(30)
Information Systems					LS	--	--	(6)
ESTIMATED CONTRACT COST								769
CONTINGENCY PERCENT (5.00%)								38
SUBTOTAL								807
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								48
TOTAL REQUEST								855
TOTAL REQUEST (ROUNDED)								860
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(19)
10. Description of Proposed Construction Construct a standard-design, specialized Criminal Investigations Division Command (CIDC) field operations building. Project includes operational space; specialized mission support areas to include a polygraph suite with acoustic isolation and environmental controls, evidence repository with security requirements for storage of drug and perishable evidence, suspect isolation areas, duty agents' screening room, observation and interview areas with acoustic separation, photo identification and fingerprint room, issue supply area, storage, and supply and property maintenance areas. Install an intrusion detection system (IDS). Supporting facilities include utilities; electric service; paving, walks, curbs and gutters; parking; storm drainage; information systems; and site improvements. Access for the handicapped will be provided. Heating (oil-fired) and air conditioning (20 tons) will be provided by self-contained systems.								
11. REQUIREMENT: 6,185 SF ADEQUATE: NONE SUBSTANDARD: 7,722 SF PROJECT: Construct a standard-design specialized field operations building. (Current Mission)								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Belvoir, Virginia		
4. PROJECT TITLE Operations Facility	5. PROJECT NUMBER 9161	
<p><u>REQUIREMENT:</u> This project is required to provide adequate operating facilities for the 11 personnel working in a Resident Agency, a criminal investigative field office of the US Army Criminal Investigations Division Command (USACIDC). This organization requires a facility with special purpose space to perform its mission. Examples are a polygraph room and an evidence depository. No facilities on or off the installation can properly satisfy the requirement, and the currently used buildings need to be scheduled for demolition.</p> <p><u>CURRENT SITUATION:</u> The USACIDC activity at Fort Belvoir is a separate tenant activity that has occupied the same two temporary wooden structures since 1977 or earlier. These two structures were built in 1941 and 1942 as a troop barracks and a dining facility. Neither building has undergone major renovations since 1977 with the exception of the addition of air conditioners in 1986. These facilities do not meet current standards for a USACIDC Field Office. The lack of sufficient space, inadequate environmental factors (heat, light, and air conditioning), and insufficient buffered areas for CIDC operations has an increasingly detrimental impact on the criminal investigation mission to the point where the organization can no longer operate efficiently. Neither building is considered economical to heat, cool, nor maintain and will be demolished as soon as vacated.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the structure will remain functionally unchanged. Proper separation of victims, witnesses and suspects will continue to consume an inordinate amount of time. Suspects will be likely to see potential witnesses (informants), thus increasing the possibility that vital information will be withheld because confidentiality cannot be assured. Operational efficiency will continue to suffer because major activities are located where space permits rather than where functional responsibilities direct. An excessive amount of time will be necessary to eliminate environmental factors on polygraph results. The polygraph area must be soundproof and draft free to ensure that subjects are not responding to noises and that body changes are not caused by drafts. Additional time and effort are necessary to verify results. The present crowded conditions will continue to lower morale, productivity, and efficiency, which hampers mission accomplishment. Poor facilities diminish from the investigators' ability to apprehend criminals.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.</p>		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION

Fort Belvoir, Virginia

4. PROJECT TITLE

Operations Facility

5. PROJECT NUMBER

9161

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	<u>APR 1992</u>
(b) Percent Complete As Of 01 January 93 (BDGT YR)..	<u>40</u>
(c) Percent Complete As Of 01 October 93 (PROG YR)..	<u>100</u>
(d) Design Complete Date.....	<u>JUN 1993</u>

(2) Basis:

(a) Standard or Definitive Design - (YES/NO) N
 (b) Where Design Was Most Recently Used

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

(\$000)

(a) Production of Plans and Specifications.....	<u>49</u>
(b) All Other Design Costs.....	<u>145</u>
(c) Total Design Cost.....	<u>194</u>
(d) Contract.....	<u>103</u>
(e) In-house.....	<u>91</u>

(4) Construction Start..... DEC 1993
 month & year

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>
IDS Equipment	OPA	1994	7
Info Sys - ISC	OPA	1994	12
		TOTAL	<u>19</u>

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Lee Virginia			4. COMMAND US Army Training and Doctrine Command			5. AREA CONSTRUCTION COST INDEX 0.87	
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		698	2651	3013	689	3881	541
B. END FY 1999		616	2322	2971	558	4004	336
					69	40	1770
					68	40	1773
							13,352
							12,688
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....	5,575 AC						
B. INVENTORY TOTAL AS OF 30 SEP 1992.....							673,048
C. AUTHORIZATION NOT YET IN INVENTORY.....							0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....							32,600
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....							0
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....							0
G. REMAINING DEFICIENCY.....							40,977
H. GRAND TOTAL.....							746,625
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)		START	COMPLETE
721	2571	Whole Barracks Renewal		20,000		12/1992	04/1994
171	2580	Applied Instruction Facility		12,600		02/1992	06/1993
				TOTAL		32,600	
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE	PROJECT TITLE		(\$000)				
A. INCLUDED IN THE FY 1995 PROGRAM: NONE							
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Provides support and facilities for the US Army Combined Arms Support Command, the US Army Quartermaster Center and School, US Army Logistics Management College, Defense Commissary Agency, major combat support forces and other tenant activities, support reserve components and other satellite activities and units. Provides support and facilities for the US Army Quartermaster Center and School, US Army Logistics Management Center, major combat and combat support forces and other tenant activities, support reserve components and other satellited activities and units.							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Fort Lee Virginia										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table data-bbox="189 441 1049 567"> <thead> <tr> <th></th> <th style="text-align: right;">(\$000)</th> </tr> </thead> <tbody> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </tbody> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Fort Lee Virginia				4. PROJECT TITLE Whole Barracks Renewal				
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 721	7. PROJECT NUMBER 2571		8. PROJECT COST (\$000) Auth 20,000 Approp 20,000			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY								17,135
Barracks Modernization					SF	194,382	60.70	(11,799)
Co/Bn Operations Facility					SF	43,200	72.10	(3,115)
Dining Facility					SF	16,412	130.43	(2,141)
Building Information Systems					LS	--	--	(80)
SUPPORTING FACILITIES								746
Electric Service					LS	--	--	(155)
Water, Sewer, Gas					LS	--	--	(55)
Paving, Walks, Curbs And Gutters					LS	--	--	(347)
Storm Drainage					LS	--	--	(22)
Site Imp(141) Demo()					LS	--	--	(141)
Information Systems					LS	--	--	(26)
ESTIMATED CONTRACT COST								17,881
CONTINGENCY PERCENT (8.00%)								1,430
SUBTOTAL								19,311
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								1,159
TOTAL REQUEST								20,470
TOTAL REQUEST (ROUNDED)								20,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(44)
10. Description of Proposed Construction Modernize and reconfigure two barracks. Project includes living/sleeping room, bath, two walk-in closets, dayroom, television room, storage, laundry room, separate entrances, and upgrade finishes. Construct a company/battalion (Co/Bn) operations facility and a standard-design dining facility. Work includes upgrade of electric systems, wall and roof insulation, flooring, painting, ceilings, windows, and air conditioning. Supporting facilities include utilities; electric service; fire protection and alarm systems; paving, walks, curbs, and gutters; parking; storm drainage; information systems; and site improvements. Access for the handicapped will be provided in the administrative area and dining facility only. Heating will be provided by a gas-fired boiler. Air conditioning: 600 tons.								
11. REQUIREMENT: 4,370 PN ADEQUATE: 929 PN SUBSTANDARD: 1,940 PN PROJECT: Modernize and reconfigure two barracks to meet the Whole Barracks Renewal Program Standard. Construct a battalion/company operations facility and a standard-design dining facility. (Current Mission)								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Lee, Virginia		
4. PROJECT TITLE Whole Barracks Renewal	5. PROJECT NUMBER 2571	
<p>REQUIREMENT: This project is required to provide improvements to two existing barracks, consolidate battalion/company administrative functions, and provide adequate centralized dining facilities. Under the Whole Barracks Renewal Program improvements will provide better living conditions with the installation of air conditioning and improved dining facilities for the personnel living in these barracks. Intended and maximum utilization is 648 personnel.</p> <p>CURRENT SITUATION: Built in the 1950s, the existing buildings do not meet current facility standards. The dining facilities have deteriorated and do not conform to modern Army standards. Improvements are needed to enhance the management and daily operation of the dining facilities. Barracks and dining facilities presently lack air conditioning. Most of the soldiers sleep in open-bays and the latrines and showers are communal for the entire wing, requiring some soldiers to walk through the administrative wing to use the latrine or shower. The current barracks provide spaces for 700 personnel.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, food service will not provide effective, efficient and economical service in support of the soldier. Facilities will progressively deteriorate until a costly, emergency upgrade project is required. Living conditions for the Advanced Individual Training (AIT) students will deteriorate, adversely affecting troop morale and decreasing career attractiveness. Soldiers will continue to suffer from lack of air conditioning and inadequate ventilation, and the latrine and shower areas will be damaged by constant mildew and moisture due to inadequate ventilation. Open bays and shared latrines and showers will continue to be the norm for most soldiers at Fort Lee, despite the Army's efforts to improve living conditions in the barracks.</p> <p>ADDITIONAL: This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....	DEC 1992	
(b) Percent Complete As Of 01 March 93 (BDGT YR)....	35	
(c) Percent Complete As Of 01 October 93 (PROG YR)..	50	
(d) Design Complete Date.....	APR 1994	
(2) Basis:		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Lee, Virginia

4. PROJECT TITLE Whole Barracks Renewal	5. PROJECT NUMBER 2571
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12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

- (a) Standard or Definitive Design - (YES/NO) **N**
- (b) Where Design Was Most Recently Used

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

(a) Production of Plans and Specifications.....	719
(b) All Other Design Costs.....	426
(c) Total Design Cost.....	1,145
(d) Contract.....	895
(e) In-house.....	250

(4) Construction Start..... JUL 1994
month & year

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	0000	44
		TOTAL	44

1. COMPONENT ARMY		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Lee Virginia				4. PROJECT TITLE Applied Instruction Facility			
5. PROGRAM ELEMENT 85796A		6. CATEGORY CODE 171		7. PROJECT NUMBER 2580		8. PROJECT COST (\$000) Auth 12,600 Approp 12,600	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							10,550
Applied Instruction Classrooms				SF	125,660	80.72	(10,143)
EMCS Connection				LS	--	--	(111)
Building Information Systems				LS	--	--	(296)
<u>SUPPORTING FACILITIES</u>							797
Electric Service				LS	--	--	(71)
Water, Sewer, & Gas				LS	--	--	(20)
Paving, Walks, Curbs & Gutters				LS	--	--	(213)
Storm Drainage				LS	--	--	(48)
Site Imp(335) Demo()				LS	--	--	(335)
Information Systems				LS	--	--	(110)
ESTIMATED CONTRACT COST							11,347
CONTINGENCY PERCENT (5.00%)							567
SUBTOTAL							11,914
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							715
TOTAL REQUEST							12,629
TOTAL REQUEST (ROUNDED)							12,600
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(78)
10. Description of Proposed Construction Construct an automated supply training facility, with 30 applied instruction classrooms, administrative space for two training divisions, supply room with an issue point, a publications facility, breakrooms and latrines. Connect to energy monitoring and control system (EMCS). Supporting facilities include utilities; electric service; fire sprinklers and alarm systems; paving, walks, curbs and gutters; storm drainage; information systems; and site improvements. Heating and air conditioning (600 tons) will be provided by a self-contained system. Access for the handicapped will be provided.							
11. REQUIREMENT: 629,114 SF ADEQUATE: 163,102 SF SUBSTANDARD: 185,757 SF PROJECT: Construct an automated supply training facility. (Current Mission) REQUIREMENT: This project is required to provide an adequate training facility for 8,000 officers, noncommissioned officers, and enlisted students of the Quartermaster School attending supply training in Materiel Control and Accounting Specialist, Advanced Individual Training (AIT), Basic Noncommissioned Officer Courses (BNCOC), and Advanced Noncommissioned Officer Courses (ANCOC). The allocation of the 125,660 SF for this project is as follows: 30 individual 2,400 SF classrooms supporting 40 students each (total							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Lee, Virginia		
4. PROJECT TITLE Applied Instruction Facility	5. PROJECT NUMBER 2580	
<p><u>REQUIREMENT:</u> (CONTINUED) 72,000 SF). Administrative space for 126 personnel at 128 SF per person (total 16,128 SF), supply and central publication storage (total 6,000 SF), student break area (total 3,600 SF), latrines (total 2,000 SF), and circulation and mechanical (total 25,932 SF).</p> <p><u>CURRENT SITUATION:</u> The training and administrative functions are presently occupying space in 26 buildings located around the installation. The buildings are a mixture of temporary World War II construction, semi-permanent construction, and small permanent facilities. Most of the temporary and semi-permanent facilities are substandard and inhibit the proper training of the soldiers. The loss of valuable training time, due to marching students to and from the various facilities, and the lack of adequate heating and cooling in the temporary facilities is costly. Additionally, the lack of efficiency created by having the administrative support, training facilities, and instructor preparation areas scattered around Fort Lee reduces the ability of the school to devote maximum effort to training. The Quartermaster School is currently accredited by the Southern Association of Colleges, which requires a reevaluation of facilities and instructional programs every five years. Part of the requirement for continued accreditation is a positive program for improvement of facilities and the replacement of obsolete, inadequate facilities. The most recent accreditation expressed concern over the condition of the temporary buildings, and was granted partially because of programmed projects -- such as this one -- to modernize the teaching facilities.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the Quartermaster School will continue to use the existing substandard facilities to train the soldiers in this specialty. The ability of the Army to properly train specialists in the rapidly advancing field of supply automation systems will be adversely impacted due to loss of training time and the scattered location of training and support facilities. Additionally, if the Quartermaster School loses its accreditation, soldiers will no longer receive advanced education credits for the training they receive at Fort Lee, and retention/reenlistment may be affected.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.</p>		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION Fort Lee, Virginia

4. PROJECT TITLE Applied Instruction Facility	5. PROJECT NUMBER 2580
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12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
- | | |
|--|-----------------|
| (a) Design Start Date..... | <u>FEB 1992</u> |
| (b) Percent Complete As Of 01 January 93 (BDGT YR).. | <u>35</u> |
| (c) Percent Complete As Of 01 October 93 (PROG YR).. | <u>100</u> |
| (d) Design Complete Date..... | <u>JUN 1993</u> |

(2) Basis:

- (a) Standard or Definitive Design - (YES/NO) N
(b) Where Design Was Most Recently Used

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

- | | |
|---|------------|
| (a) Production of Plans and Specifications..... | <u>613</u> |
| (b) All Other Design Costs..... | <u>290</u> |
| (c) Total Design Cost..... | <u>903</u> |
| (d) Contract..... | <u>670</u> |
| (e) In-house..... | <u>233</u> |

(4) Construction Start..... JAN 1994
month & year

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	1994	78.
		TOTAL	<u>78</u>

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Myer Virginia			4. COMMAND US Army Military District of Washington			5. AREA CONSTRUCTION COST INDEX 1.05	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		92	1444	122	0	0	0
B. END FY 1999		86	1900	556	0	0	0
						864	223
						864	311
							2,745
							3,717
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		256 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		229,176					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		6,800					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		6,100					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0					
G. REMAINING DEFICIENCY.....		13,393					
H. GRAND TOTAL.....		255,469					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
721	33965	Whole Barracks Renewal		6,800	05/1992	07/1993	
				TOTAL	6,800		
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
721		Whole Barracks Renewal		6,100			
				TOTAL	6,100		
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Fort Myer serves as a troop/ceremonial post in support of missions assigned to the U.S. Army Military District of Washington. Fort Myer provides troop housing for the 3rd Inf Regt (The Old Guard), the U.S. Army Band (Pershing's Own), and authorized members of all services within the National Capital Region. Fort Myer provides housing for the Chairman, Joint Chiefs of Staff, the Chief of Staff, Army and the Chief of Staff, Air Force. Fort Myer, the Old Guard and the Army Band are responsible for supporting Arlington National Cemetery and numerous military ceremonies and public events throughout the Nation's Capital. Fort Myer provides base operations (BASOPS)							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Fort Myer Virginia										
10. MISSION OR MAJOR FUNCTIONS: (...CONTINUED) support to the Pentagon, the White House and other authorized claimants throughout the National Capital Region.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: <table style="width: 100%; border: none;"> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Fort Myer Virginia			4. PROJECT TITLE Whole Barracks Renewal					
5. PROGRAM ELEMENT 22896A		6. CATEGORY CODE 721	7. PROJECT NUMBER 33965		8. PROJECT COST (\$000) Auth 6,800 Approp 6,800			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY								5,786
Barracks Renovation					SF	70,000	79.85	(5,590)
Asbestos Abatement					LS	--	--	(166)
Building Information Systems					LS	--	--	(30)
SUPPORTING FACILITIES								48
Electric Service					LS	--	--	(48)
ESTIMATED CONTRACT COST								5,834
CONTINGENCY PERCENT (10.0%)								583
SUBTOTAL								6,417
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								385
TOTAL REQUEST								6,802
TOTAL REQUEST (ROUNDED)								6,800
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(0)
10. Description of Proposed Construction Renovate and convert all floors including basement and attic of one historic barracks building. Project includes living/sleeping room, bath, walk-in closets, laundry and storage; company operation facility; utility distribution systems for electric; plumbing; and heating, ventilation and air conditioning (HVAC). Replace interior partitions, floor system, doors and windows, repair exterior walls, enclose first floor porch area, install fire system consisting of heat and smoke detection devices in all living quarters, install interior cable system, remove and dispose of asbestos (flooring and insulation), reroute the chilled water pipe and distribution system, and rewire with copper wire. Work also includes four stairs at the location of existing stairs and strengthening a portion of attic floor to accommodate office and storage use. Work also includes reestablishment and reconstruction of historic front porch and landscaping in rear court yard.								
11. REQUIREMENT: 2,553 PN ADEQUATE: NONE SUBSTANDARD: 124 PN PROJECT: Modernize an historic barracks building to meet the Whole Barracks Renewal Program Standard. (Current Mission)								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
--------------------------	--	---------------------------

3. INSTALLATION AND LOCATION

Fort Myer, Virginia

4. PROJECT TITLE Whole Barracks Renewal	5. PROJECT NUMBER 33965
--	--------------------------------

REQUIREMENT: This project is required to continue the modernization of existing permanent barracks to provide adequate housing. This project will provide housing for total of 121 personnel (PN): 106 E1-E4, 11 E5-E6 and 4 E7-E8 (intended utilization). Maximum utilization is 136 enlisted personnel. Current utilization is 133 enlisted personnel.

CURRENT SITUATION: The existing three story brick building was built in 1895 on a stone foundation with a slate roof and has been classified as a Category II historical building. No major repair work has been done in the last 15 years. The slate roof was repaired in 1984. The existing plumbing, electrical and HVAC systems are outdated, inefficient, and do not comply with current codes. Significant replacement and repair is needed to avoid further deterioration of this historical building.

IMPACT IF NOT PROVIDED: If this project is not provided, outdated and inefficient electrical, plumbing, heating and air conditioning systems will continue to deteriorate, routine maintenance will not be sufficient, and major system failures will occur. Man hours expended for backlog of maintenance and repair will increase rapidly, and quality-of-life program goals for enlisted soldiers will not be met. Failure to provide this project will mean that soldiers will continue to live in substandard housing that does not meet current Army space requirements for enlisted personnel. The building is in extremely poor condition due to backlog of deferred maintenance. The building does not comply with the National Historical Preservation Act.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

- (a) Design Start Date..... MAY 1992
- (b) Percent Complete As Of 01 January 93 (BDGT YR).. 50
- (c) Percent Complete As Of 01 October 93 (PROG YR).. 100
- (d) Design Complete Date..... JUL 1993

(2) Basis:

- (a) Standard or Definitive Design - (YES/NO) N
- (b) Where Design Was Most Recently Used

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
-----------------------------	---	------------------------------

3. INSTALLATION AND LOCATION
Fort Myer, Virginia

4. PROJECT TITLE Whole Barracks Renewal	5. PROJECT NUMBER 33965
---	-----------------------------------

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.....	255
(b) All Other Design Costs.....	236
(c) Total Design Cost.....	491
(d) Contract.....	341
(e) In-house.....	150

(4) Construction Start..... **JAN 1994**
month & year

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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DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	PAGE
NUMBER	PROJECT TITLE		REQUEST	REQUEST	
Washington		Fort Lewis (FORSCOM)			283
39078	Incinerator Building Completion		14,200	14,200	285
	Subtotal For Fort Lewis PART I		\$ 14,200	14,200	
	* TOTAL MCA FOR Washington		\$ 14,200	14,200	

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Lewis Washington			4. COMMAND US Army Forces Command			5. AREA CONSTRUCTION COST INDEX 1.00	
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		2215	14161	3332	6	202	0
B. END FY 1999		2129	12783	4149	13	28	0
					41	88	541
					69	316	584
							20,586
							20,071
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		86,174 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		2,731,672					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		14,200					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		30,500					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0					
G. REMAINING DEFICIENCY.....		97,358					
H. GRAND TOTAL.....		2,873,730					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
833	39078	Incinerator Building Completion		14,200	10/1989	01/1993	
				TOTAL	14,200		
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
812		Utility Systems		8,500			
721		Whole Barracks Renewal		22,000			
				TOTAL	30,500		
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Support and training of I Corps Headquarters and organizations assigned to I Corps, including a motorized brigade. Support Madigan Army Medical Center and Reserve Component annual training. Ensure the most efficient utilization of resources to operate Fort Lewis and accomplish all assigned missions. Conduct mobilization operations to meet wartime requirements. Conduct operations in support of civil authorities in domestic emergencies.							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993
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INSTALLATION AND LOCATION: Fort Lewis Washington

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 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Fort Lewis Washington				4. PROJECT TITLE Incinerator Building Completion			
5. PROGRAM ELEMENT 22696A		6. CATEGORY CODE 100	7. PROJECT NUMBER 39078		8. PROJECT COST (\$000) Auth 14,200 Approp 14,200		
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							12,173
Incinerator Incl. Mods				LS	--	--	(9,611)
Recycle Center Modifications				LS	--	--	(325)
Ash Landfill Cell				LS	--	--	(2,237)
<u>SUPPORTING FACILITIES</u>							
ESTIMATED CONTRACT COST							12,173
CONTINGENCY PERCENT (10.0%)							<u>1,217</u>
SUBTOTAL							13,390
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							<u>803</u>
TOTAL REQUEST							14,193
TOTAL REQUEST (ROUNDED)							14,200
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
10. Description of Proposed Construction Complete the construction of a heat recovery refuse incinerator to include a shredder, deaerator tank, separation of ash streams, and a fly ash solidification system. Modify an existing recycling facility to provide magnetic metal separation with associated conveyors and building extension. Construct a double-lined ash disposal landfill cell, with leachate collection and groundwater monitoring wells.							
11. REQUIREMENT: 190 TN ADEQUATE: 10 TN SUBSTANDARD: NONE							
PROJECT: Complete the construction of a heat recovery refuse incinerator, provide improvements to a recycling facility and construct a double-lined ash landfill cell. (Current Mission)							
REQUIREMENT: An FY 87 MCA project for a heat recovery incinerator at Fort Lewis was never completed. Construction was terminated in August 1989, due to bankruptcy of the contractor and surety defaults. The plant stands at approximately 80 percent complete, but is deteriorating as construction is delayed. At a recent site visit, representatives from Headquarters, Army Corps of Engineers and Argonne National Laboratories evaluated the subject plant. They felt the incinerator was a good basic design and soundly constructed. Their final recommendation was to complete the facility with some minor							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Lewis, Washington

4. PROJECT TITLE Incinerator Building Completion	5. PROJECT NUMBER 39078
--	-----------------------------------

REQUIREMENT: (CONTINUED)
 modifications and two additional requirements to comply with the new Washington State environmental laws. These additions include a waste shredder with magnetic separator and a double lined landfill for the ash disposal. The minor modifications include improvements to the incinerator to provide a more functional system.

CURRENT SITUATION: Fort Lewis and McChord Air Force Base (AFB) municipal solid waste is currently disposed of in a lined cell at the Fort Lewis landfill, after processing through the recycling center. This disposal method uses space at a rate approximately five times that of incinerated ash. Barracks in the division area are currently heated by boiler plants utilizing fossil fuels. The new incinerator, designed to provide heat to these same buildings, continues to deteriorate as it stands unused. The price for plant completion continues to escalate due to inflation and continued deterioration.

IMPACT IF NOT PROVIDED: If this project is not provided, Fort Lewis will be forced to continue buying fossil fuels to heat the barracks in the Division area. The expected reduction in air emissions will not be achieved. The remaining landfill space will be used up much more rapidly.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria. "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

(a) Design Start Date.....	<u>OCT 1989</u>
(b) Percent Complete As Of 01 January 93 (BDGT YR)..	<u>100</u>
(c) Percent Complete As Of 01 October 93 (PROG YR)..	<u>100</u>
(d) Design Complete Date.....	<u>JAN 1993</u>

(2) Basis:

(a) Standard or Definitive Design - (YES/NO) N

(b) Where Design Was Most Recently Used

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

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

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Lewis, Washington		
4. PROJECT TITLE Incinerator Building Completion	5. PROJECT NUMBER 39078	
12. SUPPLEMENTAL DATA: (Continued)		
A. Estimated Design Data: (Continued)		
(b) All Other Design Costs.....		241
(c) Total Design Cost.....		241
(d) Contract.....		_____
(e) In-house.....		241
(4) Construction Start.....		JUL 1994 month & year
B. Equipment associated with this project which will be provided from other appropriations:		
<u>Equipment</u>	<u>Procuring</u>	<u>Fiscal Year</u>
<u>Nomenclature</u>	<u>Appropriation</u>	<u>Appropriated</u> <u>Cost</u>
		<u>Or Requested</u> <u>(\$000)</u>
None		

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	PAGE
NUMBER	PROJECT TITLE		REQUEST	REQUEST	
US Various		Classified US Location (USVAR)			291
42169	Classified Project		3,000	3,000	293
		Subtotal For Classified US Location PART I	\$ 3,000	3,000	
		* TOTAL MCA FOR US Various	\$ 3,000	3,000	
		** TOTAL INSIDE THE UNITED STATES FOR MCA	\$ 630,401	630,401	

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Classified US Location US Various			4. COMMAND Various US Army Major Commands-US			5. AREA CONSTRUCTION COST INDEX 1.00	
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER ENLIST CIVIL		OFFICER ENLIST CIVIL		OFFICER ENLIST CIVIL TOTAL	
A. AS OF 30 SEP 1992		0	0	0	0	0	0
B. END FY 1999		0	0	0	0	0	0
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		0 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....						0	
C. AUTHORIZATION NOT YET IN INVENTORY.....						0	
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....						3,000	
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....						0	
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....						0	
G. REMAINING DEFICIENCY.....						0	
H. GRAND TOTAL.....						3,000	
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
141	42169	Classified Project		3,000			
				TOTAL	3,000		
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:		NONE					
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY):		NONE					
10. MISSION OR MAJOR 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. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Classified US Location US Various				4. PROJECT TITLE Classified Project			
5. PROGRAM ELEMENT 91212A		6. CATEGORY CODE 141	7. PROJECT NUMBER 42169		8. PROJECT COST (\$000) Auth 3,000 Approp 3,000		
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							
<u>SUPPORTING FACILITIES</u>							
ESTIMATED CONTRACT COST							
CONTINGENCY PERCENT (5.00%)							
SUBTOTAL							
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							
TOTAL REQUEST							
TOTAL REQUEST (ROUNDED)							
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
10. Description of Proposed Construction This project covers classified activities at various locations. Additional information concerning the requirements associated with this project will be provided to Congress during the review of Military Construction Army, Fiscal Year 1992, Authorization/Appropriation Request.							
11. <u>REQUIREMENT:</u> NONE <u>ADEQUATE:</u> NONE <u>SUBSTANDARD:</u> NONE							
<u>PROJECT:</u> To be provided during Congressional review of MCA request. (Current Mission)							
<u>REQUIREMENT:</u> To be provided during Congressional review of MCA request.							
<u>CURRENT SITUATION:</u> To be provided during Congressional of MCA request.							
<u>IMPACT IF NOT PROVIDED:</u> To be provided during Congressional review of MCA request.							

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DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION APPROPRIATION		PAGE
			REQUEST	REQUEST	
Kwajalein		Kwajalein Atoll (USASDC)			297
		Kwajalein Atoll			
	35900	Sewage Treatment Facility	11,200	11,200	299
	36324	Unaccompanied Personnel Housing	10,000	10,000	302
		Subtotal For Kwajalein Atoll PART I	\$ 21,200	21,200	
		* TOTAL MCA FOR Kwajalein	\$ 21,200	21,200	

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Kwajalein Atoll Kwajalein			4. COMMAND US Army Strategic Defense Command			5. AREA CONSTRUCTION COST INDEX 2.54	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
		TOTAL					
A. AS OF 30 SEP 1992		21	10	107	0	0	0
B. END FY 1999		21	10	107	0	0	0
		1	0	1860	1	0	1,999
		1	0	1860	1	0	1,999
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		3,568 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		1,205,339					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		21,200					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		36,000					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		59,360					
G. REMAINING DEFICIENCY.....		60,750					
H. GRAND TOTAL.....		1,382,649					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
724	36324	Unaccompanied Personnel Housing		10,000	06/1991	10/1993	
831	35900	Sewage Treatment Facility		11,200	08/1992	09/1993	
TOTAL				21,200			
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
154		Shore Protection		7,700			
442		Hazardous Material Warehouse		9,800			
841		Cover Raw Water Tanks		5,500			
724		Unaccompanied Personnel Housing		13,000			
TOTAL				36,000			
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Provide technical and logistical support for on-site ballistic missile defense research and development programs. Provide technical support for strategic offensive weapon system development and operational testing. Collect data on objects in space. Maintain and foster relationships with the government of the Republic of the Marshall Islands.							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Kwajalein Atoll Kwajalein										
10. MISSION OR MAJOR FUNCTIONS: (...CONTINUED)										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: <table style="width: 100%; border: none;"> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">80,900</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	80,900	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	80,900									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT ARMY		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Kwajalein Atoll Kwajalein				4. PROJECT TITLE Sewage Treatment Facility			
5. PROGRAM ELEMENT 65856A		6. CATEGORY CODE 831		7. PROJECT NUMBER 35900		8. PROJECT COST (\$000) Auth 11,200 Approp 11,200	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							8,704
Sewage Treatment Plant				LS	--	--	(3,789)
Pump Station				EA	4	321,000	(1,284)
12 in Sewer Outfall in Water				LF	1,200	1,640	(1,968)
12 in Sewer Outfall on Land				LF	1,000	218.00	(218)
4 in Waterline				LF	7,900	48.00	(379)
Total from Continuation page							(1,066)
<u>SUPPORTING FACILITIES</u>							1,248
Electric Service				LS	--	--	(260)
Water, Sewer, Gas				LS	--	--	(686)
Paving, Walks, Curbs And Gutters				LS	--	--	(21)
Storm Drainage				LS	--	--	(11)
Site Imp(183) Demo(25)				LS	--	--	(208)
Information Systems				LS	--	--	(62)
ESTIMATED CONTRACT COST							9,952
CONTINGENCY PERCENT (5.00%)							498
SUBTOTAL							10,450
SUPERVISION, INSPECTION & OVERHEAD (6.50%)							679
TOTAL REQUEST							11,129
TOTAL REQUEST (ROUNDED)							11,200
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(1)
10. Description of Proposed Construction Construct a sewage treatment system on Roi Namur for domestic waste water to include an office and laboratory. Supporting facilities include utilities, electric service, force mains, sewage pump stations, storm drainage, fire protection and alarm systems, paving, fencing and gates, information systems, and site improvements. Trouble alarms will also be included at new sewage pump stations. Air conditoning (4 tons) will be provided by a self-contained system for office area only . Demolish one building (546 SF) within the footprint.							
11. REQUIREMENT: 70 KG ADEQUATE: NONE SUBSTANDARD: 70 KG							
PROJECT: Construct a sewage treatment system. (Current Mission)							
REQUIREMENT: This project is required to eliminate the discharge of undertreated domestic sewage into the ocean. This project is required for the US Army Kwajalein Atoll to comply with its Environmental Mitigation Plan and effluent to meet requirements of National Pollutant Discharge Elimination System (NPDES) Permit Number TT0110027 (Section 301 (H) of the Clean Water Act, as defined in the Compact of Free Association between the US and the Republic of the Marshall Islands. There are no alternatives which can satisfy this requirement.							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Kwajalein Atoll, Kwajalein

4. PROJECT TITLE Sewage Treatment Facility	5. PROJECT NUMBER 35900
--	-----------------------------------

9. COST ESTIMATES (CONTINUED)

<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit COST</u>	<u>Cost (\$000)</u>
<u>PRIMARY FACILITY (CONTINUED)</u>				
8 in Sewer Line	LF	1,600	126.00	(202)
6 in Force Main	LF	7,900	109.00	(861)
Building Information Systems	LS	--	--	(3)
			Total	1,066

CURRENT SITUATION: Domestic sewage on the Roi (west) side of Roi-Namur is kept in a holding tank for a short period of time and then pumped, with only preliminary treatment, into the ocean. The Namur (east) side uses an combination of septic tanks and leaching fields to dispose of its waste water sewage which has the potential for infiltration of the freshwater lenses. Roi-Namur is the only island that violates the Clean Water Act. Part of the Record of Decision (ROD) allowing continued missile testing at US Army, Kwajalein Atoll stipulated that the US Army would construct this plant. The Republic of the Marshall Islands (RMI) Environmental Protection Agency has not cited the US Government with the understanding that we will honor our commitment under the ROD.

IMPACT IF NOT PROVIDED: If this project is not provided, Roi-Namur will continue to dump undertreated wastewater into the ocean and be in noncompliance with the Clean Water Act. This will adversely impact the safety and health of personnel and the relationship between the US and the Republic of the Marshall Islands.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). An economic analysis has been prepared and utilized in evaluating this project.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

- (1) Status:
 - (a) Design Start Date..... AUG 1992
 - (b) Percent Complete As Of 01 January 93 (BDGT YR).. 35
 - (c) Percent Complete As Of 01 October 93 (PROG YR).. 100
 - (d) Design Complete Date..... SEP 1993

(2) Basis:

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Kwajalein Atoll, Kwajalein		
4. PROJECT TITLE Sewage Treatment Facility	5. PROJECT NUMBER 35900	
12. SUPPLEMENTAL DATA: (Continued)		
A. Estimated Design Data: (Continued)		
(a) Standard or Definitive Design - (YES/NO) N		
(b) Where Design Was Most Recently Used		
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)		
(a) Production of Plans and Specifications.....	272	
(b) All Other Design Costs.....	256	
(c) Total Design Cost.....	528	
(d) Contract.....	478	
(e) In-house.....	50	
(4) Construction Start.....	FEB 1994	
	month & year	
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>
Info Sys - ISC	OPA	1994
		1
		TOTAL
		1

1. COMPONENT ARMY	FY 1994	MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION Kwajalein Atoll Kwajalein	4. PROJECT TITLE Unaccompanied Personnel Housing
--	--

5. PROGRAM ELEMENT 65301A	6. CATEGORY CODE 724	7. PROJECT NUMBER 36324	8. PROJECT COST (\$000) Auth 10,000 Approp 10,000
-------------------------------------	--------------------------------	-----------------------------------	---

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY				8,472
Unaccompanied Personnel Housing	SF	36,000	222.50	(8,010)
Replace Tennis Courts (2)	LS	--	--	(376)
Building Information Systems	LS	--	--	(86)
SUPPORTING FACILITIES				547
Electric Service	LS	--	--	(90)
Water, Sewer, & Gas	LS	--	--	(54)
Paving, Walks, Curbs & Gutters	LS	--	--	(44)
Site Imp(37) Demo(292)	LS	--	--	(329)
Information Systems	LS	--	--	(30)
ESTIMATED CONTRACT COST				9,019
CONTINGENCY PERCENT (5.00%)				451
SUBTOTAL				9,470
SUPERVISION, INSPECTION & OVERHEAD (6.50%)				616
TOTAL REQUEST				10,086
TOTAL REQUEST (ROUNDED)				10,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS				(5)

10. Description of Proposed Construction Construct an unaccompanied personnel housing (UPH) facility. Relocate two lighted tennis courts. Supporting facilities include utilities; electric service; fire protection and alarm systems; paving, walks, curbs and gutters; information systems; and site improvements. Access for the handicapped will be provided. Air conditioning (100 tons) will be provided from self-contained system. Demolish three buildings (13,022 SF) and two tennis courts (14,040 SF).

11. REQUIREMENT: 1,370 PN ADEQUATE: NONE SUBSTANDARD: 677 PN
PROJECT: Construct an unaccompanied personnel housing facility. (Current Mission)
REQUIREMENT: This project is required to provide housing for 88 unaccompanied personnel assigned to USA Kwajalein Atoll (USAKA). This is the second phase of a three-phase project to furnish acceptable housing for 288 unaccompanied personnel on Kwajalein. Phase three will provide housing for 100 personnel and is in the FY 95 program. The residents will be technicians and engineers responsible for operating the range, conducting intelligence operations, space shuttle support, and test programs. The success of these operations, highly sophisticated tests for development of anti-ballistic

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Kwajalein Atoll, Kwajalein		
4. PROJECT TITLE Unaccompanied Personnel Housing	5. PROJECT NUMBER 36324	
<p><u>REQUIREMENT:</u> (CONTINUED)</p> <p>missile interceptors, and National Aeronautical and Space Administration (NASA) support is heavily dependent upon ability to recruit highly qualified technical personnel to operate the range sensors and test equipment. There is not sufficient housing to adequately accommodate the technicians. Programs scheduled at USAKA will be delayed due to a lack of housing for technical personnel.</p> <p><u>CURRENT SITUATION:</u> The USAKA is a national test range and deep space tracking center. USAKA is also the site of the Kiernan Reentry Measurements Site (KREMS), one of the primary United States assets for tracking deep space objects and foreign missile launches. The Kwajalein Atoll is only 1.2 square miles in area and located approximately 2,000 miles southwest of Hawaii, making it a very small, very remote, isolated installation. Successful accomplishment of USAKA's research, development, test and evaluation mission depends upon the ability to recruit highly trained technical personnel. Due to limited family housing, most of these technicians are recruited on an unaccompanied basis. The existing quarters are old, overcrowded, unattractive and do not provide the basic privacy which people need. Some live in old trailers. As a result, morale is low, job performance suffers, and the job turnover rate is very high. This is costly in terms of money and degradation in mission performance.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, USAKA will be unable to fulfill its mission in an efficient and timely manner. Technical personnel will continue to be housed in crowded, inadequate facilities, and employee morale and performance will suffer. Operational and multi-million dollar test programs will not be conducted on schedule or with the best available personnel. This project is required to provide optimum mission support as a national test range in support of the Strategic Defense Initiative (SDI) Program.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System ((DCIS). An economic analysis has been prepared and utilized in evaluating this project.</p>		
12. SUPPLEMENTAL DATA:		
A. Estimated Design Data:		
(1) Status:		
(a) Design Start Date.....		JUN 1991
(b) Percent Complete As Of 01 January 93 (BDGT YR)..		45

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Kwajalein Atoll, Kwajalein

4. PROJECT TITLE Unaccompanied Personnel Housing	5. PROJECT NUMBER 36324
--	-----------------------------------

12. SUPPLEMENTAL DATA: (Continued)

- A. Estimated Design Data: (Continued)
- (c) Percent Complete As Of 01 October 93 (PROG YR).. 100
 - (d) Design Complete Date..... SEP 1993

- (2) Basis:
- (a) Standard or Definitive Design - (YES/NO) **Y**
 - (b) Where Design Was Most Recently Used
USA Kwajalein Atoll

- (3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (\$000)
- (a) Production of Plans and Specifications..... 400
 - (b) All Other Design Costs..... 200
 - (c) Total Design Cost..... 600
 - (d) Contract..... 500
 - (e) In-house..... 100

- (4) Construction Start..... JAN 1994
month & year

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	1994	5
		TOTAL	<u>5</u>

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	PAGE
NUMBER	PROJECT TITLE		REQUEST	REQUEST	
Overseas Various		Classified Location (FORVAR)			307
		Classified Location			
27533	Communications Maintenance Facility		3,600	3,600	309
		Subtotal For Classified Location PART I	\$ 3,600	3,600	
		* TOTAL MCA FOR Overseas Various	\$ 3,600	3,600	
		** TOTAL OUTSIDE THE UNITED STATES FOR MCA	\$ 24,800	24,800	

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Classified Location Overseas Various			4. COMMAND Various US Army Major Commands-Foreign			5. AREA CONSTRUCTION COST INDEX 1.00	
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		0	0	0	0	0	0
B. END FY 1999		0	0	0	0	0	0
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....	0 AC						
B. INVENTORY TOTAL AS OF 30 SEP 1992.....							0
C. AUTHORIZATION NOT YET IN INVENTORY.....							0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....							3,600
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....							0
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....							0
G. REMAINING DEFICIENCY.....							24,700
H. GRAND TOTAL.....							28,300
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
441	27533	Communications Maintenance Facility		3,600	08/1992	09/1993	
TOTAL				3,600			
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM: NONE							
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Support of U.S. Army Forces Worldwide.							
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. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Classified Location Overseas Various				4. PROJECT TITLE Communications Maintenance Facility			
5. PROGRAM ELEMENT 22696A		6. CATEGORY CODE 441	7. PROJECT NUMBER 27533		8. PROJECT COST (\$000) Auth 3,600 Approp 3,600		
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							2,595
Communications Maintenance Bldg				SF	24,000	65.88	(1,581)
Admin Facility				SF	3,100	103.55	(321)
Staging Area				SF	87,300	1.29	(113)
Fuel Distribution				GA	18,000	13.11	(236)
Elevated Water Tank/Pump Station				GA	135,000	2.55	(344)
<u>SUPPORTING FACILITIES</u>							610
Electric Service				LS	--	--	(94)
Water, Sewer, Gas				LS	--	--	(58)
Paving, Walks, Curbs, And Gutter				LS	--	--	(234)
Site Imp(220) Demo()				LS	--	--	(220)
Information Systems				LS	--	--	(4)
ESTIMATED CONTRACT COST							3,205
CONTINGENCY PERCENT (5.00%)							160
SUBTOTAL							3,365
SUPERVISION, INSPECTION & OVERHEAD (6.50%)							219
TOTAL REQUEST							3,584
TOTAL REQUEST (ROUNDED)							3,600
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
10. Description of Proposed Construction							
Construct a prepositioning storage site and an operational facility to include administrative space, maintenance space, open storage, a depot warehouse and perimeter fencing. This facility will be built in Southwest Asia (SWA) and will be used to forward preposition communications equipment. Operational equipment will be stored in the depot facility. Support equipment will be placed in open storage. Supporting facilities include utilities, electric service, fencing, parking, access road, septic tank, fire protection and alarm systems, information systems, and site improvements. The supporting utility costs are based upon using existing utilities and a 200-foot offset from the main. Heating and air conditioning (6 tons) will be provided by self-contained systems for administration and maintenance areas.							
11. REQUIREMENT: 81,300 SF ADEQUATE: NONE SUBSTANDARD: NONE							
PROJECT: Construct a Communications Maintenance and Management facility to preposition communications equipment in support of Defense Communications System - Central Area (DCS-CA) and US Central Command (USCENTCOM) requirements in SWA. (Current Mission)							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
-----------------------------	---	------------------------------

3. INSTALLATION AND LOCATION
Classified Location, Overseas Various

4. PROJECT TITLE Communications Maintenance Facility	5. PROJECT NUMBER 27533
--	-----------------------------------

REQUIREMENT: This project is required to preposition and station communications equipment in order to meet theater communications requirements. The USCENCOM Area of Responsibility (AOR) is characterized by vast expanses and harsh terrain. There is almost a complete lack of communications facilities which makes it extremely difficult to support either peacetime, contingency, or wartime operations. The planned DCS-CA network will provide US Commander-in-Chief, Central (USCINCCENT) with intertheater common user and command and control (C2) conductivity from his AOR to the National Command Authority (NCA), Joints Chiefs of Staff (JCS), supporting unified and specified commands, as well as intratheater communications to embassies, friendly forces or allies, and component forces in the AOR. This facility will be the first Army-constructed link in the network.

CURRENT SITUATION: Equipment delivery began in FY 87. This equipment is being stored with the 11th Signal Brigade. The existing in-theater communications network is so inadequate that USCINCCENT depends upon the availability of this continental United States (CONUS)-based equipment to support his operations. The amount of equipment, lift requirements, and the speed with which this equipment is required in theater, makes forward prepositioning the only viable option to insure proper mission support.

IMPACT IF NOT PROVIDED: If this project is not provided, critical air-lift will be required to transport CONUS-based communications equipment to the theater. This is significant because there are numerous requirements competing for limited sorties. Any delay in the arrival of the equipment will adversely affect intratheater communications capabilities and will jeopardize USCENCOM's ability to perform its mission.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), Design Criteria, dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS). Project is not eligible for Host Nation funding. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement.

12. SUPPLEMENTAL DATA:

A. Estimated Design Data:

(1) Status:

- (a) Design Start Date..... AUG 1992
- (b) Percent Complete As Of 01 January 93 (BDGT YR).. 50
- (c) Percent Complete As Of 01 October 93 (PROG YR).. 100
- (d) Design Complete Date..... SEP 1993

(2) Basis:

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
-----------------------------	---	------------------------------

3. INSTALLATION AND LOCATION
Classified Location, Overseas Various

4. PROJECT TITLE Communications Maintenance Facility	5. PROJECT NUMBER 27533
--	-----------------------------------

12. SUPPLEMENTAL DATA: (Continued)

A. Estimated Design Data: (Continued)

- (a) Standard or Definitive Design - (YES/NO) **N**
- (b) Where Design Was Most Recently Used

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

(a) Production of Plans and Specifications.....	<u>175</u>
(b) All Other Design Costs.....	<u>80</u>
(c) Total Design Cost.....	<u>255</u>
(d) Contract.....	<u>20</u>
(e) In-house.....	<u>235</u>

(4) Construction Start..... APR 1994
month & year

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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DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 MILITARY CONSTRUCTION (PART I)
 (DOLLARS ARE IN THOUSANDS)

STATE	PROJECT	INSTALLATION (COMMAND)	AUTHORIZATION	APPROPRIATION	PAGE
NUMBER	PROJECT TITLE		REQUEST	REQUEST	
Worldwide Various	Minor Construction (MINEKGS)				315
28464	Unspecified Minor Construction		12,000	12,000	317
	Subtotal For Minor Construction PART I		\$ 12,000	12,000	
	Planning and Design (PLANDES)				319
37156	Planning and Design		84,441	84,441	321
37214	Host Nation Support		25,000	25,000	323
	Subtotal For Planning and Design PART I		\$ 109,441	109,441	
	* TOTAL MCA FOR Worldwide Various		\$ 121,441	121,441	
	** TOTAL WORLDWIDE FOR MCA		\$ 121,441	121,441	
	MILITARY CONSTRUCTION (PART I) TOTAL		\$ 776,642	776,642	

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1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Minor Construction Worldwide Various	4. COMMAND Minor Construction	5. AREA CONSTRUCTION COST INDEX 1.00
6. PERSONNEL STRENGTH:		
	PERMANENT	STUDENTS
	OFFICER ENLIST CIVIL	OFFICER ENLIST CIVIL
	SUPPORTED	SUPPORTED
	OFFICER ENLIST CIVIL	TOTAL
A. AS OF 30 SEP 1992	0 0 0	0 0 0
B. END FY 1999	0 0 0	0 0 0
7. INVENTORY DATA (\$000)		
A. TOTAL ACREAGE.....	0 AC	
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		0
C. AUTHORIZATION NOT YET IN INVENTORY.....		0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		12,000
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		12,000
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		24,000
G. REMAINING DEFICIENCY.....		0
H. GRAND TOTAL.....		48,000
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:		
CATEGORY PROJECT	COST	DESIGN STATUS
CODE NUMBER PROJECT TITLE	(\$000)	START COMPLETE
BBB 28464 Unspecified Minor Construction	12,000	
TOTAL	12,000	
9. FUTURE PROJECTS:		
CATEGORY	COST	
CODE PROJECT TITLE	(\$000)	
A. INCLUDED IN THE FY 1995 PROGRAM:		
BBB Unspecified Minor Construction	12,000	
TOTAL	12,000	
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE		
10. MISSION OR MAJOR 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. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Minor Construction Minor Construction, Worldwide Various			4. PROJECT TITLE Unspecified Minor Construction		
5. PROGRAM ELEMENT 91211A	6. CATEGORY CODE BBB	7. PROJECT NUMBER 28464	8. PROJECT COST (\$000) Auth 12,000 Approp 12,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u> Minor Construction Unspecified		LS	--	--	12,000 (12,000)
<u>SUPPORTING FACILITIES</u>					
ESTIMATED CONTRACT COST					12,000
CONTINGENCY PERCENT (.000%)					
SUBTOTAL					12,000
SUPERVISION, INSPECTION & OVERHEAD (.000%)					
TOTAL REQUEST					12,000
TOTAL REQUEST (ROUNDED)					12,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(0)
<p>10. Description of Proposed Construction Unspecified Minor construction projects which have a funded cost of \$1,500,000 or less, including construction, alteration, or conversion of permanent or temporary facilities as authorized under Title 10 USC 2805.</p> <p><u>REQUIREMENT:</u> This project is required to provide for unspecified projects for which the need cannot reasonably be foreseen nor justified in time to be included in this Military Construction, Army (MCA) program.</p> <p><u>CURRENT SITUATION:</u> In FY 92 the Army identified over \$25 million in urgent requirements which qualified for unspecified funding under 10 USC 2805. These urgent unforeseen projects addressed high national priorities such as environmental protection, health, safety, and new/changed mission. They could not wait for normal Military Construction, Army (MCA) programming. The Army expects to obligate the entire FY 93 UMMCA program by the close of the fiscal year.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Historical data on the Army's unforeseen urgent requirement supports this annual funding level. A reduction to this request will result in an additional backlog of unforeseen requirements affecting the Army's ability to perform its mission in a constantly changing environment.</p>					

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Minor Construction, Worldwide Various		
4. PROJECT TITLE Unspecified Minor Construction	5. PROJECT NUMBER 28464	
<p>ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security and/or combatting terrorism (CBT/T) measures are included. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instructions (AEI), "Design Criteria," dated 9 December 1991, with the 8 July 1992 and all subsequent revisions included in the Design Criteria Information System (DCIS).</p>		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Planning and Design Worldwide Various			4. COMMAND Planning and Design			5. AREA CONSTRUCTION COST INDEX 1.00	
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		0	0	0	0	0	0
B. END FY 1999		0	0	0	0	0	0
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		0 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		0					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		114,041					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		92,420					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		111,148					
G. REMAINING DEFICIENCY.....		0					
H. GRAND TOTAL.....		317,609					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
000	37214	Host Nation Support		25,000			
000	37156	Planning and Design		89,041			
000	40830	Strategic Mobility P&D		0			
TOTAL				114,041			
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
000		Planning And Design		67,420			
000		Host Nation Support		25,000			
000		Strategic Mobility P&D		0			
TOTAL				92,420			
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: Planning and Design		Worldwide Various								
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table> <thead> <tr> <th></th> <th style="text-align: right;">(\$000)</th> </tr> </thead> <tbody> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </tbody> </table>				(\$000)	A. AIR POLLUTION	0	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	0									
B. WATER POLLUTION	0									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Planning and Design Planning and Design, Worldwide Various				4. PROJECT TITLE Planning and Design		
5. PROGRAM ELEMENT 91211A		6. CATEGORY CODE 000	7. PROJECT NUMBER 37156		8. PROJECT COST (\$000) Auth 84,441 Approp 84,441	
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	COST (\$000)
<u>PRIMARY FACILITY</u> Planning and Design				LS	--	84,441 (84,441)
<u>SUPPORTING FACILITIES</u>						
ESTIMATED CONTRACT COST						84,441
CONTINGENCY PERCENT (.000%)						
SUBTOTAL						84,441
SUPERVISION, INSPECTION & OVERHEAD (.000%)						
TOTAL REQUEST						84,441
TOTAL REQUEST (ROUNDED)						84,441
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS						(0)
10. Description of Proposed Construction This item provides for advance and final design of construction projects, for value engineering technical evaluation studies, design of unspecified minor projects, and for development of standards and criteria for Army facilities.						
11. REQUIREMENT: NONE ADEQUATE: NONE SUBSTANDARD: NONE						
PROJECT: Planning and design funds.						
REQUIREMENT: Funds requested are required for the design and engineering of regular MCA, and Unspecified Minor including technical evaluation studies of value engineering and continued development of standard plans (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 Engineer (USACE) districts for in-house designs, Architect-Engineer (A-E) contracts, and administrative support functions. These funds are required for accomplishment of final correction, review, reproduction and advertisement of projects in the FY 1994 program, for advancement to final design (35-90 percent) of projects in FY 1995, for progression to concept design (0-35 percent) of projects in the FY 1996, and						

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Planning and Design, Worldwide Various		
4. PROJECT TITLE Planning and Design	5. PROJECT NUMBER 37156	
<p><u>REQUIREMENT: (CONTINUED)</u></p> <p>for initiation of preconcept design activities for projects in FY 1997. The estimate for this multi-dimensional design effort is developed through a formula that reflects the various stages of engineering development for a project. The estimate incorporates management changes over the past five years regarding a shift in the A-E versus in-house design mix, and adjusts to the growing differential in the relationship between increases in salaries for professional services versus project construction costs. The estimate does not predict additional design expenses due to any adverse effects from changes made to the MILCON program and as such it has extremely limited capability to incorporate additional design requirements even at the fully funded level. The Total Quality Management methodology is used by USACE in the design, value engineering process, and construction of facilities. The criteria and standards development and update program, as well as the value engineering program are the means by which USACE assures that quality is built-in from the beginning of projects. These programs help designers produce excellent products and utilizes a feedback process where the designers are participants in maintaining excellent criteria and standards. The funds request for the annual planning and design requirement includes the costs to update standards and criteria, guide specifications, technical manuals, and continue the DA Facility Standardization Program. These standards and criteria are the primary vehicles for introducing new technology, new operational requirements, design lessons learned and federal mandates into new Army facilities.</p>		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Planning and Design Planning and Design, Worldwide Various			4. PROJECT TITLE Host Nation Support		
5. PROGRAM ELEMENT 91211A	6. CATEGORY CODE 000	7. PROJECT NUMBER 37214	8. PROJECT COST (\$000) Auth 25,000 Approp 25,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>					
Host Nation/NATO Plan & Design		LS	--	--	25,000 (25,000)
<u>SUPPORTING FACILITIES</u>					
ESTIMATED CONTRACT COST					25,000
CONTINGENCY PERCENT (.000%)					
SUBTOTAL					25,000
SUPERVISION, INSPECTION & OVERHEAD (.000%)					
TOTAL REQUEST					25,000
TOTAL REQUEST (ROUNDED)					25,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS					(0)
10. Description of Proposed Construction This item provides for criteria development, design surveillance, and construction surveillance for projects funded by NATO and foreign nations where US Forces are the sole or primary user as authorized by 10 USC 2807.					
<u>REQUIREMENT:</u> This funding is required to represent US interests during the planning, design, and construction of projects funded by foreign governments, when US Forces are the sole or primary users. Project surveillance and oversight are performed on NATO construction in Europe, and host nation funded construction in Korea and Japan. The Host Nation Planning and Design funds are required to assure that the facilities provided conform to the Services' operational 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 in Korea and Japan are forecast to increase yearly, and now provide nearly all of the US facilities in these countries. The Army Corps of Engineers is responsible for providing the criteria, reviewing designs and monitoring the construction. The planning and design costs are approximately three percent of the construction placement. The three parts of the planning and design effort are: Criteria Package Preparation - defines the functional requirements and specifies the health, fire, operational,					

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Planning and Design, Worldwide Various		
4. PROJECT TITLE Host Nation Support	5. PROJECT NUMBER 37214	
<p><u>REQUIREMENT: (CONTINUED)</u> functional and life safety needs; Design Surveillance - ensures compliance with criteria packages, 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. In FY 94, the construction program in the Pacific is estimated to be about \$1 billion. The NATO program, although greatly reduced by recent events, still remains in future year projections.</p>		

April 1993

ARMY FAMILY HOUSING
FY 1994 BUDGET ESTIMATES
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ARMY FAMILY HOUSING
FY 1994 BUDGET ESTIMATES
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DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 ARMY FAMILY HOUSING
 NEW CONSTRUCTION (PART IIA)
 (DOLLARS ARE IN THOUSANDS)
 INSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION	APPROPRIATION
			REQUEST	REQUEST
California	28059	Fort Irwin (FORSCOM) Family Housing New Construction	25,000	25,000
		SUBTOTAL Fort Irwin PART IIA	\$ 25,000	25,000
		* TOTAL AFH FOR California	\$ 25,000	25,000
Hawaii	34872	Schofield Barracks (USARPAC) Family Housing New Construction	13,000	13,000
	37122	Family Housing New Construction	39,000	39,000
		SUBTOTAL Schofield Barracks PART IIA	\$ 52,000	52,000
		* TOTAL AFH FOR Hawaii	\$ 52,000	52,000
Maryland	10127	Fort Meade (FORSCOM) Family Housing Replacement Construction	26,000	26,000
		SUBTOTAL Fort Meade PART IIA	\$ 26,000	26,000
		* TOTAL AFH FOR Maryland	\$ 26,000	26,000
New York	39483	United States Military Academy (USMA) Family Housing Replacement Construction	15,000	15,000
		SUBTOTAL United States Military Academy	\$ 15,000	15,000
		* TOTAL AFH FOR New York	\$ 15,000	15,000
North Carolina	35561	Fort Bragg (FORSCOM) Family Housing Replacement Construction	18,000	18,000
		SUBTOTAL Fort Bragg PART IIA	\$ 18,000	18,000
		* TOTAL AFH FOR North Carolina	\$ 18,000	18,000

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 ARMY FAMILY HOUSING
 NEW CONSTRUCTION (PART IIA)
 (DOLLARS ARE IN THOUSANDS)
 INSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST
Wisconsin	12382	Fort McCoy (FORSCOM) Family Housing Replacement Construction	2,950	2,950
		SUBTOTAL Fort McCoy PART IIA	\$ 2,950	2,950
		* TOTAL AFH FOR Wisconsin	\$ 2,950	2,950
		** TOTAL INSIDE THE UNITED STATES FOR AFH	\$ 138,950	138,950
		MILITARY CONSTRUCTION (PART IIA) TOTAL	\$ 138,950	138,950

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 ARMY FAMILY HOUSING
 POST ACQUISITION (PART IIB)
 (DOLLARS ARE IN THOUSANDS)
 INSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION	APPROPRIATION
			REQUEST	REQUEST
Colorado	38475	Fort Carson (FORSCOM) Family Housing Improvements	5,900	5,900
		SUBTOTAL Fort Carson PART IIB	\$ 5,900	5,900
		* TOTAL AFH FOR Colorado	\$ 5,900	5,900
Illinois	28473	Savanna Army Depot (AMC) Family Housing Improvements	640	640
		SUBTOTAL Savanna Army Depot PART IIB	\$ 640	640
		* TOTAL AFH FOR Illinois	\$ 640	640
Kansas	36580	Fort Leavenworth (TRADOC) Family Housing Improvements	20	20
		SUBTOTAL Fort Leavenworth PART IIB	\$ 20	20
		* TOTAL AFH FOR Kansas	\$ 20	20
Kentucky	17751	Fort Campbell (FORSCOM) Family Housing Improvements	10,200	10,200
		SUBTOTAL Fort Campbell PART IIB	\$ 10,200	10,200
		* TOTAL AFH FOR Kentucky	\$ 10,200	10,200
Maryland	5062	Aberdeen Proving Ground (AMC) Family Housing Improvements	4,000	4,000
	5063	Family Housing Improvements	1,800	1,800
	17649	Family Housing Improvements	110	110
	39370	Family Housing Improvements	460	460
		SUBTOTAL Aberdeen Proving Ground PART II	\$ 6,370	6,370
		* TOTAL AFH FOR Maryland	\$ 6,370	6,370

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 ARMY FAMILY HOUSING
 POST ACQUISITION (PART IIB)
 (DOLLARS ARE IN THOUSANDS)
 INSIDE THE UNITED STATES

STATE	PROJECT NUMBER	INSTALLATION (COMMAND) PROJECT TITLE	AUTHORIZATION REQUEST	APPROPRIATION REQUEST
New Mexico	3943	White Sands Missile Range (AMC) Family Housing Improvements	3,300	3,300
		SUBTOTAL White Sands Missile Range PART	\$ 3,300	3,300
		* TOTAL AFH FOR New Mexico	\$ 3,300	3,300
New York	17956	United States Military Academy (USMA) Family Housing Improvements	1,500	1,500
	31106	Family Housing Improvements	4,200	4,200
		SUBTOTAL United States Military Academy	\$ 5,700	5,700
		* TOTAL AFH FOR New York	\$ 5,700	5,700
Oklahoma	16305	Fort Sill (TRADOC) Family Housing Improvements	8,600	8,600
		SUBTOTAL Fort Sill PART IIB	\$ 8,600	8,600
		* TOTAL AFH FOR Oklahoma	\$ 8,600	8,600
South Carolina	40894	Fort Jackson (TRADOC) Family Housing Improvements	0	0
		SUBTOTAL Fort Jackson PART IIB	\$ 0	0
		* TOTAL AFH FOR South Carolina	\$ 0	0
Virginia	17028	Fort Lee (TRADOC) Family Housing Improvements	15,000	15,000
		SUBTOTAL Fort Lee PART IIB	\$ 15,000	15,000
	25517	Fort Monroe (TRADOC) Family Housing Improvements	11,800	11,800

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 ARMY FAMILY HOUSING
 POST ACQUISITION (PART IIB)
 (DOLLARS ARE IN THOUSANDS)
 INSIDE THE UNITED STATES

<u>STATE</u>	<u>PROJECT</u> <u>NUMBER</u>	<u>INSTALLATION (COMMAND)</u> <u>PROJECT TITLE</u>	<u>AUTHORIZATION</u> <u>REQUEST</u>	<u>APPROPRIATION</u> <u>REQUEST</u>
		SUBTOTAL Fort Monroe PART IIB	\$ 11,800	11,800
		* TOTAL AFH FOR Virginia	\$ 26,800	26,800
		** TOTAL INSIDE THE UNITED STATES FOR AFH	\$ 67,530	67,530
		MILITARY CONSTRUCTION (PART IIB) TOTAL	\$ 67,530	67,530

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April 1993

ARMY FAMILY HOUSING
FY 1994 BUDGET ESTIMATES
SUMMARY

(\$ In Thousands)

FY 1994 Program	1,343,886
FY 1993 Current Est	1,523,819

Purpose and Scope

This program provides for the support of the worldwide family housing function within the Department of the Army.

Program Summary

Construction

New Construction (Deficit Reduction)	\$ 56,000
New Construction (Replacement)	82,950
Post Acquisition Construction	67,530
Planning and Design	<u>11,805</u>

Subtotal Construction \$218,285

Operations, Utilities, Maintenance, Leasing,
Debt Reduction, Interest, Insurance Premiums

Operations	\$ 187,157
Utilities	281,348
Maintenance	388,528
Leasing	268,139
Debt Reduction	412
Interest Payments	6
Servicemen's Mortgage Premiums	<u>11</u>

Subtotal O&M, L&D 1,125,601
Reimbursable Program 18,000

Subtotal O&M, L&D, Reimbursable 1,143,601

Total Construction, O&M, L&D, Reimb 1,361,886
Less Reimbursable Program 18,000

Budget Authority 1,343,886

Appropriation:

Construction	218,285
O&M, L&D	<u>1,125,601</u>

Total Appropriation 1,343,886

AUTHORIZATION AND
APPROPRIATION LANGUAGE
ARMY FAMILY HOUSING
FY 1994

For expenses of family housing for the Army for construction, including acquisition, replacement, addition, expansion, extension, and alteration and for operation and maintenance, including debt payment, leasing, minor construction, principal and interest charges, and insurance premiums, as authorized by law, as follows: for Construction [\$160,122,000] \$218,285,000, for Operation and Maintenance, and Debt Payment [\$1,363,697,000] \$1,125,601,000 in all [\$1,523,819,000] \$1,343,886,000. Provided, that the amount for construction shall remain available until [September 30, 1997] September 30, 1998.

Family Housing Construction, Army
Program and Financing (in Thousands of dollars) SUMMARY

Identification code	21-7020-0-1-001	Budget plan (amounts for FAMILY HOUSING actions programmed)		
		1982 actual	1993 est.	1994 est.
Program by activities:				
Direct program:				
01.0101	Construction of new housing	92,493	58,582	138,950
01.0201	Post-Acquisition Construction	74,980	92,600	67,530
01.0301	Planning and design	5,220	8,940	11,805
01.9101	Total direct program	172,693	160,122	218,285
10.0001	Total	172,693	160,122	218,285
Financing:				
17.0001	Recovery of prior year obligations			
	Unobligated balance available, start of year:			
21.4002	For completion of prior year budget plans	-7,988		
21.4008	Reprogramming from/prior year budget plans	-3,654		
22.0001	Unobligated balance transferred to other accounts			
	Unobligated balance available, end of year:			
24.4002	For completion of prior year budget plans	4,269		
25.0001	Unobligated balance expiring			
39.0001	Budget authority	165,320	160,122	218,285
Budget authority:				
40.0001	Appropriation	187,220	160,122	218,285
41.0001	Transferred to other accounts (-)	-1,900		
43.0001	Appropriation (adjusted)	185,320	160,122	218,285
Relation of obligations to outlays:				
71.0001	Obligations incurred			
72.4001	Obligated balance, start of year			
74.4001	Obligated balance, end of year			
77.0001	Adjustments in expired accounts (net)			
78.0001	Adjustments in unexpired accounts			
90.0001	Outlays (net)			

Family Housing Construction, Army
Program and Financing (in Thousands of dollars) SUMMARY

Obligations

Identification code	21-7020-0-1-051	1992 actual	1993 est.	1994 est.
Program by activities:				
Direct program:				
01.0101	Construction of new housing	45,460	99,371	122,751
01.0201	Post-Acquisition Construction	24,694	143,629	56,698
01.0301	Planning and design	8,190	13,539	12,005
01.9101	Total direct program	78,344	256,539	191,454
10.0001	Total	78,344	256,539	191,454
Financing:				
17.0001	Recovery of prior year obligations	-920		
21.4002	Unobligated balance available, start of year:			
	For completion of prior year budget plans	-124,288	-211,570	-115,153
21.4009	Reprogramming from/prior year budget plans			
22.0001	Unobligated balance transferred to other accounts	-3,654		
24.4002	Unobligated balance available, end of year:			
	For completion of prior year budget plans	211,570	115,153	141,984
28.0001	Unobligated balance expiring	4,289		
39.0001	Budget authority	165,320	160,122	218,285
40.0001	Budget authority:			
	Appropriation	167,220	160,122	218,285
41.0001	Transferred to other accounts (-)	-1,900		
43.0001	Appropriation (adjusted)	165,320	160,122	218,285
Relation of obligations to outlays:				
71.0001	Obligations incurred	78,344	256,539	191,454
72.4001	Obligated balance, start of year	89,306	76,507	236,214
74.4001	Obligated balance, end of year	-76,807	-236,214	-247,052
77.0001	Adjustments in expired accounts (net)	-95		
78.0001	Adjustments in unexpired accounts	-920		
90.0001	Outlays (net)	90,128	96,832	180,616

Family Housing Construction, Army
Object Classification (in Thousands of dollars) SUMMARY

Identification code	21-7020-0-1-051	1992 actual	1993 est.	1994 est.
Direct obligations:				
121.001	Travel and transportation of persons	622	623	809
122.001	Transportation of things	74	73	81
123.301	Communications, utilities, and miscellaneous charges	38	42	54
124.001	Printing and reproduction	4	31	40
Other services:				
125.201	Payments to foreign national indirect hire personnel	787	519	701
125.203	Contracts	42,110	107,142	109,084
126.001	Supplies and materials	75	104	134
132.001	Land and structures	34,634	148,005	80,551
		78,344	256,539	191,454
199.001	Total Direct obligations	78,344	256,539	191,454
999.901	Total obligations	78,344	256,539	191,454

Family Housing Operations & Debt, Army
Program and Financing (in Thousands of dollars)

Identification code	21-7025-O-1-061	1992 actual	1993 est.	1994 est.
Program by activities:				
Direct program:				
02.0101	Operating expenses	544,593	521,263	468,505
02.0201	Leasing	392,542	358,241	268,139
02.0301	Maintenance of real property	448,953	484,016	388,528
02.0401	Interest payments	49	50	17
02.9101	Total direct program	1,385,937	1,363,570	1,125,189
03.0101	Reimbursable Program	13,434	16,000	18,000
10.0001	Total obligations	1,399,271	1,379,570	1,143,189
Financing:				
Offsetting collections from:				
11.0001	Federal funds(-)	-2,397	-5,400	-5,180
13.0001	Trust funds(-)		-20	-20
14.0001	Non-Federal sources(-)	-11,037	-10,580	-12,800
22.0001	Unobligated balance transferred from other accounts (-)	-44,398		
25.0001	Unobligated balance expiring	19,084		
39.0001	Budget authority	1,360,502	1,363,570	1,125,189
Budget authority:				
40.0001	Appropriation	1,390,025	1,363,697	1,125,601
40.4701	Portion applied to debt reduction (-)	-125	-127	-412
41.0001	Transferred to other accounts (-)	-28,398		
43.0001	Appropriation (adjusted)	1,360,502	1,363,570	1,125,189
Relation of obligations to outlays:				
71.0001	Obligations incurred	1,385,837	1,363,570	1,125,189
72.4001	Obligated balance, start of year	448,605	355,508	375,216
74.4001	Obligated balance, end of year	-355,508	-375,216	-341,267
77.0001	Adjustments in expired accounts (net)	-19,142		
90.0001	Outlays (net)	1,459,792	1,343,862	1,159,198

Family Housing Operations & Debt, Army
Object Classification (in Thousands of dollars)

Identification code	21-7025-0-1-051	1992 actual	1993 est.	1994 est.
Direct obligations:				
Personnel compensation:				
111.101	Full-time permanent	25,565	24,950	28,353
111.301	Other than full-time permanent	6,895	5,181	5,165
111.501	Other personnel compensation	2,012	1,591	2,060
		34,473	31,722	35,578
111.901	Total personnel compensation	8,565	7,516	8,980
112.101	Personnel Benefits: Civilian personnel	76	96	191
113.001	Benefits for former personnel	1,512	1,705	1,482
121.001	Travel and transportation of persons	14,784	10,350	9,469
122.001	Transportation of things	358,783	377,899	275,518
123.201	Rental payments to others	317,220	326,684	297,046
123.301	Communications, utilities, and miscellaneous charges	105	125	110
124.001	Printing and reproduction	38,314	34,864	33,633
125.201	Other services:	430,206	428,207	375,288
125.203	Payments to foreign national indirect hire personnel	156,594	122,583	62,549
125.204	Contracts	13,403	12,720	16,441
126.001	Other	19,752	9,045	8,676
126.001	Supplies and materials	49	44	17
131.001	Equipment	1,385,837	1,363,570	1,125,189
143.001	Interest and dividends			
199.001	Total Direct obligations	3,942	4,540	5,540
Reimbursable obligations:				
223.201	Rental payments to others	3,791	5,960	5,960
225.203	Other services:	4,937	4,500	5,500
225.204	Contracts	764	1,000	1,000
231.001	Equipment	13,434	16,000	18,000
299.001	Total Reimbursable obligations	1,399,271	1,378,570	1,143,189
999.901	Total obligations			

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April 1993

ARMY FAMILY HOUSING
FY 1994 BUDGET ESTIMATES
NEW CONSTRUCTION

(\$ In Thousands)

FY 1994 Program	138,950
FY 1993 Current Est	58,582

Purpose and Scope

This program provides family housing at those installations where the local economy cannot provide adequate support and where additional housing is required to help satisfy a validated housing deficit. The program also provides for replacement of housing where it has been determined more economical to replace than to renovate. Included are site preparation, construction, and initial outfitting with fixtures and integral equipment of new family housing units, along with associated facilities such as roads, driveways, walks, utility systems, solar energy systems, and community facilities.

Program Summary

Authorization is requested in FY 94 for:

1. Construction of 1,183 units of family housing.
2. Appropriation in the amount of \$138,950,000 to completely fund this construction.

A summary of the new construction funding program for FY 94 follows:

	<u>Requested</u>	
	<u>Number of</u>	<u>Amount</u>
	<u>Units</u>	<u>(\$000)</u>
Deficit Reduction:		
Fort Irwin, CA	220	\$25,000
Schofield Barracks, HI	88	13,000
Schofield Barracks, HI	260	39,000
(deficit reduction AND replacement--for each unit demolished, approx two units will be constructed)		
Replacement:		
Fort Meade, MD	275	26,000
U.S. Military Academy, NY	100	15,000
Fort Bragg, NC	224	18,000
Fort McCoy, WI	16	2,950
Total	1,183	138,950

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM					2. DATE APRIL 1993				
3. INSTALLATION AND LOCATION Fort Irwin California			4. COMMAND US Army Forces Command			5. AREA CONSTRUCTION COST INDEX 1.30					
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS			SUPPORTED				
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL	TOTAL
A. AS OF 30 SEP 1992		648	3684	688	0	0	0	9	12	1295	6,336
B. END FY 1999		661	4168	872	0	0	0	13	25	1862	7,601
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE.....		636,182 AC									
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		940,189									
C. AUTHORIZATION NOT YET IN INVENTORY.....		0									
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		25,000									
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		12,600									
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0									
G. REMAINING DEFICIENCY.....		0									
H. GRAND TOTAL.....		977,789									
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:											
CATEGORY PROJECT						COST		DESIGN STATUS			
CODE	NUMBER	PROJECT TITLE				(\$000)		START COMPLETE			
711	28059	Family Housing New Construction				25,000		TURNKEY			
TOTAL						25,000					
9. FUTURE PROJECTS:											
CATEGORY						COST					
CODE		PROJECT TITLE				(\$000)					
A. INCLUDED IN THE FY 1995 PROGRAM:											
711		Family Housing Improvements				12,600					
TOTAL						12,600					
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE											
10. MISSION OR MAJOR FUNCTIONS:											
<p>The mission of the National Training Center (NTC), Fort Irwin is to provide: 1) Tough, realistic combined arms field training at battalion task force level using live fire exercises and opposing forces in realistic scenarios; 2) A data source for training, doctrine and systems improvement; 3) Support for assigned, attached, tenant, and training units, and community support for dependents, authorized civilians, and retirees.</p>											

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993
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INSTALLATION AND LOCATION: Fort Irwin

California

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:

	(\$000)
A. AIR POLLUTION	1,022
B. WATER POLLUTION	4,028
C. OCCUPATIONAL SAFETY AND HEALTH	0

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Fort Irwin, California				4. PROJECT TITLE Family Housing New Construction			
5. PROGRAM ELEMENT 88741A		6. CATEGORY CODE 711	7. PROJECT NUMBER 28059		8. PROJECT COST (\$000) Auth 25,000 Approp 25,000		
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							17,244
Family Housing New Construction				SF	248,300	66.80	(16,586)
Passive Solar				FA	220	2,600	(572)
Building Information Systems				LS	--	--	(86)
<u>SUPPORTING FACILITIES</u>							5,000
Electric Service				LS	--	--	(472)
Water, Sewer, Gas				LS	--	--	(919)
Paving, Walks, Curbs And Gutters				LS	--	--	(1,850)
Storm Drainage				LS	--	--	(264)
Site Imp(1,495) Demo()				LS	--	--	(1,495)
ESTIMATED CONTRACT COST							22,244
CONTINGENCY PERCENT (5.00%)							1,112
SUBTOTAL							23,356
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							1,401
TOTAL REQUEST							24,757
TOTAL REQUEST (ROUNDED)							25,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
10. Description of Proposed Construction Construct 220 two, three, and four bedroom junior and senior noncommissioned officer family dwelling units with garages. Construction will consist of variously configured mixed story units and/or single buildings. Dwelling units will be factory-built/manufactured houses and/or built on site with conventional type construction. The design will include wood frame construction, brick veneer, or stucco and prefinished siding. Heating and air conditioning will be provided. Site work includes grading, paving, walks, recreation facilities, desert landscaping, drainage, street lighting, and all utilities. Support facilities include water (with separate line for treated drinking water), sewer, gas and underground electrical distribution. Telephone and cable TV will be provided by the local telephone and cable TV companies. Passive solar and ground source heat pump energy conservation measures will be utilized where shown to be cost effective. Project provides range, refrigerator, washer and dryer connections, dishwasher, garbage disposal, hot water heater, hard wired and interconnected smoke detectors and interior telephone and TV outlets. At least five percent of the quarters will be constructed such that they will be accessible and easily modifiable to accommodate the requirements of the handicapped.							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Irwin, California

4. PROJECT TITLE Family Housing New Construction	5. PROJECT NUMBER 28059
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DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)

GRADE	NO. BEDROOMS	NET AREA	PROJ FACTOR	COST/ NET SF	NO. UNITS	COST (\$000)
SNCO	4	1450	1.26	53.00	20	1,937
SNCO	3	1350	1.26	53.00	50	4,509
JRNCO	2	950	1.26	53.00	120	7,614
JRNCO	3	1200	1.26	53.00	18	1,443
JRNCO	4	1350	1.26	53.00	12	1,083
					220	16,586

PROJECT: Construct 220 junior and senior noncommissioned officer family housing dwelling units and support facilities. (Current Mission)

REQUIREMENT: This project is required to provide permanent adequate on-post family housing facilities for military personnel and their families.

CURRENT SITUATION: There are currently 1,636 family housing units and 78 trailer sites on Fort Irwin. The waiting time for on-post family housing averages 7 months. The lack of on-post housing has forced personnel to live in the only populated area available, Barstow, California. The housing at Barstow is not considered suitable due to the average commuting distance of 42 miles one way and almost one hour travel time. Because of the type of extensive training conducted at the National Training Center, soldiers frequently train around the clock for several days. This causes excessive fatigue, exposing soldiers to driving hazards not normally encountered at other installations. Many soldiers who live off post utilize good judgement and elect not to go home during training breaks because of their fatigue. This limits the quality and quantity of time spent with the spouse and children causing psychological strain which adversely impacts the quality of Army life.

IMPACT IF NOT PROVIDED: If this project is not provided, newly restationed military personnel at Fort Irwin and their families will not have suitable housing available to them. The lack of suitable housing adversely impacts the quality of life of our soldiers and jeopardizes their effectiveness in carrying out their training mission.

ADDITIONAL: The Army Audit Agency has validated a housing deficit of more than 400 family quarters. New construction is the only alternative to reduce this deficit. This project has been coordinated with the Center's physical security plan, and no security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991. Coordination with the local Department of Education indicated no additional facility requirements.

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT 93-01-22		2. FISCAL YEAR 1993		REPORT CONTROL SYMBOL		
3. DOD COMPONENT ARMY		4. REPORTING INSTALLATION						
5. DATA AS OF		a. NAME Fort Irwin A06225			b. LOCATION Fort Irwin CA 92310-5000			
ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OFFICER (a)	E9 - E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 - E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	657	2,960	736	4,353	674	3,360	833	4,867
7. PERMANENT PARTY PERSONNEL	657	2,960	736	4,353	674	3,360	833	4,867
8. GROSS FAMILY HOUSING REQUIREMENTS	433	1,825	140	2,398	426	2,028	155	2,609
9. TOTAL UNACCEPTABLY HOUSED (a+b+c)	76	416	130	622				
a. INVOLUNTARILY SEPARATED	0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	0	0	0	0				
c. UNACCEPTABLY HOUSED - IN COMMUNITY	76	416	130	622				
10. VOLUNTARY SEPARATIONS	1	25	4	30	1	28	4	33
11. EFFECTIVE HOUSING REQUIREMENTS	432	1,800	136	2,368	425	2,000	151	2,576
12. HOUSING ASSETS (a + b)	361	1,450	6	1,817	425	1,572	151	2,148
a. UNDER MILITARY CONTROL	306	1,330	0	1,636	370	1,452	145	1,967
(1) Housed in Existing DOD Owned/Controlled	301	1,264	0	1,565	306	1,209	121	1,636
(2) Under Contract / Approved					64	243	24	331
(3) Vacant	5	40	0	45				
(4) Inactive	0	26	0	26				
b. PRIVATE HOUSING	55	120	6	181	55	120	6	181
(1) Acceptably Housed	55	120	6	181				
(2) Acceptable Vacant Rental	0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT	71	350	130	551	0	428	0	428
14. PROPOSED PROJECT					0	220	0	220
15. REMARKS (Specify item number)								
Line 12. The nearest community housing is 40 to 70 miles away from Fort Irwin. This is beyond the established standards for commuting.								
Line 14. The proposed project will construct 220 two, three and four bedroom dwelling units for junior and senior NCOs and increase the installation's inventory to 1,856 units. Army Audit Agency has validated a housing deficit of more than 400 family units.								
Senior NCO 4 Bedroom 20 Units								
Senior NCO 3 Bedroom 50 Units								
Junior NCO 4 Bedroom 12 Units								
Junior NCO 3 Bedroom 18 Units								
Junior NCO 2 Bedroom 120 Units								

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Schofield Barracks Hawaii			4. COMMAND US Army Pacific			5. AREA CONSTRUCTION COST INDEX 1.42	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
		TOTAL					
A. AS OF 30 SEP 1992	7753	51809	812	21	115	0	0
B. END FY 1999	7474	50886	819	24	75	0	0
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		14,089 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		314,889					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		52,000					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		76,000					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0					
G. REMAINING DEFICIENCY.....		0					
H. GRAND TOTAL.....		440,889					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START		COMPLETE
711	34872	Family Housing New Construction		13,000	TURNKEY		
711	37122	Family Housing New Construction		39,000	TURNKEY		
TOTAL				52,000			
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE	PROJECT TITLE		(\$000)				
A. INCLUDED IN THE FY 1995 PROGRAM:							
711	Family Housing New Construction		27,000				
711	Family Housing New Construction		49,000				
TOTAL				76,000			
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
<p>The primary mission of Schofield Barracks is to sustain the readiness status of the 25th Inf Div. Schofield Barracks provides administration, housing, and training facilities for troops as a peacetime division station headquarters for the 25th Inf Div. Schofield Barracks is one of the primary family housing sites in Hawaii operated by the Oahu Consolidated Family Housing Office (OCFHO). As such, the total family housing requirement, based on the population served, must be considered rather than only that of</p>							

1. COMPONENT ARMY		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Schofield Barracks, Hawaii				4. PROJECT TITLE Family Housing New Construction				
5. PROGRAM ELEMENT 88741A		6. CATEGORY CODE 711	7. PROJECT NUMBER 34872		8. PROJECT COST (\$000) Auth 13,000 Approp 13,000			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>								9,157
Family Housing Units (88)					SF	80,850	101.50	(9,120)
Building Information Systems					LS	--	--	(37)
<u>SUPPORTING FACILITIES</u>								2,552
Electric Service					LS	--	--	(1,064)
Water, Sewer, & Gas					LS	--	--	(392)
Paving, Walks, Curbs & Gutters					LS	--	--	(497)
Storm Drainage					LS	--	--	(200)
Site Imp(324) Demo()					LS	--	--	(324)
Information Systems					LS	--	--	(75)
ESTIMATED CONTRACT COST								11,709
CONTINGENCY PERCENT (5.00%)								585
SUBTOTAL								12,294
SUPERVISION, INSPECTION & OVERHEAD (6.50%)								799
TOTAL REQUEST								13,093
TOTAL REQUEST (ROUNDED)								13,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(0)
10. Description of Proposed Construction								
Construct 88 two and three bedroom family housing units for junior enlisted personnel at Schofield Barracks. Construction will consist of variously configured units/apartments at up to 18 units per acre with off street/under structure parking, and will utilize turnkey design/construction procurement procedures. Dwellings will be factory built/manufactured and/or built on site with conventional type construction. The design will include wood frame construction, brick veneer, or stucco and prefinished siding. Site work includes grading, paving, walks, recreation facilities, landscaping, drainage, street lighting and all utilities. Project will provide range, refrigerator, washer, dryer, dishwasher, garbage disposal, hot water heater and hard wired, interconnected smoke detectors. At least five percent of the quarters will be constructed such that they will be accessible and easily modifiable to accommodate the requirements of the handicapped. Central air conditioning will be installed where required due to lack of natural ventilation and/or high noise levels.								

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Schofield Barracks, Hawaii						
4. PROJECT TITLE Family Housing New Construction				5. PROJECT NUMBER 34872		
DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)						
GRADE	BED RMS	NET AREA	PROJECT FACTOR	\$/NSF	NO. OF UNITS	TOTAL (\$000)
JRENL	2	950	1.45	\$70.00*	63	\$6,075
JRENL	3	1200	1.45	\$70.00*	25	\$3,045
					88	\$ 9,120
* Includes \$15.00/NSF for vehicle parking under the structure.						
<u>PROJECT:</u> Construct 88 two and three bedroom units/apartments at Schofield Barracks for junior enlisted personnel. (Current Mission)						
<u>REQUIREMENT:</u> This project is required to reduce the existing housing shortage in the central Oahu area. Of the current island-wide long range deficit of 5088 units, more than 1800 housing units are required in central Oahu to support the 25th Infantry Division (Light) and other tenant or associate activities. Most of the deficit occurs in the junior enlisted grades. The addition of lower grade enlisted personnel has increased waiting times up to two years. This coupled with their low housing allowance subsistences, which are inadequate when competing for rentals in the local sector, impact families' quality of life and the service members' ability to perform their missions.						
<u>CURRENT SITUATION:</u> The Oahu rental market is tight and costly. The 0.5 to 1.5 percent housing vacancy rate on Oahu is one of the lowest for any urban area in the nation. Honolulu's rental rate is the highest in the nation based on rates published by the Honolulu Star Bulletin in July 1992. The average monthly rental for a one bedroom rental unit is \$1015. Service members must pay 25 to 50 percent more than their housing allowance for their rent. At present there are 6006 existing units in Central Oahu at Schofield Barracks, Wheeler Army Air Field, Camp Stover, Helemano, and NCTAMS EASTPAC. Projects being implemented and programmed in FY 92 and FY 93 will reduce the 1800 unit deficit by approximately 560 units. Due to the limited availability of land, construction at higher than normal density per acre, including underground or basement level parking is being pursued. Sewage disposal can be accommodated at the Army owned treatment plant at Wheeler Army Airfield. A project to expand the treatment plant capacity to accommodate the units in this project is being programmed separately.						
<u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the severe Oahu family housing shortages for all service members will continue. Service members and their families will continue to depend on the private sector to meet their housing needs. They will continue to compete with the local economy for scarce affordable rentals. Many families will be forced to live in low-quality housing, and their quality of life will be reduced. The poor quality of life for service members and their families will have an adverse affect on morale and combat readiness.						

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Schofield Barracks, Hawaii		
4. PROJECT TITLE Family Housing New Construction	5. PROJECT NUMBER 34872	
<p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991. Coordination with the local Department of Education is being conducted to determine if additional school facilities are required.</p>		

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1. COMPONENT ARMY		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Schofield Barracks, Hawaii				4. PROJECT TITLE Family Housing New Construction			
5. PROGRAM ELEMENT 88741A		6. CATEGORY CODE 711		7. PROJECT NUMBER 37122		8. PROJECT COST (\$000) Auth 39,000 Approp 39,000	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY							26,668
Construct Housing Units (260)				SF	267.000	99.40	(26,540)
Building Information Systems				LS	--	--	(128)
SUPPORTING FACILITIES							8,401
Electric Service				LS	--	--	(1,726)
Water, Sewer, Gas				LS	--	--	(969)
Paving, Walks, Curbs And Gutters				LS	--	--	(1,526)
Storm Drainage				LS	--	--	(861)
Site Imp(991) Demo(2,052)				LS	--	--	(3,043)
Information Systems				LS	--	--	(276)
ESTIMATED CONTRACT COST							35,069
CONTINGENCY PERCENT (5.00%)							1,753
SUBTOTAL							36,822
SUPERVISION, INSPECTION & OVERHEAD (6.50%)							2,393
TOTAL REQUEST							39,215
TOTAL REQUEST (ROUNDED)							39,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
10. Description of Proposed Construction Construct 260 two and three bedroom junior noncommissioned officer family quarters and demolish 135 units which are uneconomical to revitalize (145,370 SF) at Schofield Barracks. Construction will consist of variously configured units/apartments at approximately 14 units per acre with off street/under structure parking, and will utilize turnkey design/construction procurement procedures. Dwelling units will be factory built houses or conventionally site built houses. The design will include wood frame construction, brick veneer, or stucco and prefinished siding. Supporting facilities include underground utilities, street lights, underground information systems, paving, walks, curbs and gutters, storm drainage, tot lots and landscaping. Project will provide kitchen range, refrigerator, washer, dryer, garbage disposal, hot water heater, dishwasher and hard wired, interconnected smoke detectors. At least five percent of the dwelling units will be accessible and easily modifiable to accommodate the requirements of the handicapped. Central air conditioning will be installed where required due to lack of natural ventilation and/or high noise levels. Demolition will require disposal of asbestos and lead base paint material.							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Schofield Barracks, Hawaii

4. PROJECT TITLE Family Housing New Construction	5. PROJECT NUMBER 37122
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DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)

Grade	No of Bedrooms	Net Area	Project Factor	\$/NSF	No of Units	Total Cost (\$000)
JNCO	2	950	1.42	70.00*	180	16,998
JNCO	3	1,200	1.42	70.00*	80	9,542
					260	26,540

* Includes \$15.00/NSF for underground/basement parking

PROJECT: Construct 260 two and three bedroom junior noncommissioned officer family quarters and demolish 135 units at Schofield Barracks. (Current Mission)

REQUIREMENT: This project is required to replace existing family housing units that are uneconomical to revitalize and to reduce the housing shortage in the central Oahu area by increasing the density of units per acre.

CURRENT SITUATION: The existing units do not meet acceptable standards of size, comfort and habitability. Constructed in 1964, the units are worn, deteriorated and contain asbestos and lead base paint. The living, dining, kitchen, bedrooms and bathroom areas require extensive repair and redesign. An additional bathroom is required and the electrical system needs to be upgraded. The incandescent lighting is poor and not energy efficient. The kitchen and bathroom fixtures and facilities are deteriorated and require replacement. Presently, the site has limited available parking spaces and carports. On-street parking is overcrowded making most streets accessible to one-way traffic only. The sewer lines are old and deteriorated, requiring replacement. In addition, the Oahu rental market is tight and costly, with one of the lowest vacancy rates in the nation. The resulting housing deficit, combined with the limited availability of land, requires construction of housing at higher than normal density per acre, including use of underground or basement level parking.

IMPACT IF NOT PROVIDED: If this project is not provided, energy and maintenance costs will increase, inadequate quarters will remain in use, efforts to reduce the existing housing deficit will be hindered, and the health, safety and quality of life of the occupants will be adversely affected.

ADDITIONAL: This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991. An economic analysis comparing replacement construction with other alternatives indicates the cost effectiveness of this project. On the basis of net present value, as

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Schofield Barracks, Hawaii		
4. PROJECT TITLE Family Housing New Construction	5. PROJECT NUMBER 37122	
<p>ADDITIONAL: (CONTINUED)</p> <p>calculated over the life of the project, replacement, permitting construction of additional housing at higher density per acre, was found to be the most cost effective alternative. Coordination with the local Department of Education is being conducted to determine if additional school facilities are required.</p>		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT 93-01-22		2. FISCAL YEAR 1993		REPORT CONTROL SYMBOL		
3. DOD COMPONENT ARMY		4. REPORTING INSTALLATION						
5. DATA AS OF		a. NAME Consolidated Housing Office A15635			b. LOCATION Honolulu, Hawaii HI 96858-5000 USA			
ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OFFICER (e)	E9 - E4 (f)	E3 - E1 (g)	TOTAL (h)	OFFICER (e)	E9 - E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	7,774	38,786	13,138	59,698	7,498	38,212	12,749	58,459
7. PERMANENT PARTY PERSONNEL	7,753	38,674	13,135	59,562	7,482	38,139	12,747	58,368
8. GROSS FAMILY HOUSING REQUIREMENTS	4,902	23,696	2,117	30,715	4,707	23,670	2,095	30,472
9. TOTAL UNACCEPTABLY HOUSED (a+b+c)	211	5,326	1,122	6,659				
a. INVOLUNTARILY SEPARATED	17	207	101	325				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	1	5	3	9				
c. UNACCEPTABLY HOUSED - IN COMMUNITY	193	5,114	1,018	6,325				
10. VOLUNTARY SEPARATIONS	70	331	213	614	70	331	213	614
11. EFFECTIVE HOUSING REQUIREMENTS	4,832	23,365	1,904	30,101	4,637	23,339	1,882	29,858
12. HOUSING ASSETS (a + b)	6,514	18,670	816	26,000	4,306	20,513	1,482	26,301
a. UNDER MILITARY CONTROL	3,489	15,932	399	19,820	1,281	17,775	1,065	20,121
(1) Housed in Existing DOD Owned/Controlled	3,391	15,296	365	19,052	1,281	17,484	1,065	19,830
(2) Under Contract / Approved					0	291	0	291
(3) Vacant	90	470	12	572				
(4) Inactive	8	166	22	196				
b. PRIVATE HOUSING	3,025	2,738	417	6,180	3,025	2,738	417	6,180
(1) Acceptably Housed	3,025	2,738	417	6,180				
(2) Acceptable Vacant Rental	0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT	(1,682)	4,695	1,088	4,101	331	2,826	400	3,557
14. PROPOSED PROJECT					0	260	88	348
15. REMARKS (Specify item number)	#13. The Army recognized a deficit range in Hawaii due to mission requirements				23	4,652	413	5,088

Line 14. There are two proposed projects. The first project will construct 88 units at Schofield Barracks consisting of two and three bedroom units in three story apartments for junior enlisted. The second project will demolish 135 units and construct 260 units consisting of two and three bedroom units in three story apartments for junior NCOs. There is a current deficit of 5,088 units, with more than 1,800 units required to support the 25th Infantry Division (Light). Projects being implemented and programmed for FY 92 and FY 93 will reduce the 1,800 unit deficit by approximately 560 units.

Junior Enlisted	2 Bedroom	63 Units	Junior NCO	2 Bedroom	180 Units
Junior Enlisted	3 Bedroom	25 Units	Junior NCO	3 Bedroom	80 Units

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Meade Maryland			4. COMMAND US Army Forces 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 SEP 1992	798	1395	3568	2	33	0	1011 3976 22222 33,005
B. END FY 1999	1093	1939	2497	111	217	150	837 3773 22103 32,720
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....	13,437 AC						
B. INVENTORY TOTAL AS OF 30 SEP 1992.....							1,027,131
C. AUTHORIZATION NOT YET IN INVENTORY.....							0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....							26,000
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....							0
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....							0
G. REMAINING DEFICIENCY.....							0
H. GRAND TOTAL.....							1,053,131
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST	DESIGN STATUS		
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
711	10127	Family Housing Replacement Construction		26,000	TURNKEY		
TOTAL				26,000			
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE	PROJECT TITLE		(\$000)				
A. INCLUDED IN THE FY 1995 PROGRAM: NONE							
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
<p>Logistically support and train post troop units; support Headquarters First United States Army, National Security Agency, and Intelligence Agency, provide First United States Army Field Maintenance; train reserve components; National Guard, and provide ROTC summer training facilities.</p> <p>To provide Army family housing. The Army military housing community in Washington, DC consists of seven major duty sites within the metropolitan area, with strengths as shown below. Army family housing is located at five of these sites with the preponderance being at Forts Belvoir and Meade. The housing assignment policy for this area allows soldiers with family members the option to live at the location of their choice regardless of where they work.</p>							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993	
INSTALLATION AND LOCATION: Fort Meade Maryland			
10. MISSION OR MAJOR FUNCTIONS: (...CONTINUED)			
Military population for FY 1992 (including supported personnel):			
	Permanent	Student	Total Military
	Officer	Enlisted	Officer Enlisted Total
Cameron Station	159	145	0 0 159 145 304
Fort Belvoir	1,069	2,392	458 1,216 1,527 3,608 5,135
Fort McNair	482	774	77 1 559 775 1,334
Fort Myer	92	2,308	0 0 92 2,308 2,400
Pentagon	3,937	2,096	0 0 3,937 2,096 6,033
Fort Meade	1,810	5,381	2 22 1,812 5,403 7,215
Walter Reed AMC	1,227	1,593	3 49 1,230 1,642 2,872
Total Military	8,776	14,689	540 1,288 9,316 15,977 25,293
Military population for FY 1999 (including supported personnel):			
	Permanent	Student	Total Military
	Officer	Enlisted	Officer Enlisted Total
Cameron Station	0	0	0 0 0 0 0
Fort Belvoir	1,305	2,767	358 1,049 1,663 3,816 5,479
Fort McNair	458	747	67 0 525 747 1,272
Fort Myer	92	2,319	0 0 92 2,319 2,411
Pentagon	3,275	2,756	0 0 3,275 2,756 6,031
Fort Meade	1,930	5,712	111 217 2,041 5,929 7,970
Walter Reed AMC	1,304	1,492	3 28 1,307 1,520 2,827
Total Military	8,364	15,793	539 1,294 8,903 17,087 25,990
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:			
		(\$000)	
A. AIR POLLUTION		2,957	
B. WATER POLLUTION		4,619	
C. OCCUPATIONAL SAFETY AND HEALTH		0	

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Fort Meade, Maryland				4. PROJECT TITLE Family Housing Replacement Construction				
5. PROGRAM ELEMENT 88741A		6. CATEGORY CODE 711	7. PROJECT NUMBER 10127		8. PROJECT COST (\$000) Auth 26,000 Approp 26,000			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>								16,861
Replace 251 Units					SF	286,800	54.06	(15,504)
Revitalize duplex units					EA	24	52,900	(1,270)
Building Information Systems					LS	--	--	(87)
<u>SUPPORTING FACILITIES</u>								6,906
Electric Service					LS	--	--	(728)
Water, Sewer, Gas					LS	--	--	(540)
Paving, Walks, Curbs And Gutters					LS	--	--	(925)
Storm Drainage					LS	--	--	(483)
Site Imp(1,032) Demo(3,005)					LS	--	--	(4,037)
Information Systems					LS	--	--	(193)
ESTIMATED CONTRACT COST								23,767
CONTINGENCY PERCENT (5.00%)								1,188
SUBTOTAL								24,955
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								1,497
TOTAL REQUEST								26,452
TOTAL REQUEST (ROUNDED)								26,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(0)
10. Description of Proposed Construction Whole neighborhood revitalization of 275 junior enlisted substandard family quarters built in 1950 by replacing 317 multiplex quarters with 251 units and revitalizing 24 duplex units. The multiplex units are uneconomical to revitalize; however the 24 duplex units, by converting from 3 bedroom to 2 bedroom units, can be economically revitalized. Scope of work includes demolition of 317 substandard quarters, extension/modification of community support facilities and street and utility infrastructure and expansion of the housing area. Replacement dwelling units will be factory built or manufactured houses and/or conventionally on-site constructed houses. The design will include wood frame construction, brick veneer or stucco and prefinished siding. Project will provide kitchen range, dishwasher, refrigerator, garbage disposal, hot water heater, hard wired interconnected smoke detectors and information (telephone and cable TV) systems. Five percent of the quarters will be accessible and easily modifiable to accommodate the requirements of the handicapped.								
Grade	Bedrooms	Net Area	Project Factor	Unit Cost	No. Units	(\$000) Total		
JRENL	2	950	1.02	53.00	72	3,698		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Meade, Maryland

4. PROJECT TITLE Family Housing Replacement Construction	5. PROJECT NUMBER 10127
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DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)

JRENL	3	1200	1.02	53.00	155	10,055
JRENL	4	1350	1.02	53.00	24	1,751
TOTAL					251	15,504

Revitalization of the 24 duplex units includes redesigning living areas, kitchens, bathrooms, closets, mechanical rooms and interior storage within existing space. Replace flooring and underlayment, doors, windows, stairways, heating system with air conditioning, electric and plumbing systems, exterior steps, and complete painting. Asbestos and lead paint removal and abatement is required. Install new hot water heaters, dishwashers, garbage disposals, hard wired interconnected smoke detectors, wall and attic insulation and architectural window shutters. Support facility work includes site preparation, utilities with master meters, cable TV and telephone distribution, roads, walks, parking, tot lots, recreation center, athletic facilities, perimeter security fencing and landscaping. All units will include patios, carports with bulk storage, privacy screens and refuse container enclosures.

PROJECT: Whole neighborhood revitalization of 275 substandard junior enlisted family housing units by revitalizing 24 units and replacing 317 units with 251 units including neighborhood amenities, infrastructure and energy conservation. (Current Mission)

REQUIREMENT: This project is required to upgrade 774 substandard junior enlisted quarters (Phase II of III). These units were declared substandard in 1975 due to inadequate room size, high density of units per acre, and inadequate supporting infrastructure. This project will provide adequate family housing units for enlisted personnel assigned to Fort George G. Meade.

CURRENT SITUATION: Enlisted personnel are occupying substandard housing units constructed during 1949 and 1950. These units fail to meet current space requirements, lack air conditioning which has been deferred since 1984 in anticipation of this project, contain outmoded installed equipment, require major functional improvements and do not provide an adequate standard of living and quality of life.

IMPACT IF NOT PROVIDED: If this project is not provided, service members will continue to reside in substandard housing which will continue to deteriorate. This will adversely affect the health, safety and quality of life of these enlisted personnel and their families, with maintenance costs continuing to accelerate.

ADDITIONAL: The economic analysis shows improvement to cost 73% of replacement housing. This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Meade, Maryland		
4. PROJECT TITLE Family Housing Replacement Construction	5. PROJECT NUMBER 10127	
<p>ADDITIONAL: (CONTINUED)</p> <p>January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991.</p>		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT 93-01-22		2. FISCAL YEAR 1993		REPORT CONTROL SYMBOL		
3. DOD COMPONENT ARMY		4. REPORTING INSTALLATION						
5. DATA AS OF		a. NAME Army Housing Community Washington, DC			b. LOCATION Fort Meade Housing Site Fort Meade, MD 20755-5115			
ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OFFICER (a)	E9 - E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 - E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	9,315	13,815	2,163	25,293	8,903	14,599	2,488	25,990
7. PERMANENT PARTY PERSONNEL	8,775	13,449	1,241	23,465	8,364	14,166	1,627	24,157
8. GROSS FAMILY HOUSING REQUIREMENTS	7,038	9,684	566	17,288	6,726	10,101	734	17,561
9. TOTAL UNACCEPTABLY HOUSED (a+b+c)	221	527	127	875				
a. INVOLUNTARILY SEPARATED	27	132	0	159				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	0	99	94	193				
c. UNACCEPTABLY HOUSED - IN COMMUNITY	194	296	33	523				
10. VOLUNTARY SEPARATIONS	43	50	13	106	41	52	17	110
11. EFFECTIVE HOUSING REQUIREMENTS	6,995	9,634	553	17,182	6,685	10,049	717	17,451
12. HOUSING ASSETS (a + b)	6,842	9,424	426	16,692	6,685	9,581	426	16,692
a. UNDER MILITARY CONTROL	1,198	3,525	17	4,740	1,198	3,525	17	4,740
(1) Housed in Existing DOD Owned/Controlled	1,130	3,109	17	4,256	1,198	3,525	17	4,740
(2) Under Contract / Approved								
(3) Vacant	48	149	0	197				
(4) Inactive	20	267	0	287				
b. PRIVATE HOUSING	5,644	5,899	409	11,952	5,487	6,056	409	11,952
(1) Acceptably Housed	5,644	5,899	409	11,952				
(2) Acceptable Vacant Rental				0				
13. EFFECTIVE HOUSING DEFICIT	153	210	127	490	0	468	291	759
14. PROPOSED PROJECT					0	275	0	275
15. REMARKS (Specify item number)								
<p>The five Army installations located in the Washington Metro area provide the government living accommodations for soldiers and their families assigned to the area. Housing allowances have not kept pace with the rising cost of living in the Metro area, consequently, enlisted soldiers find a majority of the off-post housing priced beyond their ability to pay.</p> <p>Line 14. This project is sited at Fort Meade. The project demolishes 317 substandard units and replaces them with 251 new units, and revitalizes 24 other units. There is a net reduction to the housing inventory at the Fort Meade site.</p> <p>1 Bedroom Enlisted 24 Units 3 Bedroom Enlisted 155 Units 2 Bedroom Enlisted 72 Units</p>								

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION United States Military Academy New York			4. COMMAND United States Military Academy			5. AREA CONSTRUCTION COST INDEX 1.13	
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
A. AS OF 30 SEP 1992		838	865	2407	0	4465	0
B. END FY 1999		819	705	2472	0	4258	0
		96	645	1470	10,786		
		89	549	2755	11,647		
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		29,511 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		1,715,641					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		20,700					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		14,200					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0					
G. REMAINING DEFICIENCY.....		2,700					
H. GRAND TOTAL.....		1,753,241					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
711	17956	Family Housing Improvements		1,500	08/1992	04/1993	
711	31106	Family Housing Improvements		4,200	08/1992	04/1993	
711	39483	Family Housing Replacement Construction		15,000	TURNKEY		
TOTAL				20,700			
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM:							
711		Family Housing Improvements		2,150			
711		Family Housing Improvements		3,350			
711		Family Housing Replacement Construction		8,000			
711		Family Housing Improvements		700			
TOTAL				14,200			
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
The mission of the United States Military Academy is to educate and train the Corps of Cadets so that each graduate shall have the attributes essential to professional growth as an officer of the Regular Army, and to inspire each to a lifetime of service to the Nation. The United States Military Academy is							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993								
INSTALLATION AND LOCATION: United States Military Academy New York										
<p>10. MISSION OR MAJOR FUNCTIONS: (...CONTINUED)</p> <p>the installation manager for Stewart Army Sub-Post, which is included for purposes of family housing.</p>										
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:</p> <table style="width: 100%; border: none;"> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>A. AIR POLLUTION</td> <td style="text-align: right;">315</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">777</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	A. AIR POLLUTION	315	B. WATER POLLUTION	777	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)									
A. AIR POLLUTION	315									
B. WATER POLLUTION	777									
C. OCCUPATIONAL SAFETY AND HEALTH	0									

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION United States Military Academy, New York				4. PROJECT TITLE Family Housing Replacement Construction				
5. PROGRAM ELEMENT 88741A		6. CATEGORY CODE 711	7. PROJECT NUMBER 39483		8. PROJECT COST (\$000) Auth 15,000 Approp 15,000			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>								8,679
Family Housing					SF	138,400	57.77	(7,995)
Rock excavation					CY	6,000	88.49	(531)
Drainage Landings					LS	--	--	(123)
Information Systems					FA	100	300.00	(30)
<u>SUPPORTING FACILITIES</u>								4,880
Electric Service					LS	--	--	(488)
Water, Sewer, Gas					LS	--	--	(1,092)
Paving, Walks, Curbs And Gutters					LS	--	--	(402)
Storm Drainage					LS	--	--	(236)
Site Imp(1,520) Demo(1,072)					LS	--	--	(2,592)
Information Systems					LS	--	--	(70)
ESTIMATED CONTRACT COST								13,559
CONTINGENCY PERCENT (5.00%)								678
SUBTOTAL								14,237
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								854
TOTAL REQUEST								15,091
TOTAL REQUEST (ROUNDED)								15,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(0)
10. Description of Proposed Construction Whole neighborhood revitalization by replacement of 134 existing uneconomical to revitalize Wherry family housing units with 100 company grade and senior enlisted units to be constructed at a new site. Demolish 134 existing units (211,500 SF). Rock excavation and drainage landings for replacement housing are additional to the normal primary facility cost due to abnormal site conditions. Dwellings will be factory built/manufactured houses and/or conventionally on-site constructed houses. The design will include wood frame construction, brick veneer or stucco and prefinished siding. Site improvements include a through access road, drainage, underground utilities (sized for future increments), sewage lift station, street lighting, traffic systems, neighborhood recreation, off-street parking, fencing and landscaping. At least five percent of the units will be accessible and easily modifiable to accommodate handicapped occupants. Quarters will be air-conditioned. Project will provide kitchen ranges, refrigerators, dishwashers, garbage disposals, hard wired interconnected smoke detectors, hot water heaters, washer and dryer connections, and wiring for information systems (telephone and TV). Exterior telephone and cable TV information systems will be provided by local telephone/TV companies.								

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION United States Military Academy, New York						
4. PROJECT TITLE Family Housing Replacement Construction				5. PROJECT NUMBER 39483		
<u>DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)</u>						
		NET	PROJECT	UNIT	NO	(\$000)
GRADE	BEDROOM	AREA	FACTOR	COST	UNITS	TOTAL
CGO	4	1450	1.09	53	34	2,848
SRENL	3	1350	1.09	53	66	5,147
					100	7,995
<p><u>PROJECT:</u> Demolish 134 Wherry dwelling units and replace with 100 dwelling units for company grade officer and senior enlisted personnel. This is the first of a three phase program to replace 336 units which are uneconomical to revitalize. (Current Mission)</p> <p><u>REQUIREMENT:</u> This project is required to provide adequate, energy efficient family housing for personnel assigned to the staff and faculty of the U.S. Military Academy at West Point by eliminating inadequate existing housing which is in poor condition and uneconomical to revitalize.</p> <p><u>CURRENT SITUATION:</u> The units to be demolished have had only minor improvements since their original construction in 1954 and require major investments to allow continued use as family housing. Due to their age and present condition, maintenance and utility costs have been increasing annually, and have higher than the installation average operating and maintenance costs.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, service members will continue to reside in inadequate, deplorable housing. Separation of mission assigned personnel from the duty station has and will continue to adversely affect Cadet instruction and training for a major segment of the West Point community. Current conditions will continue to cause command problems with respect to maintenance, community life issues and inconvenience to quarters occupants.</p> <p><u>ADDITIONAL:</u> The economic analysis shows improvement to cost 70% of replacement housing. This analysis supports replacement housing as more cost effective when compared over their useful life. USMA's current housing market analysis (SHMA) validates the lack of adequate housing on the economy. This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991.</p>						

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT 93-01-22		2. FISCAL YEAR 1993		REPORT CONTROL SYMBOL		
3. DOD COMPONENT ARMY		4. REPORTING INSTALLATION						
5. DATA AS OF		a. NAME USMA Military Reservation A36993			b. LOCATION West Point NY 10996-1982			
ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OFFICER (a)	E9 - E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 - E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	934	1,377	4,598	6,909	908	1,156	4,356	6,420
7. PERMANENT PARTY PERSONNEL	934	1,192	124	2,250	908	1,156	98	2,162
8. GROSS FAMILY HOUSING REQUIREMENTS	871	923	40	1,834	772	903	37	1,712
9. TOTAL UNACCEPTABLY HOUSED (a+b+c)	0	211	38	249				
a. INVOLUNTARILY SEPARATED	0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	0	0	0	0				
c. UNACCEPTABLY HOUSED - IN COMMUNITY	0	211	38	249				
10. VOLUNTARY SEPARATIONS	18	8	0	26	13	4	0	17
11. EFFECTIVE HOUSING REQUIREMENTS	853	915	40	1,808	759	899	37	1,695
12. HOUSING ASSETS (a + b)	910	760	2	1,672	759	892	21	1,672
a. UNDER MILITARY CONTROL	845	701	0	1,546	681	846	19	1,546
(1) Housed in Existing DOD Owned/Controlled	788	645	0	1,433	681	846	19	1,546
(2) Under Contract / Approved					0	0	0	0
(3) Vacant	33	45	0	78				
(4) Inactive	24	11	0	35				
b. PRIVATE HOUSING	65	59	2	126	78	46	2	126
(1) Acceptably Housed	65	59	2	126				
(2) Acceptable Vacant Rental	0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT	(57)	155	38	136	0	7	16	23
14. PROPOSED PROJECT					34	66	0	100
15. REMARKS (Specify item number)								
Line 14. This project demolished 134 units and constructs 100 replacement units. This is the first of a three phase program that will ultimately replace 336 units which are uneconomical to revitalize.								
Company Grade 4 Bedroom 34 Units Senirc NCO 3 Bedroom 66 Units								

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Bragg North Carolina			4. COMMAND US Army Forces Command			5. AREA CONSTRUCTION COST INDEX 0.80	
6. PERSONNEL STRENGTH:							
		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLIST	CIVIL	OFFICER	ENLIST	CIVIL
TOTAL							
A. AS OF 30 SEP 1992	4918	34475	4234	278	1858	0	250 1270 1466 48,749
B. END FY 1999	5261	34316	5029	289	1325	0	250 1271 1466 49,207
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....		129,431 AC					
B. INVENTORY TOTAL AS OF 30 SEP 1992.....		3,068,225					
C. AUTHORIZATION NOT YET IN INVENTORY.....		0					
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....		18,000					
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....		0					
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....		0					
G. REMAINING DEFICIENCY.....		0					
H. GRAND TOTAL.....		3,086,225					
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)	START	COMPLETE	
711	35561	Family Housing Replacement Construction		18,000	TURNKEY		
TOTAL				18,000			
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM: NONE							
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
Support and training of an Airborne Division and non-divisional Support units; provides support to the USA John F. Kennedy Center for Military Assistance; XVIII Corps Headquarters and miscellaneous other tenant activities.							
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:							
				(\$000)			
A. AIR POLLUTION				1,684			
B. WATER POLLUTION				8,860			
C. OCCUPATIONAL SAFETY AND HEALTH				0			

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Fort Bragg, North Carolina				4. PROJECT TITLE Family Housing Replacement Construction				
5. PROGRAM ELEMENT 88741A		6. CATEGORY CODE 711	7. PROJECT NUMBER 35561		8. PROJECT COST (\$000) Auth 18,000 Approp 18,000			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>								11,223
Jr Enl Three BR Units					SF	268,800	41.55	(11,169)
Building Information Systems					LS	--	--	(54)
<u>SUPPORTING FACILITIES</u>								4,863
Electric Service					LS	--	--	(360)
Water, Sewer, Gas					LS	--	--	(450)
Paving, Walks, Curbs And Gutters					LS	--	--	(908)
Storm Drainage					LS	--	--	(155)
Site Imp(1,185) Demo(1,680)					LS	--	--	(2,865)
Information Systems					LS	--	--	(125)
ESTIMATED CONTRACT COST								16,086
CONTINGENCY PERCENT (5.00%)								804
SUBTOTAL								16,890
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								1,013
TOTAL REQUEST								17,903
TOTAL REQUEST (ROUNDED)								18,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(0)
10. Description of Proposed Construction Whole neighborhood revitalization by replacement of 224 junior enlisted Capehart dwelling units constructed in 1958 that are not economical to revitalize. The existing 224 housing units will be demolished and the site expanded to reduce the high density of units. Buildings will consist of variously configured one and two story multi-units and/or detached one or two story duplex units. Dwelling units will be factory built or conventionally site built houses with carports and patios. The design will include wood frame construction, brick veneer or stucco and prefinished siding. Supporting facilities include utilities, storm drainage, information (telephone and cable TV) systems, paving, walks, curbs and gutters, recreation facilities and landscaping. Project will provide kitchen range, refrigerator, garbage disposal, hot water heater, dishwasher and hard wired interconnected smoke detectors. At least five percent of the units will be accessible and easily modifiable to accommodate the requirements of the handicapped.								
Grade	Bedrooms	Net Area	Project Factor	Unit Cost	No. Units	(\$000) Total		
JRNCO	3	1200	0.784	53.00	224	11,169		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Bragg, North Carolina		
4. PROJECT TITLE Family Housing Replacement Construction	5. PROJECT NUMBER 35561	
<p>PROJECT: Whole neighborhood revitalization by replacement of 224 junior enlisted family housing units in housing areas 14 and 15 to current construction standards including the supporting infrastructure and neighborhood amenities. (Current Mission)</p> <p>REQUIREMENT: This project is required to improve living conditions of junior enlisted Capehart family quarters, neighborhood amenities and support facilities to meet current standards of size, habitability and safety.</p> <p>CURRENT SITUATION: These 224 dwelling units were constructed using the tract housing concept and suffer from numerous inadequacies typical of housing constructed under the Capehart program. Vehicle parking is lacking for residents, and visitors park on the grass. Interior and exterior storage is insufficient. The electrical systems are inadequate to accommodate the electronics that accompany today's typical family. The bathroom fixtures, plumbing, heating and air conditioning systems are deteriorated, require continual maintenance and repair, and need to be replaced. The two story units lack bathrooms on the first floor. Ceiling and wall insulation and thermal pane windows are required to improve energy efficiency. Roofs need to be replaced and the exterior finished with new siding. The overhead electrical wiring needs to be replaced with direct burial cable, existing water and sewer lines require replacement, and new playground equipment, privacy fences and landscaping are required. While these units are over thirty years old, they do not have the mature trees and landscaping associated with older neighborhoods. The units generally have a poor outside appearance and interior living environment.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, service members will continue to reside in inadequate housing which will continue to deteriorate. This adversely affects the health, safety and quality of life of these enlisted personnel and their families, with concurrent acceleration of maintenance costs.</p> <p>ADDITIONAL: The economic analysis shows revitalization to cost more than 100% of replacement of existing housing. This analysis shows replacement of existing housing to be more cost effective than revitalization when compared over their useful life. This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991.</p>		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT 93-01-22		2. FISCAL YEAR 1993		REPORT CONTROL SYMBOL		
3. DOD COMPONENT ARMY		4. REPORTING INSTALLATION						
5. DATA AS OF		a. NAME Fort Bragg A37225			b. LOCATION Fayetteville NC 28307-5000			
ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OFFICER (a)	E9 - E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 - E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	5,443	30,405	7,180	43,028	5,797	29,844	7,048	42,689
7. PERMANENT PARTY PERSONNEL	5,305	29,269	7,129	41,703	5,641	29,074	6,917	41,632
8. GROSS FAMILY HOUSING REQUIREMENTS	3,796	17,996	1,300	23,092	4,036	17,876	1,261	23,173
9. TOTAL UNACCEPTABLY HOUSED (a+b+c)	0	1,174	33	1,207				
a. INVOLUNTARILY SEPARATED	0	121	23	144				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	0	1	0	1				
c. UNACCEPTABLY HOUSED - IN COMMUNITY	0	1,052	10	1,062				
10. VOLUNTARY SEPARATIONS	289	1,646	175	2,110	307	1,636	170	2,113
11. EFFECTIVE HOUSING REQUIREMENTS	3,507	16,350	1,125	20,982	3,729	16,240	1,091	21,060
12. HOUSING ASSETS (a + b)	3,759	15,384	1,102	20,245	3,729	15,509	1,091	20,329
a. UNDER MILITARY CONTROL	988	3,549	306	4,843	987	3,799	303	5,089
(1) Housed in Existing DOD Owned/Controlled	946	3,341	296	4,583	987	3,686	166	4,839
(2) Under Contract / Approved					0	113	137	250
(3) Vacant	38	167	10	215				
(4) Inactive	4	41	0	45				
b. PRIVATE HOUSING	2,771	11,835	796	15,402	2,742	11,710	788	15,240
(1) Acceptably Housed	2,771	11,835	796	15,402				
(2) Acceptable Vacant Rental	0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT	(252)	966	23	737	0	731	0	731
14. PROPOSED PROJECT					0	224	0	224
15. REMARKS (Specify item number)								
<p>Line 12b. Suitable community housing of the type needed is in short supply. The greatest need is affordable housing for lower enlisted grades. Although over 400 community housing units are available, almost all are priced beyond the reach of this group.</p> <p>Line 14. The proposed project consists of revitalizing 224 three bedroom dwelling units by replacement for junior enlisted personnel in housing areas 14 and 15 that are uneconomical to revitalize. There will be no net change to the inventory as a result of this project.</p>								

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROGRAM				2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort McCoy Wisconsin			4. COMMAND US Army Forces Command			5. AREA CONSTRUCTION COST INDEX 1.08	
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER ENL	CIVIL	OFFICER ENL	CIVIL	OFFICER ENL	CIVIL
A. AS OF 30 SEP 1992		37	108	72	342	43	88
B. END FY 1999		16	62	116	220	42	85
							TOTAL
							2,180
							2,564
7. INVENTORY DATA (\$000)							
A. TOTAL ACREAGE.....	60,279 AC						
B. INVENTORY TOTAL AS OF 30 SEP 1992.....							893,203
C. AUTHORIZATION NOT YET IN INVENTORY.....							0
D. AUTHORIZATION REQUESTED IN THE FY 1994 PROGRAM.....							2,950
E. AUTHORIZATION INCLUDED IN THE FY 1995 PROGRAM.....							0
F. PLANNED IN NEXT FOUR YEARS (NEW MISSION ONLY).....							0
G. REMAINING DEFICIENCY.....							0
H. GRAND TOTAL.....							896,153
8. PROJECTS REQUESTED IN THE FY 1994 PROGRAM:							
CATEGORY PROJECT				COST		DESIGN STATUS	
CODE	NUMBER	PROJECT TITLE		(\$000)		START	COMPLETE
711	12382	Family Housing Replacement Construction		2,950			
				TOTAL		2,950	
9. FUTURE PROJECTS:							
CATEGORY				COST			
CODE		PROJECT TITLE		(\$000)			
A. INCLUDED IN THE FY 1995 PROGRAM: NONE							
B. PLANNED NEXT FOUR PROGRAM YEARS (NEW MISSION ONLY): NONE							
10. MISSION OR MAJOR FUNCTIONS:							
The mission of Fort McCoy is to serve as a major support command for Active and Reserve Component activities in a six state region. Support services include providing facilities and training opportunities for Reserve and National Guard units (including maintenance for USAR equipment), and other activities. Fort McCoy is also a mobilization installation and serves as a host installation for a variety of tenants and user activities.							
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES:							
						(\$000)	
A. AIR POLLUTION						0	

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROGRAM	2. DATE APRIL 1993						
INSTALLATION AND LOCATION: Fort McCoy Wisconsin								
<p>11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (...CONTINUED)</p> <table> <tr> <td></td> <td style="text-align: right;">(\$000)</td> </tr> <tr> <td>B. WATER POLLUTION</td> <td style="text-align: right;">0</td> </tr> <tr> <td>C. OCCUPATIONAL SAFETY AND HEALTH</td> <td style="text-align: right;">0</td> </tr> </table>				(\$000)	B. WATER POLLUTION	0	C. OCCUPATIONAL SAFETY AND HEALTH	0
	(\$000)							
B. WATER POLLUTION	0							
C. OCCUPATIONAL SAFETY AND HEALTH	0							

1. COMPONENT ARMY	FY 1994	MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION Fort McCoy, Wisconsin	4. PROJECT TITLE Family Housing Replacement Construction
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5. PROGRAM ELEMENT 88741A	6. CATEGORY CODE 711	7. PROJECT NUMBER 12382	8. PROJECT COST (\$000) Auth 2,950 Approp 2,950
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9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY				
Family Housing 16 Units	SP	23,525	60.45	1,427 (1,422)
Building Information Systems	LS	--	--	(5)
SUPPORTING FACILITIES				
Electric Service	LS	--	--	1,217 (200)
Water, Sewer, & Gas	LS	--	--	(407)
Paving, Walks, Curbs & Gutters	LS	--	--	(129)
Storm Drainage	LS	--	--	(22)
Site Imp(280) Demo(179)	LS	--	--	(459)
ESTIMATED CONTRACT COST				2,644
CONTINGENCY PERCENT (5.00%)				132
SUBTOTAL				2,776
SUPERVISION, INSPECTION & OVERHEAD (6.00%)				167
TOTAL REQUEST				2,943
TOTAL REQUEST (ROUNDED)				2,950
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS				(0)

10. Description of Proposed Construction Whole neighborhood revitalization by replacement of 16 existing substandard family housing units with 16 three, four and five bedroom officer and senior noncommissioned officer family dwelling units with garages and demolish 16 substandard quarters with garages (31,131 square feet). Construction will consist of variously configured multi-units and single buildings. Dwelling units will be factory built or manufactured houses and/or conventionally constructed on site. The dwelling units will be heated and air conditioned with natural gas furnaces. The design will include wood frame construction, brick veneer or stucco and prefinished siding. Project will provide appliances, laundry hook-up and wiring for information systems (telephone and TV). At least five percent of the dwelling units will be constructed such that they may be easily modified to accommodate handicapped occupants. Supporting facilities include grading, paving, curb and gutter, sidewalks, driveways, recreational facilities, tot lots, landscaping, storm drainage, sewage lift station, street lighting and utilities. The site and common use facilities will be accessible to the physically handicapped.

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort McCoy, Wisconsin

4. PROJECT TITLE Family Housing Replacement Construction	5. PROJECT NUMBER 12382
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DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)

GRADE	NUMBER BEDROOM	NET AREA	PROJ FACTOR	\$/NSF	NUMBER UNITS	TOTAL COST (\$000)
CO	4	1870	1.14	53.00	1	113
FGO	3	1400	1.14	53.00	3	254
FGO	4	1550	1.14	53.00	3	281
CGO	4	1450	1.14	53.00	3	263
CGO	3	1350	1.14	53.00	3	245
SEN NCO	5	1705	1.14	53.00	1	103
SEN NCO	3	1350	1.14	53.00	2	163
					16	1,422

PROJECT: Whole neighborhood revitalization by replacement of 16 substandard officer and senior noncommissioned officer family dwelling units to current construction standards including the supporting infrastructure, energy conservation and neighborhood amenities. (Current Mission)

REQUIREMENT: This project is required to provide adequate family housing facilities for military personnel of Fort McCoy and their families. Adequate permanent facilities do not exist on post.

CURRENT SITUATION: All 16 existing on post family quarters are substandard, none of which were originally designed as family housing. Approximately 40 years old, these structures were converted from other uses to family housing. They contain asbestos, lead base paint and are costly to operate and maintain. The existing community housing inventory and its rate of expansion are minimally adequate to support the needs of the local population, but not to support the housing needs of Fort McCoy's military population. A 31 December 1989 Segmented Housing Market Analysis identified a housing shortage. The local housing industry is not capable of building enough new units to meet the housing needs of Ft. McCoy even in an extremely strong rental housing market, much less in the current rental housing market. This exacerbates the already severe housing shortage for Fort McCoy personnel. Median household income is 85 percent of the national average with dispersion skewed toward low income. This income distribution places a severe demand on reasonably priced housing, most of which are for sale as owner occupied units. Vacancy rates of less than .3 percent cause military personnel to pay higher prices for smaller, lower quality housing with longer commute distances.

IMPACT IF NOT PROVIDED: If this project is not provided, adequate housing will not be available, high maintenance and energy costs will continue to accelerate, and the health, safety and quality of life of the occupants will continue to be adversely affected.

ADDITIONAL: This project has been coordinated with the installation physical

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort McCoy, Wisconsin		
4. PROJECT TITLE Family Housing Replacement Construction	5. PROJECT NUMBER 12382	
<p>ADDITIONAL: (CONTINUED)</p> <p>security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991.</p>		

MILITARY FAMILY HOUSING JUSTIFICATION

1. DATE OF REPORT
93-01-22

2. FISCAL YEAR
1993

REPORT CONTROL SYMBOL

3. DOD COMPONENT
ARMY

4. REPORTING INSTALLATION

5. DATA AS OF

a. NAME
**Fort McCoy
A55425**

b. LOCATION
**Sparta
WI 54656-5000**

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OFFICER (a)	E9 - E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 - E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	152	489	49	690	173	334	14	521
7. PERMANENT PARTY PERSONNEL	82	198	9	289	60	140	6	206
8. GROSS FAMILY HOUSING REQUIREMENTS	72	168	3	243	53	120	2	175
9. TOTAL UNACCEPTABLY HOUSED (a+b+c)	21	41	3	65				
a. INVOLUNTARILY SEPARATED	3	6	0	9				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	2	10	1	13				
c. UNACCEPTABLY HOUSED - IN COMMUNITY	16	25	2	43				
10. VOLUNTARY SEPARATIONS	2	14	0	16	1	9	0	10
11. EFFECTIVE HOUSING REQUIREMENTS	70	154	3	227	52	111	2	165
12. HOUSING ASSETS (a + b)	49	118	1	168	34	71	0	105
a. UNDER MILITARY CONTROL	25	55	0	80	25	55	0	80
(1) Housed in Existing DOD Owned/Controlled	25	55	0	80	25	55	0	80
(2) Under Contract / Approved								
(3) Vacant	0	0	0	0				
(4) Inactive	0	0	0	0				
b. PRIVATE HOUSING	24	63	1	88	9	16	0	25
(1) Acceptably Housed	24	58	0	82				
(2) Acceptable Vacant Rental	0	5	1	6				
13. EFFECTIVE HOUSING DEFICIT	21	36	2	59	18	40	2	60
14. PROPOSED PROJECT					13	3	0	16

15. REMARKS (Specify item number)

Line 12b. Currently Fort McCoy does not have any adequate housing on-post. There are 128 families on the waiting list. This situation has placed a strain on military readiness of the installation. The commander must have his key and essential personnel ready at hand during any military emergency or national crises. The housing in the community is scarce and is not affordable for junior military personnel.

Line 14. This project demolishes 16 substandard units and replaces them with 16 new units.

- 4 Bedroom Senior Officer 1 Unit
- 4 Bedroom Field Grade Officer 3 Units
- 3 Bedroom Field Grade Officer 3 Units
- 4 Bedroom Company Grade Officer 3 Units
- 3 Bedroom Company Grade Officer 3 Units
- 5 Bedroom Senior NCO 1 Unit
- 3 Bedroom Senior NCO 2 Units

April 1993

ARMY FAMILY HOUSING
FY 1994 BUDGET ESTIMATES
POST ACQUISITION CONSTRUCTION

(\$ In Thousands)

FY 1994 Program	67,530
FY 1993 Current Est	92,600

Purpose and Scope

The Army operates and maintains an inventory of over 145,000 family housing units. The average age of these units exceeds 30 years. Many of these units require major expenditures for improvements or revitalization to meet contemporary living standards and to provide some of the modern amenities found in comparable community housing. The Post Acquisition program provides this needed revitalization. The proposed work will increase the useful life of our investment by 35 years and concurrently accomplish delayed/deferred maintenance and repairs.

The Army is continuing to place major emphasis on the "whole neighborhood" revitalization concept which considers the requirement of the total neighborhood including the dwelling units, supporting utilities, energy conservation, roads, playgrounds, and community facilities. This will eliminate much of the existing stereotype construction, upgrade quarters to more livable condition, and provide functional units in more attractive housing areas. Economic analyses have been used to determine whether revitalization or replacement housing is the wiser long-term investment. We have eliminated overseas post acquisition construction projects from this submittal due to the uncertainties involved in overseas basing, especially in Europe. We are not neglecting our overseas locations; however we are budgeting only maintenance and repair requirements essential to restoring badly deteriorated facilities.

Program Summary

Authorization is requested for appropriation for whole neighborhood revitalization and improvements of 1,125 units as follows:

a. Projects to exceed the \$50,000 per dwelling unit (adjusted by the area construction factor) statutory funding limitation to perform:

(1) Whole neighborhood revitalization of 83 units at Fort Carson, CO.

(2) Whole neighborhood revitalization of 7 units at Savanna Army Depot, IL.

PAGE NO. 59

(3) Revitalization of one historic General Officer quarters by installing central airconditioning, replacing the heating system and repairing interior at Fort Leavenworth, KS.

(4) Whole neighborhood revitalization of 154 units at Fort Campbell, KY.

(5) Whole neighborhood revitalization of 7 units, including two General Officer quarters, and revitalization of 5 units at Aberdeen Proving Ground, MD.

(6) Whole neighborhood revitalization of 50 units at White Sands Missile Range, NM.

(7) Whole neighborhood revitalization of 58 units at the United States Military Academy, NY.

(8) Whole neighborhood revitalization of 270 units at Fort Lee, VA.

(9) Whole neighborhood revitalization of 73 historic units, including 3 General Officer quarters, at Fort Monroe, VA.

b. Various improvements to existing family quarters with costs less than the statutory funding limitation.

Authorization is requested to exceed the maximum net square footage (NSF) limitation as set forth in Section 2826, Title 10, United States Code, for two General Officer quarters at Fort Jackson, SC. The project (enclosing atriums) would increase the quarters by 77 and 98 NSF. Funding will be from proceeds obtained through an approved land sale to a private developer.

Funding Summary

Regular Improvements Program <u>(\$000)</u>	Requested Authorization Amount <u>(\$000)</u>
\$67,530	\$67,530

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993?	
3. INSTALLATION AND LOCATION Various Locations - Continental and Overseas				4. PROJECT TITLE Army Family Housing Post Acquisition Construction		
5. PROGRAM ELEMENT 88742A		6. CATEGORY CODE 711	7. PROJECT NUMBER AFH		8. PROJECT COST (\$000) Auth 67,530 Approp 67,530	
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	UNIT COST
Post Acquisition Construction Improvements					LS	67,530
Projects qualifying for the Defense Energy Conservation Investment Program (ECIP)					LS	0
TOTAL						67,530
10. Description of Proposed Construction						
<p>These projects provide needed revitalization of family housing units that do not meet contemporary criteria for livability. Revitalization projects provide for renewal of the whole house which considers upgrading kitchens (to include dishwashers, garbage disposals and range hoods) and bathrooms, installation of new half-baths (where required), increasing net square footage to space currently authorized, installation of central air conditioning and heating systems, relocation of ductwork above ceilings as required to prevent the possibility of termiticide contamination, exterior storage, carports, parking, patios, and replacement of supporting infrastructure i.e.: utility distribution, storm sewers, roads, landscaping and recreation facilities.</p> <p>Selected projects will eliminate the substandard condition in those units currently classified as substandard.</p>						

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4. PROJECT TITLE Army Family Housing Post Acquisition Construction	5. PROJECT NUMBER	
<p>11. REQUIREMENTS: The numerous acquisitions of the post war period have left a legacy of houses that are over thirty five years old which require major revitalization. The improvement requirements of the inventory have increased faster than prior years programs have met. Consequently, there is an on going requirement to renew and upgrade quarters including upgrading/replacement of the supporting infrastructure and recreational facilities. Units must be revitalized/improved due to age and obsolescence as contemporary standards have evolved. Since units are fully occupied and in high demand, accomplishing the program requires that a systematic revitalization effort be maintained. Units have deteriorated support systems and size/functionality deficiencies that are not adequate for today's family.</p> <p>IMPACT IF NOT PROVIDED: The desired/required improvements to our service members' quality of life will not be realized. Family housing units and supporting systems will continue to be used as is with increasing obsolescence, recurring maintenance costs and unnecessarily high energy use. The President's goal of 20% energy reduction between 1985 and 2000 will not be met. Soldiers and their families will continue to live in quarters that are below accepted standards, affecting their duty performance and adversely impacting on the Army's mission.</p>		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Various Locations - Continental and Overseas

4. PROJECT TITLE Army Family Housing Post Acquisition Construction	5. PROJECT NUMBER
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DESCRIPTION OF WORK TO BE ACCOMPLISHED

Country/State Installation and Project

	Post Acquisition Construction	ECIP	CWE (\$000) Total
	-----	----	-----

Colorado
Fort Carson
 (Project Number 38475) 5,900
 Whole neighborhood revitalization of company, field and senior grade officer Capehart family housing comparable to new construction standards including supporting infrastructure, community recreational facilities and energy conservation improvements - 83 units. (Separate DD Form 1391 is attached).
 Installation Total 5,900

Illinois
Savanna Army Depot
 (Project Number 28473) 640
 Whole neighborhood revitalization of officer and senior enlisted family housing comparable to new construction standards including supporting infrastructure, community recreational facilities and energy conservation improvements - 7 units. (Separate DD Form 1391 is attached).
 Installation Total 640

Kansas
Fort Leavenworth
 (Project Number 36580) 20
 Improve historic General Officer Quarters by installing central air conditioning. This project will be accomplished concurrently with a maintenance and repair (M&R) project to replace a failing heating system (34.0K), paint exterior (12.0K), repair and replace walls and ceilings (30.4K), and repaint interior (12.2K) - 1 unit. Note: Total M&R and improvements = 108.6K. (Separate DD Form 1391 is attached).
 Installation Total 20

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Virginia			
Fort Monroe			
(Project Number 25517)	11,800		
Whole neighborhood revitalization of historic general, field and company grade officer and enlisted family housing quarters. Repair or replace windows, construct full and half baths, provide additional kitchen and storage cabinets and shelves, add closets, provide ground fault interrupt receptacles, upgrade insulation, extend fire separation walls, renovate existing baths, repair and refinish all walls and ceilings, repoint brickwork and upgrade supporting infrastructure and neighborhood recreational facilities - 73 units. (Separate DD Form 1391 is attached).			
Installation Total			11,800
USA TOTALS	67,530		67,530
Total USA and Overseas	67,530		67,530

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Fort Carson, Colorado				4. PROJECT TITLE Family Housing Improvements		
5. PROGRAM ELEMENT 88742A		6. CATEGORY CODE 711	7. PROJECT NUMBER 38475		8. PROJECT COST (\$000) Auth 5,900 Approp 5,900	
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	COST (\$000)
PRIMARY FACILITY						3,944
Revitalize Officer Quarters				FA	83	(3,944)
SUPPORTING FACILITIES						1,135
Electric Service				LS	--	(136)
Water, Sewer, Gas				LS	--	(589)
Paving, Walks, Curbs And Gutters				LS	--	(410)
ESTIMATED CONTRACT COST						5,079
CONTINGENCY PERCENT (10.0%)						508
SUBTOTAL						5,587
SUPERVISION, INSPECTION & OVERHEAD (6.00%)						335
TOTAL REQUEST						5,922
TOTAL REQUEST (ROUNDED)						5,900
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS						(0)
10. Description of Proposed Construction Whole neighborhood revitalization of 30 company grade, 45 field grade and 8 senior officer Capehart family quarters constructed in 1957-58 comparable to current construction standards, including neighborhood amenities and supporting infrastructure. Scope of work includes adding first floor bathrooms, wall and ceiling insulation, air conditioning, entry vestibules, privacy fencing, carports with bulk storage and trash enclosures, and window blinds. Renovate kitchens and bathrooms, and replace heating, plumbing, electrical and information systems, hot water heaters, windows, vinyl flooring, wood trim and wall and ceiling surfaces. Refinish stairs and hardwood floors, and replace doors and roofs as required. Abatement of asbestos and lead base paint is required. Paint interior and exterior. Supporting facility work includes replacing sewer laterals, electrical distribution and streetlights. Repair or replace patios, sidewalks, driveways and roads. Renovate playgrounds, add jogging path, relandscape and correct surface drainage.						
PROJECT: Whole neighborhood revitalization of 83 company, field and senior grade officer family quarters. (Current Mission)						

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Carson, Colorado		
4. PROJECT TITLE Family Housing Improvements	5. PROJECT NUMBER 38475	
<p>REQUIREMENT: This project is required to improve conditions of officer family quarters, neighborhood amenities and supporting infrastructure to meet current standards of size, habitability, safety, energy conservation and to extend the quarters useful life expectancy.</p> <p>CURRENT SITUATION: These dwelling units were constructed in 1957-58. The two story, 2, 3 and 4 bedroom units have one bathroom located on the second floor with no half bath provided on the first floor. Bathrooms present a rundown/unsanitary appearance. The many coats of paint, nearly 1/8" deep, are chipping and revealing the lead base paint used in original construction. Kitchens are worn due to fair wear and tear, and mechanical and electrical systems are deteriorated, thereby increasing maintenance requirements. Energy conservation goals are difficult to attain due to lack of insulation and efficient equipment.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, service members will continue to reside in inadequate housing which will continue to deteriorate. This adversely affects the health, safety and quality of life of the occupants. Maintenance and energy costs will continue to accelerate, diverting limited operating funds and precluding attainment of energy reduction goals.</p> <p>ADDITIONAL: This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991. The economic analysis shows revitalization to cost 63% of replacement construction. This analysis also shows revitalization to be more cost effective than replacement when compared over their useful life.</p>		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Savanna Army Depot, Illinois			4. PROJECT TITLE Family Housing Improvements					
5. PROGRAM ELEMENT 88742A		6. CATEGORY CODE 711	7. PROJECT NUMBER 28473		8. PROJECT COST (\$000) Auth 640 Approp 640			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>								500
Revitalize Family Dwelling Units					FA	5	68,520	(343)
Revitalize/Add Baths					FA	2	78,550	(157)
<u>SUPPORTING FACILITIES</u>								51
Electric Service					LS	--	--	(6)
Site Imp(45) Demo()					LS	--	--	(45)
ESTIMATED CONTRACT COST								551
CONTINGENCY PERCENT (10.0%)								55
SUBTOTAL								606
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								36
TOTAL REQUEST								642
TOTAL REQUEST (ROUNDED)								640
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(0)
10. Description of Proposed Construction Whole neighborhood revitalization of seven dwelling units built 1917/18 and occupied by all grades to current construction standards including neighborhood amenities, supporting infrastructure and energy efficiency. Work includes replacing the heating system and installing air conditioning and adding wall and ceiling insulation; upgrading interior and exterior electrical service; lead base paint abatement; remodeling kitchens and baths; replacement of carpet and refinishing hardwood floors; adding additional baths (2 DUs); installing life safety sprinklers to one third story unit (1 DU); replace asbestos shingles and roofing, gutters and downspouts; aesthetic treatment of exposed plumbing, and repairing fireplaces. Playgrounds and landscaping will be provided.								
<u>PROJECT:</u> Whole neighborhood revitalization of 7 officer quarters utilized by officer and senior enlisted personnel. (Current Mission)								
<u>REQUIREMENT:</u> This project is required to improve existing conditions to conform to adequate standards of comfort, habitability and safety, and to extend the life of these quarters.								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Savanna Army Depot, Illinois		
4. PROJECT TITLE Family Housing Improvements	5. PROJECT NUMBER 28473	
<p><u>CURRENT SITUATION:</u> The existing seven units lack central air conditioning. Receptacles are available for only one window air conditioning unit which is unacceptable. Third floor unit lacks life safety sprinklers. Carpet and floors are worn and need replacement. These buildings are heated by steam from a central oil fired, high pressure heating plant. Radiators need replacement. All family housing dwellings are 70 years old or older and require extensive interior upgrade to bring the units up to current standards. Two units lack an adequate number of bathrooms. No major renovation projects have been performed in these units other than required maintenance and repair. The commander's quarters has a NSF of 5523, the duplex units have 3079 NSF each, and the four-plex units have 2169 NSF each, none of which will be increased as a result of this project.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the quarters will continue to deteriorate with maintenance costs continuing to accelerate and the health, safety and quality of life of the occupants will be diminished.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no security improvements are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991. The economic analysis shows revitalization to cost 66% of replacement of existing housing, and shows improvement of existing housing to be less costly than replacement housing when compared over their useful life.</p>		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993		
3. INSTALLATION AND LOCATION Fort Leavenworth, Kansas				4. PROJECT TITLE Family Housing Improvements			
5. PROGRAM ELEMENT 88742A		6. CATEGORY CODE 711	7. PROJECT NUMBER 36580		8. PROJECT COST (\$000) Auth 20 Approp 20		
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY							
Central Air Conditioning				FA	1	15,005	15 (15)
SUPPORTING FACILITIES							
ESTIMATED CONTRACT COST							15
CONTINGENCY PERCENT (5.00%)							<u>1</u>
SUBTOTAL							16
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							<u>1</u>
TOTAL REQUEST							17
TOTAL REQUEST (ROUNDED)							20
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
10. Description of Proposed Construction							
Install central air conditioning in an historic General Officer Quarters located at 1 Scott Avenue. This project will be accomplished concurrently with a maintenance and repair (M&R) project to replace a failed heating system (34.0K); paint exterior (12.0K); repair and replace walls and ceilings (30.4K); and repaint interior (12.2K). The subtotal for the M&R is 88.6K. The total concurrent M&R and improvements is 108.6K.							
PROJECT: This project will provide central air conditioning to one General Officer Quarters to be accomplished concurrently with replacement of the heating system. This building was constructed in 1864 and is located within the Fort Leavenworth National Historic Landmark District. (Current Mission)							
REQUIREMENT: Central air conditioning is authorized in this geographic area. The most effective method to accomplish the installation of central air conditioning is in conjunction with the related M&R project to replace the heating system.							
CURRENT SITUATION: This GFOQ is presently being cooled inefficiently with occupant owned window air conditioners. These units damage the windows and adjacent wall areas due to their weight and release of condensation.							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Leavenworth, Kansas		
4. PROJECT TITLE Family Housing Improvements	5. PROJECT NUMBER 36580	
<p><u>IMPACT IF NOT PROVIDED:</u> This GFOQ will continue to be cooled with occupant owned energy inefficient window units, not conforming to the policy of providing central air conditioning in all family quarters where authorized by location. This residence is structurally sound, however, the mechanical systems are failing and need repair by replacement. This GFOQ is one of the landmarks of the installation and it is in the best interest of the Army to retain it.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan and no additional security improvements are required. This project complies with the scope and design criteria of DOD 4270.1-M, Construction Criteria, that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), 'Design Criteria, dated 9 December 1991.</p>		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Fort Campbell, Kentucky				4. PROJECT TITLE Family Housing Improvements				
5. PROGRAM ELEMENT 88742A		6. CATEGORY CODE 711	7. PROJECT NUMBER 17751		8. PROJECT COST (\$000) Auth 10,200 Approp 10,200			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>								8,227
2 Bedroom, CGO					FA	58	42,600	(2,471)
3 Bedroom, FGO					FA	28	61,500	(1,722)
3 Bedroom, CGO					FA	61	58,800	(3,587)
4 Bedroom, FGO					FA	7	63,900	(447)
<u>SUPPORTING FACILITIES</u>								590
Electric Service					LS	---	---	(200)
Water, Sewer, Gas					LS	---	---	(96)
Paving, Walks, Curbs And Gutters					LS	---	---	(45)
Site Imp(249) Demo()					LS	---	---	(249)
ESTIMATED CONTRACT COST								8,817
CONTINGENCY PERCENT (10.0%)								882
SUBTOTAL								9,699
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								582
TOTAL REQUEST								10,281
TOTAL REQUEST (ROUNDED)								10,200
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(0)
10. Description of Proposed Construction Whole neighborhood revitalization of 154 company and field grade officer quarters, single and duplex one story units, constructed in 1952-1958 in three separate housing areas (Campbell Army Airfield, Turner Loop, and Werner Park) including neighborhood amenities, infrastructure, and energy efficiency. Work includes increasing the net square footage to allow improvements to the floor plan, redesign of the kitchen and bathroom(s), added family room, laundry room, and additional bath for 61 three bedroom units. Replace windows and blinds, interior doors and hardware, floor covering and insulation to all units to improve energy efficiency. Upgrade the electrical system to include fixtures and relocate the main panel to the utility/laundry room. Repair the plumbing, replace the interior trim and paint the interior. Asbestos and lead paint abatement as required. Replace the patio slab and add covers and privacy fencing. In 35 field grade officer and five company grade officer units, replace the carport, exterior storage and driveways/parking areas. In the other houses, replace the carport roofs and paint. Neighborhood amenities include placing telephone, TV cable and electrical lines underground, additional street/security lighting, adding tot lots, playgrounds, multi-purpose courts, bus stop shelters and landscaping. Repair or replace utility lines (gas, water, sewer and storm sewer), provide								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Campbell, Kentucky		
4. PROJECT TITLE Family Housing Improvements	5. PROJECT NUMBER 17751	
<p><u>DESCRIPTION OF PROPOSED CONSTRUCTION:</u> (CONTINUED)</p> <p>curbs, gutters and sidewalks, repave streets and upgrade signage to include entrance signs. Five percent of these quarters will be accessible and easily modifiable to accommodate the requirements of the handicapped.</p>		
<p><u>PROJECT:</u> Whole neighborhood revitalization of 35 field grade officer and 119 company grade officer quarters to include neighborhood amenities and supporting facilities to current construction standards. (Current Mission)</p> <p><u>REQUIREMENT:</u> This project is required to improve existing conditions of these field and company grade officer family quarters, neighborhood amenities and support facilities to meet current standards of size, habitability, safety, energy conservation, and to extend the life expectancy of these units.</p> <p><u>CURRENT SITUATION:</u> These units have not been renovated since they were constructed. The seven four-bedroom field grade units in Turner Loop with 1,543 net square feet (NSF) have no bathrooms accessible without going through a bedroom. Sixty company grade three-bedroom units in Werner Park (1,047 NSF) and one three-bedroom unit at Campbell Army Airfield (1,171 NSF) have only one bathroom. Thirty-two two-bedroom company grade quarters in Werner Park have 864 NSF and 28 field grade officer units in Turner Loop have 1,295 NSF. There are 22 two-bedroom units with 1,011 NSF in Werner Park. Additionally the four three-bedroom duplexes at Campbell Army Airfield with 942 NSF will be converted to two-bedroom quarters. The washer and dryer are located in the kitchen in 149 units. Kitchen and bathroom fixtures are deteriorated, and plumbing and electrical systems need upgrading. None of the units have family rooms. The patio slabs and carport roofs are cracked and broken. Many of the units do not have fencing, and and broken. Sidewalks, drop-inlets, curbs and gutters are cracked or broken. Turner Loop gas lines need replacing and many of the utility lines need to be repaired or replaced throughout all three housing areas. Streets need repair and ponding is evident in the streets and around the dwelling units. Neighborhood recreational equipment is inadequate to meet the needs of the families.</p>		
<p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, service members will continue to reside in inadequate housing which will continue to deteriorate, adversely affecting the health, safety and quality of life of these company and field grade officer personnel and their families, with maintenance and utility costs continuing to accelerate.</p>		
<p><u>ADDITIONAL:</u> The economic analysis shows revitalization to cost 69% of replacement housing. This analysis shows improvement of existing housing to be more cost effective than replacement housing when compared over their useful life. This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991.</p>		

1. COMPONENT ARMY		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION Aberdeen Proving Ground, Maryland				4. PROJECT TITLE Family Housing Improvements			
5. PROGRAM ELEMENT 88742A		6. CATEGORY CODE 711		7. PROJECT NUMBER 17649		8. PROJECT COST (\$000) Auth 110 Approp 110	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							98
Revitalize GFOQ 1				FA	1	48,400	(48)
Revitalize GFOQ 10				FA	1	44,900	(45)
Building Information Systems				LS	--	--	(5)
<u>SUPPORTING FACILITIES</u>							
ESTIMATED CONTRACT COST							98
CONTINGENCY PERCENT (10.0%)							10
SUBTOTAL							108
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							6
TOTAL REQUEST							114
TOTAL REQUEST (ROUNDED)							110
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
10. Description of Proposed Construction Whole neighborhood revitalization of two General Flag Officer's Quarters constructed in 1935. Quarters 1 is the designated quarters for the Commander, U.S. Army Test and Evaluation Command and Quarters 10 is designated for the Commander, U.S. Army Ordnance Center and School. Scope of work includes upgrading the heating system, installation of central air conditioning, upgrade of interior electrical wiring, and wall and attic insulation. This project includes all work required to bring these quarters up to current standards.							
<u>PROJECT:</u> Revitalize two General Flag Officer Quarters. (Current Mission)							
<u>REQUIREMENT:</u> This project is required to improve existing conditions of these General Officer's Quarters (GFOQ) to adequate standards of comfort, habitability and safety, to provide quarters comparable to new construction standards, and to extend the life expectancy of these quarters.							
<u>CURRENT SITUATION:</u> Units lack a central heating/cooling system and adequate attic and wall insulation. Insulation on the electrical wiring has become old and brittle posing a safety hazard.							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Aberdeen Proving Ground, Maryland		
4. PROJECT TITLE Family Housing Improvements	5. PROJECT NUMBER 17649	
<p><u>IMPACT IF NOT PROVIDED:</u> Delay in accomplishment of this project will result in costly maintenance and repairs, lack of central air conditioning, wasted energy, and impacting the health, safety, and quality of life of these Commanders.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no security improvements are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991. Revitalization is 31% of replacement construction.</p>		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Aberdeen Proving Ground, Maryland				4. PROJECT TITLE Family Housing Improvements				
5. PROGRAM ELEMENT 88742A		6. CATEGORY CODE 711	7. PROJECT NUMBER 39370	8. PROJECT COST (\$000) Auth 460 Approp 460				
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY								396
Revitalize Senior Officer Qtrs					FA	1	95,000	(95)
Revitalize Field Grade Qtrs					FA	4	75,200	(301)
SUPPORTING FACILITIES								
ESTIMATED CONTRACT COST								396
CONTINGENCY PERCENT (10.0%)								40
SUBTOTAL								436
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								26
TOTAL REQUEST								462
TOTAL REQUEST (ROUNDED)								460
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(0)
10. Description of Proposed Construction Revitalize one senior officer, and four field grade officer family housing quarters constructed from 1913-1927. Work includes upgrading heating systems, installing central air conditioning, replacing interior electrical wiring, repairing plaster walls and ceilings, adding insulation, lead paint removal, increasing bedroom closet space, and replacing or refurbishing interior doors. Replace garages in 4 field grade officer quarters.								
PROJECT: Revitalize one senior officer, and four field grade officer family housing quarters. (Current Mission)								
REQUIREMENT: This project is required to install central air conditioning, improve existing living conditions, reduce energy consumption, accomplish deferred maintenance, reduce routine recurring maintenance and extend the life expectancy of the quarters.								
CURRENT SITUATION: These quarters are partially cooled during the summer months with occupant owned window air conditioning units. The attics are not insulated, resulting in a high use of energy for heating. The garages are deteriorated to the point of becoming a safety hazard. Existing conditions include spalling plaster with lead paint and interior doors which are aged,								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Aberdeen Proving Ground, Maryland		
4. PROJECT TITLE Family Housing Improvements	5. PROJECT NUMBER 39370	
<p>CURRENT SITUATION: (CONTINUED) split and heavily coated with paint. Asbestos was previously removed. The interior wiring is dry, brittle and presents a potential safety hazard as well as attributing to costly repairs and maintenance. Bedroom closet space is inadequate.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, the quarters will continue to deteriorate with annual maintenance costs increasing and the health, safety and quality of life of the occupants will be affected. Operating costs will continue to increase, adversely affecting the Army's goal of a 20% reduction in energy consumption.</p> <p>ADDITIONAL: This project has been coordinated with the installation physical security plan, and no security improvements are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria", as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991. Sr. officer quarters, 6 BR, is 3,044 NSF and the four field grade quarters, 4 BR, have 1780 NSF. The net square footage of these units will not change, and all work required to bring these units up to current standards is included. While not historical, they are highly desirable, well built units that contribute positively to the installation. The economic analysis shows revitalization to cost 69% of replacement of existing housing, and shows improvement of existing housing to be less costly than replacement housing when compared over their useful life.</p>		

1. COMPONENT ARMY		FY 1994		MILITARY CONSTRUCTION PROJECT DATA		2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION White Sands Missile Range, New Mexico				4. PROJECT TITLE Family Housing Improvements			
5. PROGRAM ELEMENT 88742A		6. CATEGORY CODE 711		7. PROJECT NUMBER 3943		8. PROJECT COST (\$000) Auth 3,300 Approp 3,300	
9. COST ESTIMATES							
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>							2,568
Revitalize 3 BR Quarters				FA	50	51,352	(2,568)
<u>SUPPORTING FACILITIES</u>							253
Electric Service				LS	--	--	(100)
Water, Sewer, Gas				LS	--	--	(57)
Paving, Walks, Curbs And Gutters				LS	--	--	(86)
Site Imp(10) Demo()				LS	--	--	(10)
ESTIMATED CONTRACT COST							2,821
CONTINGENCY PERCENT (10.0%)							282
SUBTOTAL							3,103
SUPERVISION, INSPECTION & OVERHEAD (6.00%)							186
TOTAL REQUEST							3,289
TOTAL REQUEST (ROUNDED)							3,300
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS							(0)
10. Description of Proposed Construction Whole neighborhood revitalization of 50 junior enlisted single story, three bedroom family quarters constructed in 1950 to current construction standards including neighborhood amenities, supporting infrastructure and energy efficiency. Work includes increasing the net square footage to current standards, constructing a second full bath, interior modification to improve floor plan, redesign and upgrade of kitchens, provide pantry and family room. Replace flat roofs with sloped roofs and paint interior. Support facilities include patios, replacing detached garages, paving driveways and installing privacy fencing, landscaping, streetlights, storm drainage and sidewalks. Repair or replace exterior utility lines (water and sewer), provide 18 additional off-street parking spaces and resurface streets. Asbestos has been removed but minor lead paint abatement or removal is involved. Five percent of these quarters will be accessible and easily modifiable to accommodate the requirements of the handicapped.							
PROJECT: Whole neighborhood revitalization of 50 junior enlisted quarters to include neighborhood amenities and supporting facilities to current construction standards. (Current Mission)							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION White Sands Missile Range, New Mexico		
4. PROJECT TITLE Family Housing Improvements	5. PROJECT NUMBER 3943	
<p><u>REQUIREMENT:</u> This project is required to improve existing conditions of junior noncommissioned officer family quarters, neighborhood amenities and support facilities to meet current standards of size, habitability, safety, energy conservation, and to extend the life of these units.</p> <p><u>CURRENT SITUATION:</u> The units are structurally sound, but the interiors are worn out, need remodeling and lack a second full bath. Garages are too small for use by current type/size vehicles and must be replaced. Eighteen units lack off-street parking. Existing bathroom fixtures have deteriorated. Additional sidewalks and privacy fences are required. Utility systems and streets are in need of repair. Storm water runoff ponds in streets and around houses due to inadequate drainage. Neighborhood recreational facilities consist of inadequate tot lots. Existing net square footage is 1148 SF and will be increased to 1200 NSF.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, service members will continue to reside in minimum standard housing which will continue to deteriorate. This adversely affects the health, safety and quality of life of these enlisted personnel and their families. Maintenance and energy cost will continue to accelerate, precluding attainment of energy reduction.</p> <p><u>ADDITIONAL:</u> No physical security and/or CBT/T measures are required. This project complies with the scope and design criteria of the Army's Architectural and Engineering Instruction (AEI), Design Criteria, dated 9 December 1991. The net square footage (NSF) will be increased from 1148 NSF to the allowable 1200 NSF. The economic analysis shows revitalization to cost 57% of replacement of existing housing, and shows improvement of existing housing to be less costly than replacement housing when compared over their useful life.</p>		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993	
3. INSTALLATION AND LOCATION United States Military Academy, New York				4. PROJECT TITLE Family Housing Improvements		
5. PROGRAM ELEMENT 88742A		6. CATEGORY CODE 711	7. PROJECT NUMBER 31106		8. PROJECT COST (\$000) Auth 4,200 Approp 4,200	
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	COST (\$000)
<u>PRIMARY FACILITY</u>						3,126
Revitalize Field Grade Units				FA	58	53,904 (3,126)
<u>SUPPORTING FACILITIES</u>						480
Paving, Walks, Curbs & Gutters				LS	--	-- (480)
ESTIMATED CONTRACT COST						3,606
CONTINGENCY PERCENT (10.0%)						361
SUBTOTAL						3,967
SUPERVISION, INSPECTION & OVERHEAD (6.00%)						238
TOTAL REQUEST						4,205
TOTAL REQUEST (ROUNDED)						4,200
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS						(0)
10. Description of Proposed Construction Revitalize 58 historic five bedroom field grade officer quarters constructed in 1935 in the Lee Housing Area. This is the second of a three phase program for renewal of 128 family housing quarters. The interior and exterior spaces require repairs and improvement in varying amounts. Scope of work includes renovating kitchens, providing additional counter space, cabinets, garbage disposal, exhaust range hood, dishwashers, and ground fault receptacles; bathroom renovation includes ceramic tile walls/floors, plumbing, lighting fixtures, bathroom accessories, ground fault receptacles and exhaust fans. Reconfigure layout of second floor master bath and basement bathroom. Enclose utility area, replace electric outlets for dryer and washer, install dryer vents, replace water and drain connections for washer, replace laundry sink and provide storage cabinets. Replace seven wood double hung windows and seven basement windows in each unit. Replace all entry doors to include over head garage door. Remove and replace all unsound and defective plaster walls and ceilings. Electrical upgrade to current standards including interior and exterior light fixtures and exterior ground fault receptacles. Provide air conditioning and remove any concealed asbestos insulation encountered. Repair slate roofing. Site work includes widening of existing driveways, walkways, front and rear porch repairs. Complete interior						

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION United States Military Academy, New York		
4. PROJECT TITLE Family Housing Improvements	5. PROJECT NUMBER 31106	
<u>DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)</u> and exterior painting.		
<u>PROJECT:</u> Revitalize 58 historic field grade officer family housing quarters as the second of three phases of work. (Current Mission)		
<u>REQUIREMENT:</u> This project is required to improve existing conditions of the quarters to conform to adequate standards of comfort, habitability, safety, and to extend the life expectancy of the quarters.		
<u>CURRENT SITUATION:</u> The existing kitchens have insufficient work areas for use of current day household appliances. Existing bathrooms have adequate plumbing but fixtures are worn out, insufficient electrical outlets and baths without showers. The utility areas require improvement of lighting, dryer vents and utility connections. These units, Old Doubles, consist of 29 two story brick duplex buildings with slate roofs, five bedrooms, three baths, full basement, 1327 net square feet with attached garage. Previous major M&R work: partial window replacement 1978, kitchen repairs 1978, insulation 1982, furnace replacement 1987, fireplace repairs 1989. These units contain fixtures and finishes that were installed when built over 50 years ago and have outlived their economic life. Building functional design or capacity will not be altered by this project.		
<u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, the quarters will continue to deteriorate with maintenance costs continuing to accelerate and the health, safety and quality of life of the occupants will be diminished.		
<u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991. Life cycle economic analysis supports revitalization as compared to replacement construction and shows revitalization to cost 53% of replacement construction.		

1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE APRIL 1993			
3. INSTALLATION AND LOCATION Fort Lee, Virginia				4. PROJECT TITLE Family Housing Improvements				
5. PROGRAM ELEMENT 88742A		6. CATEGORY CODE 711	7. PROJECT NUMBER 17028		8. PROJECT COST (\$000) Auth 15,000 Approp 15,000			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITY</u>								7,875
Revitalize Jr Enl Quarters					FA	180	43,750	(7,875)
<u>SUPPORTING FACILITIES</u>								4,904
Electric Service					LS	---	---	(589)
Water, Sewer, Gas					LS	---	---	(349)
Paving, Walks, Curbs And Gutters					LS	---	---	(644)
Storm Drainage					LS	---	---	(190)
Site Imp(538) Demo()					LS	---	---	(538)
Other					LS	---	---	(2,594)
ESTIMATED CONTRACT COST								12,779
CONTINGENCY PERCENT (10.0%)								1,278
SUBTOTAL								14,057
SUPERVISION, INSPECTION & OVERHEAD (6.00%)								843
TOTAL REQUEST								14,900
TOTAL REQUEST (ROUNDED)								15,000
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS								(0)
10. Description of Proposed Construction Whole neighborhood revitalization of 180 junior enlisted 2, 3 and 4 bedroom family quarters and community support facilities for 90 additional (270 total) units constructed during 1950 - 1953. Scope of work includes renovation of kitchen and bathrooms, replacement of heating and air conditioning systems, smoke detectors, gas hot water heater, pipe insulation, windows and doors. Provide building envelope insulation, telephone and cable TV outlets, and carports with bulk storage and trash enclosures. Refinish or replace interior floors, walls, ceilings, trim, stair treads and railings. Renovate exterior facade to reflect townhouse configuration including new pitched roof. Lead base paint and asbestos abatement is required. Five percent of the units will be revitalized such that they will be accessible and easily modifiable to accommodate the requirements of the handicapped. Supporting facility work for 270 units includes additional parking, storm drainage, landscaping, upgrade of electrical distribution and streetlight systems, repair or replacement of water distribution, sanitary sewer and information systems, traffic control devices and signage, community center, recreation facilities, tot lots and upgrade of community entrance gateways.								

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Lee, Virginia		
4. PROJECT TITLE Family Housing Improvements	5. PROJECT NUMBER 17028	
<p>PROJECT: Whole neighborhood revitalization of 270 junior enlisted family quarters in the Jackson Circle housing area. (Current Mission)</p> <p>REQUIREMENT: This project is required to improve existing conditions of the quarters to conform to adequate standards of comfort, habitability and safety, to provide quarters comparable to new construction standards, and to extend the life expectancy of the quarters.</p> <p>CURRENT SITUATION: Of these quarters, 180 have had no major improvements since their original construction. Maintenance and utility costs have increased rapidly due to age and deterioration. This project will eliminate over 1.76 million dollars of deferred maintenance and repair (DMAR). Covered parking, exterior storage, patios/decks, privacy fencing, trash enclosures and adequate off street parking are non existent. Interiors and exteriors have deteriorated due to normal wear and tear and numerous changes in occupants. Kitchens have inadequate storage and electrical outlets and some do not have garbage disposals, dishwashers or range hoods. Kitchen cabinets and sinks are deteriorated, reflecting many years of fair wear and tear. This project will add bathrooms to some units, replace worn and failing fixtures and replace cracked and mismatched tiles and finishes. HVAC systems are inefficient and have exceeded their useful life expectancy. Electrical systems do not meet current codes. There are limited playgrounds, tot-lots, family recreational areas, and sidewalks. This project will bring these quarters up to current standards, incorporate ideas from occupants and extend unit life expectancy by 25 - 30 years.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, the quarters will continue to deteriorate with maintenance costs continuing to accelerate and the health, safety, and quality of life of the occupants will be diminished.</p> <p>ADDITIONAL: This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991. A life cycle cost analysis comparing revitalization to replacement construction and off-post leasing has been completed, and concludes that revitalization is the most cost effective alternative.</p>		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION Fort Monroe, Virginia	4. PROJECT TITLE Family Housing Improvements
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5. PROGRAM ELEMENT 88742A	6. CATEGORY CODE 711	7. PROJECT NUMBER 25517	8. PROJECT COST (\$000) Auth 11,800 Approp 11,800
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9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIMARY FACILITY				8,730
Type 9 - GOQ	FA	3	162,289	(487)
Type 6 - Duplex COL	FA	6	128,616	(772)
Type 10 - Duplex COL	FA	12	149,631	(1,796)
Type 21 - Duplex COL	FA	2	107,727	(215)
Type 4 - Quad SrNCO	FA	12	112,250	(1,347)
Total from Continuation page				(4,113)
SUPPORTING FACILITIES				1,310
Site Imp(1,310) Demo()	LS	--	--	(1,310)
ESTIMATED CONTRACT COST				10,040
CONTINGENCY PERCENT (10.0%)				1,004
SUBTOTAL				11,044
SUPERVISION, INSPECTION & OVERHEAD (6.00%)				663
TOTAL REQUEST				11,707
TOTAL REQUEST (ROUNDED)				11,800
INSTALLED EQUIPMENT-OTHER APPROPRIATIONS				(0)

10. Description of Proposed Construction Whole neighborhood revitalization of 73 historical family quarters consisting of 3 general officer, 20 colonel, 32 company/field grade officer, and 18 senior and junior noncommissioned officer family housing dwellings. Work includes, but is not limited to, installing central air conditioning, upgrading heating system, attic ventilation, ceiling fans and repairs to interior and exterior finishes, underground utility lines, plumbing systems (interior/exterior), exposed conduit, kitchen and baths renovation, unit insulation, laundry facilities, sealing fireplaces, extending firewalls, and window restoration/repair. Repairs are required to foundations, exterior hatch doors, porches and structure, pavement areas, and privacy fencing. Site drainage and grading will be provided where required. Utility systems will be master metered, upgrade natural gas service, garages/carport and exterior lighting improved, and storm drainage, parking, jogging trail and tot lots upgraded. The functional layout of some units will be altered to provide additional baths or improved floor plan. Neighborhood improvements will enhance aesthetics and overall appearance of these historic quarters. Lead paint abatement and removal of asbestos siding is required.

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
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3. INSTALLATION AND LOCATION
Fort Monroe, Virginia

4. PROJECT TITLE Family Housing Improvements	5. PROJECT NUMBER 25517
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9. COST ESTIMATES (CONTINUED)

<u>Item</u>	<u>U/M</u>	<u>QTY</u>	<u>Unit COST</u>	<u>Cost (\$000)</u>
<u>PRIMARY FACILITY (CONTINUED)</u>				
Type 4 - Quad Co Grade	FA	24	112,250	(2,694)
Type 15 - Quad Field Grade	FA	8	113,945	(912)
Type 7 - Single Family JrNCO	FA	4	78,815	(315)
Type 27 - Single Family SrNCO	FA	1	96,460	(96)
Type 31 - Single Family SrNCO	FA	1	96,460	(96)
			Total	4,113

PROJECT: Whole neighborhood revitalization of 73 historic General Officer, colonel, field and company grade officer, and senior and junior noncommissioned officer family housing quarters. (Current Mission)

REQUIREMENT: This project is required to improve existing conditions of these historic quarters to conform to adequate standards of comfort, habitability, safety, and to extend the life expectancy of the quarters. Work identified incorporates the criteria and recommendations of the Mariani and Associates study of historical quarters and a separate Architect/Engineer study.

CURRENT SITUATION: These quarters are part of the Fort Monroe National Historic Landmark District, and date to the turn of the century. Central air conditioning does not exist in these quarters, and the existing oil fired heating systems are failing. Kitchens, laundry and bathrooms do not meet current living standards. Counter tops and cabinet fronts are worn and dilapidated. Counter, shelving and cabinet space is severely lacking and cannot accommodate modern appliances nor allow for sufficient work space. Built-in appliances have reached their life expectancy. Interior spaces are awkwardly laid out in some quarters, making them difficult to work and live in. Electrical fixtures, outlets and wiring do not meet current standards. Existing dryer vents run through lower window sashes making for a shabby appearance and eliminating the ability to open the window. Kitchen and bathroom fixtures are aged and worn due to normal wear and tear. Plumbing in some quarters leak, causing water damage to ceiling floors. Closet space is inadequate. Basement doors have deteriorated significantly due to exposure to weather over the years and are warped, allowing water to enter the basement. Exterior and interior door hardware is worn, maintenance intensive and requires replacement. Door and window frames require restoration due to their age and normal wear and tear. Windows are not properly insulated and many are inoperable with broken hardware. Interior finishes to include walls, floors and ceilings require repairs and refinishing. Door and window frames, walls and ceilings are covered with paint build-up and are unsightly due to cracking and peeling of old paint. Original exposed paint layers are lead based, posing

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Monroe, Virginia		
4. PROJECT TITLE Family Housing Improvements	5. PROJECT NUMBER 25517	
<p><u>CURRENT SITUATION:</u> (CONTINUED)</p> <p>a health threat. Some units do not have adequate exterior storage facilities and most do not have patios. The present metal roofing system is corroded and pitted. Flashing at critical joints does not exist on some units. Replacement with asphalt shingles where historically feasible is required. Site drainage is a problem during and after heavy rainfall. Ponding occurs in and around sidewalks, dwelling units and basements, and in some cases requires grading in order to alleviate the problem. Some wood floors cannot be further sanded and require carpeting. Fireplaces cause energy inefficiency and can cause a safety hazard from clogged flues and should be closed off. Cable TV wires are strung along walls rather than having been furred in. Firewalls in multiunits need to be extended to conform to fire codes. Attic insulation is not of standard R-value causing energy inefficiency. Foundations of wood frame houses are in poor condition and require jacks to prevent failure of the structure. Mortar in mortar joints is deteriorated. Brickwork needs repointing. Deteriorating asbestos siding is present and exterior needs restoring. Steel siding is deteriorating and needs to be removed and exterior restored. Porch structures are in poor or failing condition and need repair or replacement. General exterior appearance needs upgrading within limits imposed by historic considerations. Exterior conduits are unsightly. Broken pavement at driveways or patios needs repair or replacement. Low maintenance landscaping and privacy wooden fencing is lacking at most quarters. Neighborhood amenities such as curb and gutters, sidewalks, fencing, underground cable TV connections, security/night lighting, general landscaping, garages or carports, basketball pads, and tot lots are lacking or need expansion or upgrading. Storm drainage, natural gas, parking areas and roads, and utility metering at quarters need to be installed or improved. Safety fencing, school bus shelter, and playground is lacking from the type 7 (Big Bethel) neighborhood. Gutter and downspouts require repair or replacement. Water lines from mains to the houses need to be replaced.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If this project is not provided, these historic quarters will continue to deteriorate with maintenance costs continuing to accelerate and the health, safety and quality of life of the occupants will be diminished.</p> <p><u>ADDITIONAL:</u> This project has been coordinated with the installation physical security plan, and no physical security and/or combatting terrorism (CBT/T) measures are required. This project complies with the scope and design criteria of DOD 4270.1-M, "Construction Criteria," that were in effect 1 January 1987, as implemented by the Army's Architectural and Engineering Instruction (AEI), "Design Criteria," dated 9 December 1991. Coordination with the State Historic Preservation Officer has been initiated and is ongoing. A life cycle cost analysis comparing revitalization to demolition and replacement is not a valid cost comparison as it does not consider replacement with an architecturally comparable structure or its historical significance within this historic landmark. All work performed in these units will consider</p>		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE APRIL 1993
3. INSTALLATION AND LOCATION Fort Monroe, Virginia		
4. PROJECT TITLE Family Housing Improvements	5. PROJECT NUMBER 25517	
<p>ADDITIONAL: (CONTINUED) the impact on a life cycle basis to assure the quarters are properly and most economically maintained into the future.</p>		

April 1993

ARMY FAMILY HOUSING
FISCAL YEAR 1994 RENTAL GUARANTEE PROGRAM

Purpose and Scope

The CONUS Rental Guarantee program, formerly known as the Section 802 program, is authorized in Section 2836 of PL 102-190, 5 December 1991. It permits the Army to guarantee 97 percent occupancy of housing units constructed at CONUS locations.

Program Summary

A contractor has constructed a 276-unit project at Kaneohe MCB, Hawaii, which was fully occupied by November 1992. Five hundred additional units are authorized, and continued authorization in FY 94 is requested. However, the Army is not pursuing further construction under this program pending results of the Navy's project to construct 368 units at West Loch, Hawaii, under the current legislative guidelines.

ARMY FAMILY HOUSING
Fiscal Year 1994 Section 2836 (802) Family Housing Summary

<u>Location</u>	<u>No. Units Authorized</u>	<u>FY of Initial Authorization</u>	<u>Date of Award</u>	<u>Date of Full Occupancy</u>	<u>FY 93 Units</u>	<u>FY 94 Units</u>
Oahu Consolidated Family Housing Office, HI	276 500	1987 1991	Jun 91 NA	Nov 92 NA	276	276
TOTAL 802	776	NA	NA	NA	276	276

April 1993

ARMY FAMILY HOUSING
FY 1994 BUDGET ESTIMATES
ADVANCE PLANNING AND DESIGN

(\$ In Thousands)

FY 1994 Program	11,805
FY 1993 Current Est	8,940

Purpose and Scope

This program provides for working drawings, specifications, cost estimates, project planning reports, final design drawings of family housing construction projects, and review of construction proposals. Included are architectural and engineering services in connection with any new family housing or post acquisition construction, along with costs incurred in developing requests for proposals. Additionally, these funds will be used to plan and design future year projects for new construction, improvements, and energy conservation.

Program Summary

Appropriation and authorization are required for \$11,805,000 in FY 94 to fund this construction planning and design.

The FY 94 funds provide for final design of FY 94 and FY 95 projects, and for concept designs of FY 96 and FY 97 programs to ensure that construction contracts can be awarded in the respective fiscal years.

The FY 94 planning and design program supports emphasis on the whole neighborhood revitalization program. Revitalization projects require a greater degree of customized planning and design than do new construction projects, such as integrating modernization and upgrade requirements, including supporting utilities and infrastructure, into existing structures of differing conditions.

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April 1993

ARMY FAMILY HOUSING
FY 1994 BUDGET ESTIMATES
OPERATIONS AND MAINTENANCE

(\$ In Thousands)

FY 1994 Program	857,033
FY 1993 Current Est	1,005,279

Purpose and Scope

a. **Operations Account.** This portion of the program provides for operating expenses in the following subaccounts and includes both direct and indirect support, as applicable:

Management - Provides resources for family housing management and installation administrative support and for services provided by the Community Homefinding, Relocation, and Referral Services. Includes housing requirements surveys, condition assessment of existing housing, and development of family housing construction and repair projects. Also includes the installation and operation of the Housing Operations Management Systems (HOMES) to improve housing management.

Services - Provides basic installation service support functions such as refuse collection and disposal, pest control, snow removal and street cleaning. Includes the cost of family housing's proportionate share of police and fire protection.

Furnishings - Provides for procurement, management, control, moving and handling of furnishings; plus maintenance, repair, and replacement of the existing furnishings inventory.

Miscellaneous - Provides payments to operate non-Department of Defense housing units occupied by Army personnel overseas.

b. **Utilities Account** - Includes the costs of heat, air conditioning, electricity, water, and sewage for family housing units. Also includes the costs to operate boiler plants and sewage systems used solely by family housing.

c. **Maintenance Account** - Provides the following activities required to maintain family housing real property assets:

o **Dwellings** - Includes service calls and routine maintenance, annual repairs, interior and exterior painting, between occupancy maintenance, repairing/restoring damages caused by fires or storms, and major repair work including projects deferred in prior years.

o Exterior Utilities - Includes costs for maintenance and repair of sewer and water lines, primary and secondary electric lines, and other exterior utilities exclusively for use by family housing.

o Other Real Property - Includes work on grounds, surfaced areas, and other real property serving family housing.

o Incidental Improvements - Includes low-cost minor (incidental) improvements for less than \$3,000 per dwelling unit normally performed concurrently with maintenance and repair projects. Also includes modifications to quarters to meet the needs of exceptional family members.

d. Reimbursement Authority - Provides authority to incur additional costs for services and repair of damages to be reimbursed with collection of payments from Federal and non-Federal sources.

April 1993

ARMY FAMILY HOUSING
FY 1994 BUDGET ESTIMATES
OPERATION AND MAINTENANCE
PROGRAM SUMMARY HIGHLIGHTS

(\$ In Thousands)

FY 1994 Program	857,033
FY 1993 Current Est	1,005,279

Authorization and appropriation are requested for \$857,033,000 for FY 1994. This amount, together with estimated reimbursements of \$18,000,000, will fund the Operations and Maintenance program of \$875,033,000. A summary follows (\$ in thousands):

<u>Operations</u>	<u>Utilities</u>	<u>Maintenance</u>	<u>Total</u>	<u>Reimburse-</u>	<u>Total</u>
<u>Request</u>	<u>Request</u>	<u>Request</u>	<u>Direct</u>	<u>ment</u>	<u>Program</u>
\$187,157	\$281,348	\$388,528	\$857,033	\$18,000	\$875,033

The FY 94 operations, utilities, and maintenance programs include the following major initiatives:

- o The continued installation, operation, maintenance, and improvement of the Housing Operations Management System (HOMES), an Army-wide computer system designed to assist in all phases of housing management. Ongoing initiatives include making HOMES more user friendly, establishing methods for system improvements and changes, and improving management output reports.

- o The continued effort to identify adequate housing in communities which is affordable for the soldier. Where shortages exist, housing surveys are reviewed and project proposals are developed to request new construction or leasing of additional housing for military families.

- o Support of the Army Energy Conservation goal of 1.3 percent. Utility consumption per unit is being reduced as a result of energy conserving repair and revitalization projects.

- o Continuation of the Quarters Cleaning Initiative (QCI) which helps limit expensive overseas temporary housing allowances (TLA) to three days in lieu of the 10-day maximum. As a result, QCI program costs are more than offset by known large savings in TLA accounts. The program also shortens the period between occupancy, which creates savings in other housing allowance accounts.

o Continuation of the program to revitalize the family housing inventory. Emphasis is placed on accomplishment of all work required to upgrade units to current construction standards and concurrently perform required maintenance and repairs. Result is extended life of the quarters, reduced future maintenance and utility costs, and increased occupancy in the out-years.

ARMY FAMILY HOUSING
 OPERATION AND MAINTENANCE, SUMMARY (FOREIGN)
 FISCAL YEAR 1994 BUDGET ESTIMATES

April 1993

(Excludes Leased Units and Costs)

	FY 92	FY 93	FY 94
	ACTUALS	CURRENT ESTIMATES	BUDGET ESTIMATES
A. INVENTORY DATA (FOREIGN)			
Units in Being EOY	46,584	43,303	35,782
Units in Being EOY	43,303	35,782	31,751
	TOTAL UNIT	TOTAL UNIT	TOTAL UNIT
	ACT COST	EST COST	EST COST
B. FUNDING REQUIREMENT	(\$000)	(\$000)	(\$000)
1. OPERATIONS			
a. Management	37,927 844	38,373 970	28,023 830
b. Services	21,146 471	17,478 442	13,490 400
c. Furnishings	49,947 1,111	27,888 705	23,278 689
d. Miscellaneous	1,622 36	1,649 42	1,482 44
SUBTOTAL OPERATIONS	110,642 2,462	85,388 2,159	66,273 1,963
2. UTILITIES	141,331 3,145	127,775 3,231	99,898 2,958
3. MAINTENANCE			
a. Maintenance & Repair of Dwellings	90,933 2,023	86,641 2,191	58,275 1,726
b. Exterior Utilities	5,075 113	4,835 122	3,252 96
c. Maint & Repair of Other Real Property	9,358 208	8,917 226	5,996 178
d. Alterations/Additions	3,068 68	2,924 74	1,966 58
SUBTOTAL MAINTENANCE	108,434 2,413	103,317 2,613	69,489 2,058
4. APPROPRIATION	360,407 8,019	316,480 8,004	235,660 6,979
5. REIMBURSABLE PROGRAM	3,663 82	6,871 174	6,871 203
6. TOTAL O&M PROGRAM	364,070 8,101	323,351 8,177	242,531 7,183

Exhibit FH-2

DoD Component: Army
Appropriation: AFH

April 1993

REAL PROPERTY MAINTENANCE ACTIVITIES
FY 1994 BUDGET ESTIMATES
OPERATION & MAINTENANCE COSTS
Real Property Maintenance and Minor Construction Projects*
(HISTORIC HOUSING COSTS)

HISTORIC HOUSING COST	<u>DU's</u>	<u>(\$000.) FY (94)</u>
A. Non GFOQ Dwelling Units (DU's)		
- Line-item Improvements:	131	14,940
- Maintenance and Repair:	47	1,060
B. GFOQ Dwelling Units (DU's)		
- Line-item Improvements:	4	480
- Maintenance and Repair:	28	1,779
C. Grand Total:	210	18,259

* Quarters designated as historically significant requiring major work performed to meet requirements stipulated by the National Historical Preservation Act of 1966 as amended. Major maintenance, repair, and improvement projects are included in the budget submission. Does not include minor recurring routine maintenance and repair.

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JUSTIFICATION

April 1993

MANAGEMENT SUBACCOUNT

<u>FY 93</u>	<u>FY 94</u>
\$93,678,000	\$81,163,000

The FY 94 request for the management subaccount is based on the level of effort required for housing staffs, referral services, housing surveys and project planning.

RECONCILIATION OF INCREASES AND DECREASES

	<u>(\$M)</u>
1. FY 93 President's Budget Request	93.7
2. FY 93 Appropriated Amount	93.7
3. FY 93 Current Estimate	93.7
4. Pricing	-2.7
a. Civilian Pay Raise	(-1.9)
b. Foreign Currency	(-.8)
5. Program Decreases	-9.8
a. Inventory Reduction	(-3.1)
b. Program Adjustments	(-6.7)
6. FY 94 Budget Estimate	81.2

Rationale for Changes in the Management Account

Program decreases reflect European drawdown and reduced inventory due to BRAC proposals. Program adjustments include command-initiated transfers and other internal actions.

JUSTIFICATION

April 1993

SERVICES SUBACCOUNT

	<u>FY 93</u>	<u>FY 94</u>
	\$64,840,000	\$62,447,000

The FY 94 request is based on the required level of support for refuse collection, street cleaning, fire protection, pest control, and custodial services. The requirements and adjustments are outlined below.

RECONCILIATION OF INCREASES AND DECREASES

	<u>(\$M)</u>
1. FY 1993 President's Budget Request	\$64.8
2. FY 1993 Appropriated Amount	\$64.8
3. FY 1993 Current Estimate	\$64.8
4. Pricing	-.3
Foreign Currency	(-0.3)
5. Program Decrease	-2.1
Inventory Adjustments	(-2.1)
6. FY 1994 Budget Estimate	\$62.4

Rationale for Changes in the Services Account

Program decrease reflects inventory adjustments, including reductions in Europe and base closures.

FURNISHINGS SUBACCOUNT

<u>FY 93</u>	<u>FY 94</u>
\$47,036,000	\$41,707,000

The furnishings subaccount is used primarily for the procurement, management, control, moving and handling, maintenance and repair of appliances (i.e., refrigerators, ranges, and, where authorized at OCONUS locations, washers and dryers) for all family quarters throughout the Army. In addition, furniture items such as beds, tables, dressers, etc., are authorized for OCONUS locations.

RECONCILIATION OF INCREASES AND DECREASES

	<u>(\$M)</u>
1. FY 93 President's Budget Request	52.0
2. Congressional Adjustment	-5.0
3. FY 93 Appropriated Amount	47.0
4. FY 93 Current Estimate	47.0
5. Pricing	-1.4
a. Civilian Pay Raise	(-1.0)
b. Foreign Currency	(-.4)
6.. Program Decreases	-3.9
a. Inventory Reduction	(-1.6)
b. Program Adjustments	(-2.3)
7. FY 94 Budget Estimate	41.7

Rationale for Changes in the Furnishings Account

Program decreases reflect a continuing reduction of AFH furniture and appliances, resulting from planned force structure drawdowns, realignments, and base closures.

JUSTIFICATION

April 1993

MISCELLANEOUS SUBACCOUNT

	<u>FY 93</u>	<u>FY 94</u>
	\$1,973,000	\$1,840,000

The FY 94 request includes sufficient resources to cover permit payments for housing U.S. soldiers in foreign locations.

RECONCILIATION OF INCREASES AND DECREASES

	<u>(\$M)</u>
1. FY 93 President's Budget Request	2.0
2. FY 93 Appropriated Amount	2.0
3. FY 93 Current Estimate	2.0
4. Pricing	-.1
Foreign Currency	(-.1)
5. Program Decrease	-.1
Program Adjustments	(-.1)
6. FY 94 Budget Estimate	1.8

Rationale for Changes in the Miscellaneous Account

Program decrease reflects lower permit payments and deletes accommodation charges, since housing has been turned over to the United Kingdom.

JUSTIFICATION

April 1993

UTILITIES ACCOUNT

	<u>FY 93</u>	<u>FY 94</u>
	\$313,736,000	\$281,348,000

This program provides for all utilities for Army Family Housing, which include electricity, natural and propane gas, steam hot water, fuel oil, coal, water and sewage. These are must-pay costs and are essential to keep family quarters occupied.

RECONCILIATION OF INCREASES AND DECREASES

	<u>(\$M)</u>
1. FY 1993 President's Budget Request	\$313.7
2. FY 1993 Appropriated Amount	\$313.7
3. FY 1993 Current Estimate	\$313.7
4. Pricing	4.4
a. Fuel Price Adjustments	(6.3)
b. Foreign currency	(-1.9)
5. Program Decreases	-36.8
a. Inventory Reduction	(-10.4)
b. Energy Consumption Reduction Goal	(- 4.1)
c. Program Adjustments	(-22.3)
6. FY 1994 Budget Estimates	\$281.3

Rationale for Changes in the Utilities Account

The energy consumption reduction goal of 1.3 percent has been considered in the program. It is anticipated that the established energy reduction goals between FY 85 and FY 95 will be met. Savings realized as a result of the energy conserving repair and improvement projects completed in prior years will continue to help achieve the energy reduction goals.

Inventory adjustments are based on BRAC, reductions in Europe, and increases due to new construction. Program adjustments are made based on unforeseen rate changes, weather conditions, increased savings from energy conserving projects and changes in projected inventory.

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JUSTIFICATION

April 1993

MAINTENANCE ACCOUNT

<u>FY 93</u>	<u>FY 94</u>
\$484,016,000	\$388,528,000

The family housing assets maintained by the Army are valued at over \$18 billion in replacement costs. To ensure that these facilities can be occupied continuously requires sound property management for preservation and protection of this major investment. The past decline of the dollar value overseas and budget constraints in prior years have had an adverse impact on the Army's program to contain the growth of deferred maintenance.

During FY 94 it is estimated that approximately 32,062 overseas units and associated costs of \$7,534 million will be required for quarters cleaning between change of occupancy.

RECONCILIATION OF INCREASES AND DECREASES

	<u>(\$M)</u>
1. FY 1993 President's Budget Request	\$495.8
2. Congressional Adjustment	-11.8
3. FY 1993 Appropriated Amount	\$484.0
4. FY 1993 Current Estimate	\$484.0
5. Pricing	-31.7
a. Inflation	(-27.0)
b. Foreign Currency	(- 4.7)
6. Program Decreases	-63.8
a. Inventory Reduction	(-16.5)
b. Major M&R Project Deletions	(-13.8)
c. Revitalization Reduction	(-33.5)
7. FY 1994 Budget Estimates	\$388.5

Rationale for Changes in the Maintenance Account

Program decreases reflect European drawdown and reduced inventory due to BRAC proposals. Decreases also reflect deletions of several programmed major M&R projects, mainly those in USAREUR. In addition, the revitalization of units contributes to the reduction of required major M&R projects within CONUS.

April 1993

ARMY FAMILY HOUSING
FY 1994 BUDGET ESTIMATES
SUMMARY BACKLOG OF DEFERRED MAINTENANCE
(\$M)

	<u>FY 92</u>	<u>FY 93</u>	<u>FY 94</u>
Beginning of Year DMAR	576	638	717
Revitalization Reduction	- 21	- 26	- 33
DMAR Inventory Reduction	- 18	- 33	- 45
Revalue Adjustment (Foreign Currency)	- 40	- 10	- 5
Revised Beginning of Year DMAR	497	569	634
DMAR Containment (Inflation & Deterioration)	28	31	34
Annual Maintenance Requirement	588	627	598
Total Maintenance Requirement	616	658	632
Total Maintenance Financed	449	484	389
Unfunded Requirement	+167	+174	+243
Adjusted DMAR Growth	- 25	- 26	- 37
Change in DMAR	+142	+148	+206
End of Year DMAR	638	717	840

DMAR Containment is computed by applying factors for inflation and deterioration on the beginning of year DMAR reduced by the impact of revitalization projects. The Annual Maintenance Requirement is computed by taking the average cost per dwelling unit (adjusted for inflation and the impact of revitalization) times the average inventory for the year.

The funding request for maintenance in FY 94 is still inadequate to contain the backlog of deferred maintenance and repairs (DMAR). Previous limited maintenance funding and high occupant turnover rates have accelerated deterioration of family quarters and the supporting infrastructure. Limited funding in recent years has also resulted in piece-meal or temporary repairs while more permanent solutions were deferred. Emphasis on timely maintenance and repairs is essential to ensure quarters are available for occupancy. Continually deferring such work increases the rate of deterioration, causing additional unfunded requirements in future years.

The Army has initiated a whole-house/whole-neighborhood concept to establish total funding required to bring existing facilities up to new construction standards. This concept combines all improvements with required maintenance and repairs into one project, minimizing quarters downtime and continual disruption to residents for piece-meal type work. Approximately 40 percent of the dollars in the revitalization program contributes to a reduction in DMAR.

To realize maximum benefit from available maintenance funds, the Army has reduced the maintenance and repair program in Germany to a level which will keep the dwelling units operational until closure decisions are finalized.

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1. COMPONENT ARMY		FY 1994 MILITARY CONSTRUCTION PROJECT DATA			2. DATE April 1993	
3. INSTALLATION AND LOCATION Various Locations - Continental			4. PROJECT TITLE AFH Maintenance and Repair Projects over \$15,000 per Dwelling Unit			
5. PROGRAM ELEMENT 887420		6. CATEGORY CODE 771	7. PROJECT NUMBER Congressional Report Request		8. PROJECT COST (\$000) \$2,010.0	
9. COST ESTIMATES						
ITEM			U/M	QUANTITY	UNIT COST	COST (\$000)
<u>Projects for Repairs to</u> Family Housing Dwelling Units (Non General/Flag Officer Qtrs (GFOQ))			DU	78	-	\$2,010.0
10. Description of Proposed Construction						
<p>Projects include work necessary to provide adequate family quarters by repairing/ replacing deteriorated building components, i.e., kitchen counters and cabinets, floors, walls, windows, mechanical, electrical, air conditioning and plumbing systems, kitchen and bath fixtures, roofing and exterior siding as required. Replacement of building components in quarters designated as historically significant are performed on life cycle analysis, as applicable, in coordination with the State Historical Preservation Office.</p>						
11. Requirement for Project:						
<p>PROJECT: Provides repair in 78 units by replacing deteriorated components and/or building systems. These units do not include general or flag officers quarters as projects for those units are reported separately</p>						

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE April 1993
3. INSTALLATION AND LOCATION Various Locations - Continental		
4. PROJECT TITLE Army Family Housing Maintenance and Repair Projects over \$15,000 per Dwelling Unit (DU)		5. PROJECT NUMBER P1920
<p>REQUIREMENTS: Projects are required to accomplish necessary repairs in family quarters to correct deficiencies due to continued use, deterioration or failure of building components. The work proposed is the type necessary to assure continued occupancy, adequately maintain the facility, prevent the unit from further deterioration and is based on life cycle analysis of the component. Projects are at CONUS locations.</p> <p>CURRENT SITUATION: These units vary in age up to 120 years. The buildings are structurally sound and worthy of investment; however, the facility components and utility systems are deteriorated to the extent that maintenance is no longer effective, and major repairs or replacement of components are required. Type of repairs to be performed are based on a cost analysis.</p> <p>NOTE: This information is provided in accordance with the House Appropriation Committee, Report 102-74, 22 May 1991, requiring the Services to report major repairs in family quarters where the costs (obligations) exceed \$15,000 per dwelling unit in a fiscal year. GFOQs are reported separately where the total obligations for maintenance and repair during the fiscal year will exceed \$25,000. The project listing allows for execution of the projects in FY 94. Work required in historical family quarters, designated as historically significant, has been identified and is being performed in consultation with applicable State Historic Preservation Offices.</p>		

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA					2. DATE April 1993	
3. INSTALLATION AND LOCATION Various Locations - Continental							
4. PROJECT TITLE Army Family Housing Maintenance and Repair Projects over \$15,000 per Dwelling Unit (DU)					5. PROJECT NUMBER P1920		
DESCRIPTION OF WORK TO BE ACCOMPLISHED							
<u>STATE</u> <u>INSTALLATION</u>	<u>NO.</u> <u>D.U.</u>	<u>YEAR</u> <u>BUILT</u>	(\$000) <u>AVE D.U.</u> <u>COST</u>	<u>AVG</u> <u>D.U.</u> <u>NSF</u>	<u>TOTAL</u> <u>PROJECT</u> <u>NSF</u>	(\$000) <u>TOTAL</u> <u>CWE</u>	(\$000) <u>CONCUR</u> <u>PAC</u>
<u>HAWAII</u>							
FORT SHAFTER Historical (PN 13840)	1	1907	60.0	2737	2737	60.0	0.0
Repair dwelling unit, Quarters 15, to include replacing existing interior plumbing and electrical systems. Total M&R + PAC past 5 years: Detailed prior costs are not available							
<u>ILLINOIS</u>							
ROCK ISLAND Historical (PN 41100)	1	1905	30.0	8310	8310	30.0	0.0
Repair dwelling unit, Quarters 6, to include replacing existing asphalt shingled roof, metal flashing, gutters and downspouts. Repair chimneys and ornamental iron braces. This unit also included in PN 41099 and 41114. Total M&R + PAC past 5 years: \$86,277.00.							
ROCK ISLAND Historical (PN 41099)	1	1905	70.0	8310	8310	70.0	0.0
Repair dwelling unit, Quarters 6, to include replacing of the electrical service including the weather head, meter, load center, wiring, receptacles and switches. Same unit as PN 41100. This unit also included in PN 41100 and 41114. Total M&R + PAC past 5 years: \$86,277.00.							
ROCK ISLAND Historical (PN 41114)	7	1872- 1905	18.6	5109	35,764	130.0	0.0
Repair dwelling units, Quarters 2, 3, 6, and 360 (4 units), by installing PVC drainage system around exterior foundation. Waterproof exterior foundation and repair cracks while perimeter is excavated. Total M&R + PAC past 5 years: \$328,761.00.							
<u>New Jersey</u>							
PICATINNY ARSENAL 22 (PN 40980)	1909- 1941	17.73	2118	46,597	390.0	0.0	
Repair dwelling units to include the replacement of exterior windows and existing storm doors. Total M&R + PAC past 5 years: \$243,900.00							

1. COMPONENT ARMY	FY 1994 MILITARY CONSTRUCTION PROJECT DATA	2. DATE April 1993
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3. INSTALLATION AND LOCATION
Various Locations - Continental

4. PROJECT TITLE Army Family Housing Maintenance and Repair Projects over \$15,000 per Dwelling Unit (DU)	5. PROJECT NUMBER P1920
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DESCRIPTION OF WORK TO BE ACCOMPLISHED

STATE <u>INSTALLATION</u>	NO. <u>D.U.</u>	YEAR <u>BUILT</u>	(\$000) AVE <u>D.U.</u> <u>COST</u>	AVG D.U. <u>NSF</u>	TOTAL PROJECT <u>NSF</u>	(\$000) TOTAL <u>CWE</u>	(\$000) CONCUR <u>PAC</u>
<u>TEXAS</u>							
FT SAM HOUSTON Historical (PN 40534)	40	1909	15.75	4606	184,233	630.0	0.0

Repair dwelling units to include cracks in exterior walls due to settlement. Repair roof damage due to shifting of the chimneys. Total M&R + PAC past 5 years: \$250,000.00.

FT SAM HOUSTON Historical (PN 38940)	1	1906	80.0	4613	4,613	80.0	0.0
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Repair dwelling unit to include repair or replacement of exterior masonry veneer and limestone lintels, rafters, roofing and roof flashing. Install steel tie rods in attic and at exterior walls. These repairs will correct structural problems which have developed since construction. Total M&R + PAC past 5 years: \$12,500.00.

<u>VIRGINIA</u>							
FT BELVOIR Historical (PN 41183)	7	1934	88.6	1852	12,964	620.0	0.0

Repair dwelling units to include the replacement of the boiler and hot water heater; repair the internal electrical system; repair one bathroom in each set of quarters; repair windows and exterior doors; repair the refuse wall and driveway; paint exterior trim; repair work includes the removal of asbestos pipe insulation incidental to boiler replacement. In addition, this project includes minor incidental improvements. Total M&R + PAC past 5 years: \$8,118.00

ARMY FAMILY HOUSING
FY 1994 BUDGET ESTIMATE SUBMISSION

SUMMARY OF ACTIONS TAKEN TO CONTROL AND REDUCE
EXPENDITURES IN GENERAL/FLAG OFFICER QUARTERS (GFOQ),
"HIGH-COST UNITS"

The Army operates and maintains 385 quarters designated for general officers. Occupants of these quarters come from all Services. Within CONUS, almost half of these units are over 75 years old and an additional 41 percent are between 50 and 75 years of age. The majority of our GFOQs were built prior to the current size limitations, therefore, they are generally larger than more contemporary structures.

Costs to operate these quarters continue to be closely scrutinized. It is our intent to ascertain that expenditures on these units, sometimes referred to as "high cost quarters", are wise and represent sound investments. Our efforts have focused on improving management, increasing occupant participation in controlling costs, and, in general, developing an awareness of "the cost to do business". Jointly, occupants and management exercise responsibility for the stewardship of these quarters by establishing a long range maintenance plan, which can be executed with a reasonable degree of certainty. This plan is updated every year and requires written concurrence from the occupant. Requests for work, not included in the long range plan, must have the occupant's personal signature before the work may be accomplished.

A regulation addressing all aspects of GFOQ management has been published. A copy of this regulation is provided to each occupant at the time the quarters are occupied. In addition, periodic communication with occupants through a variety of media, attempts to keep them informed and foster the prudent landlord concept. Annually, we conduct specialized training in the form of workshops. Also our major Army commands (MACOM) and many installations now have a single point of contact for matters concerning GFOQs.

Detailed cost accounting is maintained for each GFOQ. These costs are reviewed quarterly at the installation, semiannually at the MACOM, and annually at HQDA. In addition, the Secretariat reviews and approves all M&R projects which exceed \$15,000 and annual O&M costs in excess of \$50,000 per quarters in a fiscal year.

April 1993

DEPARTMENT OF THE ARMY

FISCAL YEAR 1994

GENERAL/FLAG OFFICER QUARTERS (GFOQs)
WHERE ANTICIPATED MAINTENANCE AND REPAIR
OBLIGATIONS WILL EXCEED \$25,000 PER DWELLING UNIT

This information is provided in accordance with the reporting requirement as stated in the Military Construction Appropriations Bill Report 102-580, June 18, 1992. This report provides information regarding the anticipated costs for those GFOQ's where maintenance and repair obligations in FY 94 are expected to exceed \$25,000 per dwelling unit. Annual lease costs are separately identified, where applicable. Maintenance and repairs include recurring work (service calls, preventive maintenance, and routine work between occupancy), as well as major repairs. In those quarters designated as historical, major work is coordinated with the appropriate State Historic Preservation office. Improvements (post acquisition construction funding) are identified separately if they are proposed to be funded in FY 94. Leased quarters exceeding \$20,000 are included in the Army's high cost lease authority in accordance with Military Construction Authorization Law. All leases executed or renewed where costs exceed \$20,000 require approval by the Secretary of the Army. A semi annual report is submitted to Congress. Post-Acquisition Construction for prior 5 years is identified separately, as applicable.

STATE	INSTALLATION	NET SQUARE	HIS-	YEAR	MAINT &		NEW
	<u>QTRS NO.</u>	<u>FOOTAGE</u>	<u>TORIC</u>	<u>BUILT</u>	<u>REPAIRS</u>	<u>LEASE</u>	<u>WORK</u>
CALIFORNIA							
	Ft Mason (PN UF00763-3P)						
	2 Ft Mason	4034	yes	1863	\$48,800	-	-

Maintenance and repairs include service calls - \$2,700;
recurring maintenance - \$1,700; interior painting - \$1,500;
exterior paint-\$700; between occupancy maintenance - \$600;
grounds maintenance -\$5,000; repair windows and screens - \$7,900;
foundation repairs-\$28,700.

April 1993

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 GENERAL/FLAG OFFICER QUARTERS
 (continued)

<u>STATE</u> <u>INSTALLATION</u> <u>OTRS NO.</u>	<u>NET SQUARE</u> <u>FOOTAGE</u>	<u>HIS-</u> <u>TORIC</u>	<u>YEAR</u> <u>BUILT</u>	<u>MAINT &</u> <u>REPAIRS</u>	<u>LEASE</u>	<u>NEW</u> <u>WORK</u>
DISTRICT OF COLUMBIA						
Ft McNair (PN 36638)						
4 Second Ave	3,169	yes	1903	\$91,500	-	-
5 Second Ave	3,197	yes	1903	\$91,500	-	-

Maintenance and repairs include service calls - \$3,000; change of occupancy maintenance - \$8,000; replacement of A/C unit \$16,500; repair/renovation of bathroom - \$17,300; repair/renovation of kitchen - \$23,000; exterior masonry repairs - \$2,500; repair fireplaces - \$2,800; replace fan coil units - \$18,400.

7 Second Ave	4,436	yes	1903	\$25,500	-	-
9 Second Ave	4,278	yes	1903	\$25,500	-	-
13 Second Ave	3,169	yes	1903	\$25,500	-	-
14 Second Ave	3,169	yes	1903	\$25,500	-	-

Maintenance and repairs include service calls - \$3,000; routine maintenance \$6,000; replacement of A/C unit - \$16,500.

GEORGIA

Ft Benning (PN 41212)						
100 Vibbert	6,118	yes	1918	\$34,200	-	-

Maintenance and repairs include service orders - \$1,100; recurring maintenance - \$4,000; interior painting - \$2,000; grounds maintenance - \$2,000; replacement of wooden balustrades \$8,900; and repair/replacement of porch and balcony - \$16,200.

Ft McPherson						
11E Staff Row	3204	yes	1891	\$34,800	-	-

Maintenance and repairs include service orders - \$2,300; recurring maintenance - \$1,000; grounds maintenance - \$1,000; repair and replacement of metal standing seam roof - \$28,000; replacement of downspouts - \$2,500.

April 1993

DEPARTMENT OF THE ARMY
FISCAL YEAR 1994
GENERAL/FLAG OFFICER QUARTERS
(continued)

<u>STATE</u>	<u>INSTALLATION</u>	<u>NET SQUARE</u>	<u>HIS-</u>	<u>YEAR</u>	<u>MAINT &</u>		<u>NEW</u>
	<u>OTRS NO.</u>	<u>FOOTAGE</u>	<u>TORIC</u>	<u>BUILT</u>	<u>REPAIRS</u>	<u>LEASE</u>	<u>WORK</u>

GEORGIA (cont)

Ft McPherson (cont)

	11W Staff Row 3204		yes	1891	\$41,400	-	-
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Maintenance and repairs include service orders - \$2,300; recurring maintenance - \$1,300; repair fireplace - \$1,000; repair air conditioning drainage system - \$1,500; repair back porch - \$2,000; repointing masonry - \$300; repair/replacement of metal standing seam roof - \$28,000; replacement of downspouts - \$2,500; grounds maintenance - \$1,000; repair patio sidewalk - \$1,500.

HAWAII

Ft Shafter (PN 41037)

	4 Palm Circle 4,480		yes	1907	\$101,000	-	-
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Maintenance and repairs include service orders - \$3,000; interior painting - \$4,000; repair/replacement of exterior wood and painting of exterior surfaces - \$13,500; grounds - \$2,000; interior plumbing repairs, including repair/renovation of two bathrooms and laundry room - \$18,500; interior electrical repairs \$31,500; repair/replacement of drywall incident to electrical and plumbing repairs - \$28,500.

	10 Palm Circle 4,609		yes	1907	\$31,000	-	-
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Maintenance and repairs include service orders - \$2,000; change of occupancy maintenance - \$15,000; exterior painting - \$12,000; grounds - \$2,000.

Hickam AFB (PN 40074)

	301 Julian 4,424		no	1941	\$63,200	-	-
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Maintenance and repairs include service orders - \$2,600; A/C maintenance - \$1,000; interior electric repairs - \$6,000; recurring maintenance - \$2,100; exterior painting - \$10,000; driveway repairs and resurfacing - \$35,000; grounds \$5,000; design costs - \$1,500.

April 1993

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 GENERAL/FLAG OFFICER QUARTERS
 (continued)

<u>STATE</u>	<u>INSTALLATION</u>	<u>NET SQUARE</u>	<u>HIS-</u>	<u>YEAR</u>	<u>MAINT &</u>	<u>LEASE</u>	<u>NEW</u>
	<u>OTRS NO.</u>	<u>FOOTAGE</u>	<u>TORIC</u>	<u>BUILT</u>	<u>REPAIRS</u>		<u>WORK</u>

HAWAII (cont)

Pearl Harbor

33 Makalapa	2,616	no	1941	\$26,800	-	-
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Maintenance and repairs include service orders - \$1,200; change of occupancy maintenance - \$2,700; replacement of canec ceilings \$20,900; grounds - \$2,000.

KENTUCKY

Fort Knox (PN 41057)

1 Fifth Ave	4,424	no	1939	\$40,700	-	-
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Maintenance and repairs include service orders - \$500; recurring maintenance - \$1,100; replacement of the roof, downspouts and gutters - \$35,000; grounds \$2,000; and design costs - \$2,100.

(PN 41057)

1401 5th Ave	2,132	no	1939	\$29,200	-	-
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Maintenance and repairs include service orders - \$400; recurring maintenance - \$1,100; design costs- \$2,700; grounds - \$2,000; repair of gutters and downspouts - \$1,000; interior painting and surface repairs - \$4,000; refinish floors - \$1,000; repair and renovate guest bath - \$3,000; insulate quarters - \$3,000; repair patio - \$1,500; repair sidewalk - \$1,500; renovate bathroom \$8,000.

(PN 41057)

1402 5th Ave	2,172	no	1934	\$42,900	-	-
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Maintenance and repairs include service orders - \$400; recurring maintenance - \$1,100; design costs- \$3,900; grounds - \$2,000; repair of gutters and downspouts - \$1,000; interior painting and surface repairs - \$4,000; refinish floors -\$1,000; repair/renovate guest bath - \$3,000; insulate quarters - \$3,000; repair patio \$1,500; repair sidewalk - \$2,000; renovate bathroom - \$8,000; kitchen/pantry renovation - \$12,000.

April 1993

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 GENERAL/FLAG OFFICER QUARTERS
 (continued)

<u>STATE</u>	<u>INSTALLATION</u>	<u>NET SQUARE</u>	<u>HIS-</u>	<u>YEAR</u>	<u>MAINT &</u>		<u>NEW</u>
	<u>QTRS NO.</u>	<u>FOOTAGE</u>	<u>TORIC</u>	<u>BUILT</u>	<u>REPAIRS</u>	<u>LEASE</u>	<u>WORK</u>

NEW JERSEY

Picatinny Arsenal (PN 40981)

112 Joyes Ln	4,334	yes	1902	\$48,900	-	-
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Maintenance and repairs include service orders - \$2,000; recurring maintenance - \$900; replacement of roof, flashing, downspouts and gutters - \$46,000.

NEW YORK

West Point (PN 41034)

100 Jefferson	10,558	yes	1820	\$79,100	-	-
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Maintenance and repairs include service orders - \$3,100; routine maintenance - \$3,400; touch-up painting - \$500; exterior brick and wood repairs and painting of all exterior trim - \$62,000; grounds - \$4,100; design costs - \$6,000.

(PN 41034)

101 Jefferson	4,400	yes	1820	\$58,000	-	-
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Maintenance and repairs include service orders - \$2,200; routine maintenance - \$3,400; exterior brick and wood repairs and painting of all exterior trim - \$45,000; grounds - \$3,400; design costs - \$4,000.

(PN 41034)

102 Jefferson	6,674	yes	1857	\$76,400	-	-
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Maintenance and repairs include service calls - \$2,200; routine maintenance - \$3,600; exterior brick and wood repairs and painting of all exterior trim - \$52,000; replacement of leaded glass windows and fireplace liner - \$7,000; installation of rear door overhang to divert water - \$2,500; grounds - \$4,100; design costs - \$5,000.

April 1993

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 GENERAL/FLAG OFFICER QUARTERS
 (continued)

<u>STATE</u> <u>INSTALLATION</u> <u>OTRS NO.</u>	<u>NET SQUARE</u> <u>FOOTAGE</u>	<u>HIS-</u> <u>TORIC</u>	<u>YEAR</u> <u>BUILT</u>	<u>MAINT &</u> <u>REPAIRS</u>	<u>LEASE</u>	<u>NEW</u> <u>WORK</u>
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TEXAS

Ft Sam Houston (PN 39271)

2 Staff Post	3,749	yes	1881	\$83,250	-	-
8 Staff Post	3,749	yes	1881	\$83,250	-	-
9 Staff Post	3,030	yes	1881	\$83,250	-	-
11 Staff Post	3,691	yes	1881	\$83,250	-	-

Maintenance and repairs include service calls - \$1,700; recurring maintenance - \$1,600; grounds - \$2,000; masonry restoration \$9,800; repair, replacement of roof - \$14,700; renovate kitchen \$28,000; renovate 3.5 bathrooms - \$20,000; replace hot water heater and domestic hot water pipes - \$2,950; repair fireplaces \$2,500.

(PN 39271)

6 Staff Post	5,876	yes	1881	\$118,450	-	-
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Maintenance and repairs include service calls - \$1,900; recurring maintenance - \$1,600; grounds - \$2,000; masonry restoration - \$9,800; repair, replacement of roof - \$14,700; renovate kitchen \$28,000; renovate 4.5 bathrooms - \$20,000; replace hot water heater and domestic hot water pipes - \$2,950; replace A/C - \$35,000; repair fireplaces \$2,500.

(PN39271)

10 Staff Post	4,035	yes	1881	\$148,550	-	-
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Maintenance and repairs include service calls - \$1,700; recurring maintenance - \$4,000; change of occupancy maintenance - \$2,900; grounds - \$2,000; masonry restoration - \$9,800; replacement of roof \$14,700; renovate kitchen - \$28,000; renovate 3.5 bathrooms - \$20,000; replace hot water heater and domestic hot water pipes - \$2,950; replace A/C - \$60,000; repair fireplaces \$2,500.

April 1993

DEPARTMENT OF THE ARMY
 FISCAL YEAR 1994
 GENERAL/FLAG OFFICER QUARTERS
 (continued)

<u>STATE</u> <u>INSTALLATION</u> <u>OTRS NO.</u>	<u>NET SQUARE</u> <u>FOOTAGE</u>	<u>HIS-</u> <u>TORIC</u>	<u>YEAR</u> <u>BUILT</u>	<u>MAINT &</u> <u>REPAIRS</u>	<u>LEASE</u>	<u>NEW</u> <u>WORK</u>
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TEXAS (cont)

Ft Sam Houston (cont)
 (PN 40780)

416 Dickman	3,137	yes	1934	\$81,900	-	-
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Maintenance and repairs include service calls - \$1,700; recurring maintenance - \$3,400; change of occupancy maintenance - \$2,000; interior painting - \$3,300; grounds - \$2,000; kitchen renovation \$14,000; repair/renovation of 3 bathrooms - \$20,000; repair gutters - \$6,000; repair/replace carport - \$8,000; replace cast stone - \$3,000; scrape, prepare and repaint all wrought iron railings - \$3,000; repair exterior plaster - \$7,000; repair fire places - \$2,500; replace domestic hot water heater and hot water pipes - \$6,000.

VIRGINIA

Fort Myer (PN 37155)
 8 Grant Ave 4,057

8 Grant Ave	4,057	yes	1903	\$35,000	-	-
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Maintenance and repairs include service calls - \$3,000; change of occupancy maintenance - \$9,000; interior painting - \$8,000; repair/renovation of master and guest bathrooms - \$15,000.

12A Jackson	2,701	yes	1892	\$29,000	-	-
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Maintenance and repairs include service call - \$3,000; change of occupancy maintenance - \$8,000; interior painting - \$ 5,000; waterproof basement - \$10,000; replace water chiller - \$3,000.

Fort Myer
 (PN 40637)

13B Jackson	1,973	yes	1903	\$39,800	-	-
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Maintenance and repairs include service call - \$3,000; change of occupancy maintenance - \$8,000; interior painting - \$ 3,000; exterior painting - \$4,000; replacement of fan coil units- \$2,000; repair/renovation of kitchen - \$19,800.

April 1993

DEPARTMENT OF THE ARMY
FISCAL YEAR 1994
GENERAL/FLAG OFFICER QUARTERS
(continued)

<u>STATE</u> <u>INSTALLATION</u> <u>QTRS NO.</u>	<u>NET SQUARE</u> <u>FOOTAGE</u>	<u>HIS-</u> <u>TORIC</u>	<u>YEAR</u> <u>BUILT</u>	<u>MAINT &</u> <u>REPAIRS</u>	<u>LEASE</u>	<u>NEW</u> <u>WORK</u>
--	-------------------------------------	-----------------------------	-----------------------------	--------------------------------------	--------------	---------------------------

BELGIUM (BF 34.13) Quarters One	10,411	yes	1800	\$100,508	-	-
------------------------------------	--------	-----	------	-----------	---	---

Maintenance and repairs include service calls - \$13,078; recurring maintenance - \$6,930; interior painting and replacement of wallcovering - \$16,500; refinishing of wooden floors in three rooms - \$5,500; replacement of water softener - \$3,000; repair/renovation of bathroom - \$24,300; repair/renovation of family kitchen - \$28,200; improvements incidental to kitchen and bathroom repairs - \$3,000.

GERMANY (DM1,65) Heidelberg 26 Rheinstr	7,000	no	1963	\$53,861	-	-
---	-------	----	------	----------	---	---

Maintenance and repairs include service calls - \$1,700; routine maintenance - \$900; kitchen and service area repairs/renovation \$47,161; grounds - \$4,100.

JAPAN (Yen 124.38) Camp Zama (PN 41185) Quarters 1000	4,195	no	1955	\$118,300	-	-
---	-------	----	------	-----------	---	---

Maintenance and repairs include service calls - \$1,200; change of occupancy maintenance - \$3,000; interior painting - \$8,600; incidental improvements - \$3,000; grounds - \$2,800; design costs \$1,700; repair/renovation of kitchen - \$65,000; repair/upgrade master bath - \$25,000; replacement of entertainment area A/C \$8,000. Area cost factor for Japan is 1.6.

KOREA (Won 797.45) Seoul (PN41652) Quarters 4401	3,447	no	1959	\$144,100	-	-
--	-------	----	------	-----------	---	---

Maintenance and repairs include service calls - \$700; teagu screen doors - \$6,800; replacement of exterior fascia board - \$3,000; repair of garage roof - \$4,000; furnace repairs - \$1,000; partial interior painting - \$1,500; kitchen, pantry, and laundry room renovation - \$59,600; renovation of three bathrooms - \$52,500; overhead, supervision, and inspection - \$12,000; minor improvements incidental to kitchen and bathroom repair projects - \$3,000.

April 1993

DEPARTMENT OF THE ARMY
FISCAL YEAR 1994
GENERAL/FLAG OFFICER QUARTERS
(continued)

<u>STATE</u> <u>INSTALLATION</u> <u>OTRS NO.</u>	<u>NET SQUARE</u> <u>FOOTAGE</u>	<u>HIS-</u> <u>TORIC</u>	<u>YEAR</u> <u>BUILT</u>	<u>MAINT &</u> <u>REPAIRS</u>	<u>LEASE</u>	<u>NEW</u> <u>WORK</u>
--	-------------------------------------	-----------------------------	-----------------------------	--------------------------------------	--------------	---------------------------

PANAMA

Quarry Heights

Quarters # 1	3,865	no	1914	\$61,450	-	-
--------------	-------	----	------	----------	---	---

Maintenance and repairs include service orders - \$5,200; recurring maintenance and change of occupancy - \$8,750; interior painting - \$3000; kitchen floor replacement - \$1,100; replacement of wooden structural members and supports - \$12,000; replacement of exterior wooden siding - \$13,300; repair replacement of bathroom fixtures - \$1,600; replacement of domestic hot water heaters and coolers - \$3,100; replacement of interior staircase - \$7,000; replacement of storage room roof and rafters - \$5,100; grounds maintenance - \$1,300.

With the exception of Quarters 26 Rheinstrasse, Heidelberg, no other quarters located in Germany were included in this budget submission, pending final basing plans. The

* Army will submit separately *
* notification should it become *
* necessary to perform maintenance *
* and repairs exceeding \$25,000 in any *
quarters during FY 94. It is our
strategy to make investments only in
those family quarters that are supported
by long-term stationing plans.

April 1993

ARMY FAMILY HOUSING
FY 1994 BUDGET ESTIMATES
REIMBURSABLE AUTHORITY

(\$ In Thousands)

FY 1994 Program	\$18,000
FY 1993 Current Est	\$16,000

The reimbursable program provides for the collection of costs for utilities and services, annual routine maintenance and repair, rents associated with the use of government housing and trailer pads by authorized occupants, and damages caused by occupant negligence.

The following chart shows the source of receipts for the family housing account.

	<u>FY 92</u>	<u>FY 93</u>	<u>FY 94</u>
Non-Federal Sources	10,800	10,800	12,800
Other Defense Agencies	3,200	3,200	3,200
Non-Defense Agencies	2,000	2,000	2,000

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April 1993

ARMY FAMILY HOUSING
FISCAL YEAR 1994 LEASING PROGRAM

<u>(\$ In Thousands)</u>	
FY 1994 Program	\$268,139
FY 1993 Current Est	\$358,241

PURPOSE AND SCOPE

The purpose of the family housing leasing program is to provide housing at both domestic and foreign locations when the local economy cannot provide adequate support and additional assets are needed to satisfy a housing deficit. The leasing program is authorized by 10 U.S.C. 2828 and provides for the payment of rent and operation and maintenance costs of privately owned quarters for assignment as government quarters to military families. This program also includes funds needed to pay for services such as utilities, refuse collection, and maintenance when these services are not part of the contract agreement.

The Army continues to rely on the private sector to meet the majority of housing needs. Where the private sector rental markets cannot meet requirements and cost effective alternatives do not exist, short and long-term leases are used. In high cost areas and overseas, the Army relies extensively on the leasing program to obtain housing at prices service members can afford.

PROGRAM SUMMARY

Authorization is requested for the appropriation of \$268,139,000 to fund leases and related expenses in FY 94. A summary of the leasing program follows:

	<u>FY 92</u>		<u>FY 93</u>		<u>FY 94</u>	
	<u>Lease Authori- zations</u>	<u>Cost \$000</u>	<u>Lease Authori- zations</u>	<u>Cost \$000</u>	<u>Lease Authori- zations</u>	<u>Cost \$000</u>
Domestic Leases	3,334	6,382	3,334	31,889	3,334	8,996
Section 2835	4,280	57,238	4,280	58,966	4,280	60,819
Foreign Leases	39,826	328,922	39,826	267,386	39,826	198,324
TOTAL	47,440	\$392,542	47,440	\$358,241	47,440	\$268,139

Funds are required for the average number of units to be occupied during each fiscal year (determined by dividing by 12 the number of lease months occupied) as follows:

	<u>Average No. of Units FY 92</u>	<u>Average No. of Units FY 93</u>	<u>Average No. of Units FY 94</u>
Domestic	572	3,045	745
Section 2835	4,098	4,280	4,280
Foreign	16,643	13,053	10,667
GRHP	<u>6,138</u>	<u>3,822</u>	<u>3,422</u>
TOTAL	27,451	24,200	19,114

JUSTIFICATION:

Domestic Leasing: The domestic leasing program provides temporary housing for Army families pending availability of permanent housing. For example, Oahu's leasing program will provide interim relief for service members assigned to this location pending completion of AFH construction programs on the Island. The average number of domestic leases is programmed to peak in FY 93 to accommodate the great number of Army personnel returning from Europe and other locations.

Section 2835 (Formerly Section 801): The Army has implemented the domestic build-to-lease program at eight installations. Under this program the Army leases family housing units from a contractor for up to 20 years. The units are then assigned as military housing to soldiers and their families. This program is helping to reduce our CONUS family housing deficit at sites where Army families are the most seriously affected by housing shortages. Funds are requested to continue payment of lease costs and operation and maintenance expenses. FY 94 budget will support 4,280 occupied units.

Foreign Leasing: The FY 94 foreign leasing program request consists of 14,089 foreign leases, to include 3,422 units for the Government Rental Housing Program (GRHP) in the European Theater, at the currency rate of 1.65DM = \$1.00. Lease extensions are approved on a year-to-year basis.

Governmental Rental Housing Program (GRHP): Under GRHP, the U.S. Government leases existing individual housing units in Europe. There is no construction period as with the build-to-lease projects. The Army negotiates, executes and manages the lease contracts; assuming responsibility for all costs (deposits, rent, utilities, maintenance and services); and paying for damage claims (Army recovering from soldiers). The soldier forfeits all housing allowances and agrees to occupy off-post housing for the entire tour. The lease is terminated when the soldier's tour ends. This program allows soldiers to be housed quickly, without large out-of-pocket expenses.

RECONCILIATION OF INCREASES AND DECREASES

	<u>(\$M)</u>
1. FY 1993 President's Budget Request	\$358.2
2. FY 1993 Appropriated Amount	358.2
3. FY 1993 Current Estimate	358.2
4. Program Decreases	90.1
a. Reduction in domestic leasing (-21.0)	
b. Reduction in foreign leasing (-69.1)	
5. FY 1994 Budget Estimate	268.1

Rationale for Changes in the Leasing Account

Program decreases reflect the impact of troop reductions and realignments.

The types of Army family housing used in each locality depend upon available assets, often a mix of private rentals, government-owned, and leases; therefore, full authorization is required to allow for sufficient flexibility.

Following is a summary of authorizations and funds required:

ARMY FAMILY HOUSING
FISCAL YEAR 1994
LEASING PROGRAM

	FY 92		FY 93		FY 94	
	Units Authorized	Months Purchsd (\$000)	Units Authorized	Months Purchsd (\$000)	Units Authorized	Months Purchsd (\$000)
<u>DOMESTIC LEASING</u>						
Ft Campbell, KY	95	864	707	345	4,140	3,450
Ft Hood, TX	220	1,800	1,567	220	1,200	1,378
Griffiss AFB, NY	100	1,200	1,000	0	0	0
Los Angeles Basin, CA	0	0	0	100	1,200	1,300
Oahu Consol FH Ofc, HI	250	3,000	3,108	250	3,000	3,250
Contingency Allocations	2,669			2,419	27,000	22,511
Subtotal Domestic Leasing	3,334	6,864	6,382	3,334	36,540	31,889
Section 2835 (801)	4,280	49,176	57,238	4,280	51,360	58,966
Total Domestic Leasing	<u>7,614</u>	<u>56,040</u>	<u>\$63,620</u>	<u>7,614</u>	<u>87,900</u>	<u>\$90,855</u>
<u>FOREIGN LEASING</u>						
EUSA						
Korea	1,694	12,960	20,212	1,694	15,048	21,406
USARSO	200	1,200	1,049	200	840	769
Panama	258	3,096	3,671	268	3,216	4,222
USAREUR	17,245	167,820	198,996	17,235	126,120	165,554
Belgium	1	12	20	1	12	20
Germany	856	10,272	12,180	856	8,472	11,121
Greece	320	3,840	4,554	320	2,460	3,229
Italy	17	132	157	17	132	173
Netherlands	18,697	185,172	219,578	18,697	140,412	184,319
Turkey	19,200	73,656	87,340	19,200	45,864	60,207
Subtotal	37,897	258,828	306,918	37,897	186,276	244,526
Govt Rental Hsg Prgm, Eur				18,697	111,696	128,908
USAREUR Total				19,200	41,064	47,393
				37,897	152,760	176,301

ARMY FAMILY HOUSING
FISCAL YEAR 1994
LEASING PROGRAM

	FY 92		FY 93		FY 94	
	Units Authorized	Months Purchsd	Units Authorized	Months Purchsd	Units Authorized	Months Purchsd
		(\$000)		(\$000)		(\$000)
<u>FOREIGN AREA OFFICERS</u>						
Bangladesh	2	24	2	24	2	24
Botswana	1	12	1	12	1	12
Budapest	1	12	0	0	0	0
Cameroon	2	12	2	12	2	24
Czech(Prague)	1	12	1	12	1	12
Egypt	2	24	2	24	2	24
India	1	12	1	12	1	12
Indonesia	1	12	1	12	1	12
Israel	1	12	2	24	2	24
Ivory Coast	2	24	2	12	1	12
Jordan	6	48	6	48	3	36
Korea	0	0	0	0	2	24
Malawi	1	12	1	12	1	12
Morocco	2	24	2	24	2	24
Netherlands	0	0	1	0	2	24
Niger	1	12	1	12	1	12
Pakistan	4	48	4	48	4	48
Portugal	0	0	1	0	1	12
Senegal	0	0	0	0	0	0
Sudan	2	24	0	0	0	0
Tunisia	1	12	1	12	1	12
Turkey	1	12	1	0	1	12
Yugoslavia	1	12	1	12	1	12
Zaire	2	24	2	24	2	24
Zimbabwe	0	0	0	0	1	12
DAMO Total	35	384	35	336	35	420
		743		685		677
Total Foreign Leasing	<u>39,826</u>	<u>273,372</u>	<u>39,826</u>	<u>202,500</u>	<u>39,826</u>	<u>169,068</u>
TOTAL LEASING PROGRAM	<u>47,440</u>	<u>329,412</u>	<u>47,440</u>	<u>290,400</u>	<u>47,440</u>	<u>229,368</u>
		<u>328,922</u>		<u>267,386</u>		<u>198,324</u>
		<u>392,542</u>		<u>358,241</u>		<u>268,139</u>

ARMY FAMILY HOUSING
FY 94 Section 2835 (801) Family Housing Summary
(Dollars in Thousands)

<u>Location</u>	<u>No. of Units</u>	<u>FY of Initial Auth</u>	<u>Date of Award</u>	<u>Date of Full Occup</u>	<u>Total Annual Cost</u>	<u>FY 93</u>		<u>FY 94</u>		<u>FY 94 Approp Request</u>
						<u>Cost</u>	<u>Units</u>	<u>Cost</u>	<u>Units</u>	
Ft Polk, LA	300	84	Dec 85	Nov 87	2,820	2,820	300	2,820	300	2,820
Ft Hood, TX	300	84	Mar 86	Jun 88	2,541	2,541	300	2,541	300	2,541
Ft Drum NY	1,400	85	Aug 85	Dec 87	18,016	17,927	1,400	18,016	1,400	18,016
Ft Wainwright, AK	400	85	Jan 86	Oct 87	12,620	12,000	400	12,620	400	12,620
Ft Polk, LA	300	86	Sep 86	Jun 88	2,820	2,820	300	2,820	300	2,820
Ft Drum, NY	300	86	Sep 86	Jun 88	3,860	3,842	300	3,860	300	3,860
Ft Wainwright, AK	150	87	May 88	Nov 89	4,733	4,500	150	4,733	150	4,733
FT Drum, NY	300	87	May 88	May 89	3,860	3,841	300	3,860	300	3,860
Ft Bliss, TX	150	87	Sep 89	Jun 91	1,875	1,803	150	1,875	150	1,875
Ft Bliss, TX	150	88	Sep 89	Jun 91	1,875	1,803	150	1,875	150	1,875
Ft McCoy, WI	80	88	Sep 89	Feb 92	1,373	1,361	80	1,373	80	1,373
Ft Bragg, NC	250	88	Sep 91	May 93	2,633	2,227	250	2,633	250	2,633
Ft Stewart, GA	200	88	Sep 91	Apr 93	1,793	1,481	200	1,793	200	1,793
TOTAL	4,280	NA	NA	NA	60,819	58,966	4,280	60,819	4,280	\$60,819

ARMY FAMILY HOUSING
FY 94 Summary Sheet for High Cost Leases

<u>COUNTRY</u>	<u>LEASES</u>	<u>HIGH COST LEASES</u>	<u>FOREIGN CURRENCY</u>	<u>FY88</u>	<u>FY94</u>	<u>ADJUSTED** FY 94 CAP</u>
Belgium	285	19	Franc	42.770	33.720	\$25,368
Germany	8,110	1	Deutsche Mark	2.060	1.650	\$24,970
Italy	700	3	Lira	1423.000	1234.110	\$23,061
Ivory Coast	1	1	Central	291.000	261.000 *	\$22,299
Netherlands	202	3	Guilder	2.330	1.850	\$25,189

*Source of rate information - Department of State.

** The adjusted high cost cap is determined by multiplying \$20K times the FY 88 exchange rate divided by the FY 94 exchange rate. Leases exceeding this cap are counted against the number of high cost leases allowed.

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April 1993

ARMY FAMILY HOUSING
FY 1994 BUDGET ESTIMATES
DEBT PAYMENT

	<u>(\$ In Thousands)</u>
FY 1994 Program	\$429
FY 1993 Current Est	\$177

Purpose and Scope

This program includes payment of mortgage principal, interest, and other expenses on remaining indebtedness for acquired Wherry housing and payment of Servicemen's Mortgage Insurance Premiums to FHA for mortgages assumed by active military personnel for housing purchased by them.

Program Summary

Authorization is required for the appropriation of \$429,000 in FY 1994 for the following:

WHERRY HOUSING

This program includes payments of mortgage principal, interest and other expenses related to Wherry Housing. The FY 1994 budget includes \$412,000 for payoff on the one remaining mortgage at Ft. Huachuca, AZ. Although the scheduled payoff date is 1 January 1997, paying off the mortgage at this time will result in a savings of \$31,000 in interest payments alone, plus costs involved in various recordkeeping transactions on this mortgage. A summary of debt payment requirements for Wherry Housing is listed separately.

SERVICEMEN'S MORTGAGE INSURANCE PREMIUMS

This program provides for the payment of premiums due on mortgage insurance provided by the Federal Housing Administration for housing mortgages purchased by active duty military personnel. Also, it continues payments for cases where a serviceman dies while on active duty and leaves a surviving widow as owner of the property. Payments extend for a period of two years after death or until the widow disposes of the property, whichever occurs first. The premium rate is 1/2 of 1 percent of the unpaid balance of the mortgage. The Department of Housing and Urban Development stopped processing applications for servicemen's mortgage insurance premiums as of 31 March 1980 with the discontinuance of Section 222 of the Housing Act.

April 1993

ARMY FAMILY HOUSING
FY 1994 BUDGET ESTIMATES
DEBT PAYMENT

TOA:	<u>FY 92</u>	<u>FY 93</u>	<u>FY 94</u>
Interest and Other Expenses			
Wherry	<u>26</u>	<u>32</u>	<u>6</u>
SUBTOTAL	26	32	6
Mortgage Insurance Premiums			
Servicemen's	18	18	11
SUBTOTAL			
Total Obligating Authority	44	50	17
FINANCING ADJUSTMENTS:	0	0	0
BUDGET AUTHORITY:	44	50	17
 BUDGET AUTHORITY:			
Appropriation:	169	177	429
Portion Applied to Debt Reduction:			
Wherry	<u>125</u>	<u>127</u>	<u>412</u>
SUBTOTAL	125	127	412
Appropriation (Adjusted)	44	50	17
 FY 1994			
Appropriation Recapitulation			
Wherry (Payoff)			418
Servicemen's Mortgage Insurance Premiums			<u>11</u>
TOTAL			429

April 1993

ARMY FAMILY HOUSING
FY 1994 BUDGET ESTIMATES
ANALYSIS OF WHERRY HOUSING
(\$000)

	<u>FY 92</u>	<u>FY 93</u>	<u>FY 94</u>
Total Debt Incurred	154,892	154,892	154,892
Debt retired prior years	154,228	154,353	154,480
Unpaid balance beginning of year	664	539	412
Estimated Debt retired during year (principle payments)	125	127	412
Estimated interest payments during year	26	32	6
Unpaid balance end of year	539	412	0
Number of mortgages outstanding beginning of year	1	1	0
Number of mortgages outstanding end of year	1	1	0

April 1993

ARMY FAMILY HOUSING
FY 1994 BUDGET ESTIMATES
DEBT PAYMENT
SERVICEMEN'S MORTGAGE INSURANCE PREMIUMS

<u>FISCAL YEAR</u>	<u>MORTGAGES ON HAND</u>	<u>ESTIMATED TERMINATIONS</u>	(\$ 000)	
			<u>ESTIMATED AVERAGE PAYMENT</u>	<u>ESTIMATED PAYMENT FOR YEAR</u>
1991	420	229	45	18
1992	191	19	94	18
1993	172	17	104	18
1994	155	16	71	11

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PART III HOMEOWNERS ASSISTANCE

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April 1993

HOMEOWNERS ASSISTANCE FUND, DEFENSE

	<u>(In Thousands)</u>
FY 1992 Actual	\$ 27,471
FY 1993 Estimate	\$138,000
FY 1994 Estimate	\$151,400

Program and Scope

This fund finances the program for providing assistance to homeowners by reducing their losses incident to the disposal of their homes when the military installations at or near where they are serving or employed are ordered to be closed or the scope of operations is reduced. It was established in recognition of the fact that base closure and reduction actions can have serious economic effects on local communities. Military, federal civilian personnel and Non-appropriated Fund employees, who are required to relocate as a result of or during such actions, frequently cannot dispose of their homes under reasonable terms and conditions, and suffer severe financial hardship.

In order to determine the affect of the closure or reduction action on local communities, a Market Impact Study (MIS) is performed. The MIS addresses market conditions and overall economic conditions relative to the closure or reduction action, and includes appraisal of area properties before and after the announcement. Factors in determining market impact include: a significant decline in real estate market value; significant increases in inventory of unsold houses, average number of days on the market; foreclosures; decrease in home sales; and inability of affected personnel to sell homes for the amount of the existing mortgage. If the MIS demonstrates sufficient impact on the market and establishes a causal relationship, a program is approved. Eligible applicants may be reimbursed for certain losses resulting from the sale of their home.

Benefits under the program include payment of partial compensation for losses sustained in the private sale of the dwelling; payment of the costs of a judicial foreclosure of a mortgage; or purchase of dwelling by liquidating or assuming the outstanding mortgage. Although the program provides for acquisition of dwellings, the Government does so only for the accommodation of the applicant. The homes are then resold by the Government. Every effort is made to insure that each applicant is treated equally and receives the maximum benefits under the law as rapidly as practicable, but with a minimum expenditure of time and money for administration.

Program Summary

The FY 1994 budget requests \$151.4 million in appropriation budget authority. This represents an increase of \$13 million over the FY 1993 funded program. Program increases are the result of the additional bases and installations approved for closures and realignments. Future base closure actions will continue to have a significant impact on this account.

The fund is not a profit-making endeavor. Even though the proceeds from the sale of homes are returned to the fund, this revenue does not totally replenish it nor fund the projected requirements. Since the Homeowners Assistance Fund is not self-sustaining, appropriated funds are required to maintain its solvency as a contingency fund. The FY 1994 budget request of \$151.4 million, is necessary to complete current programs, fund programs generated by realignments that do not require Congressional approval and fund programs generated by the 1991 Base Realignment and Closure Announcements (BRAC II).

The Homeowners Assistance Fund, Defense (HOA) is a non-expiring revolving fund. As shown on the Program Financial Summary chart, the fund receives funding from several sources: appropriations, borrowing authority, reimbursable authority, prior fiscal year unobligated balances, revenue from resale of acquired properties, and recovery of prior year obligations. Program expenses include payments to homeowners for losses on private sale; cost of a judicial foreclosure; property acquisition by liquidating and/or assuming the outstanding mortgage; partial payment of homeowners' lost equity on government acquisitions; retirement of debt after sale of properties on which the government had assumed the mortgage; and administrative expenses.

Many factors and circumstances influence the residential real estate market nationwide and HAP financial requirements. These influences are sensitive and unpredictable. The Budget Enforcement Act of 1990 (BEA) changed the way borrowing authority is scored in the budget. HAP has standing indefinite authority to assume mortgages and exercise borrowing authority. Although this may still be used, due to the BEA, the caps on spending in the mandatory federal budget accounts cannot be exceeded without the potential for a sequester action. Consequently, borrowing authority can only be used in the amount anticipated and scored in the budget.

The chart below is a summary of the funding for the FY 1992, FY 1993 and FY 1994

	PROGRAM FINANCIAL SUMMARY		
	ACTUAL FY 1992	FY 1993	FY 1994
HOMEOWNERS ASSISTANCE FUND, DEFENSE			
I. PROGRAM RESOURCES			
New Appropriation Requested	84,000,000	133,000,000	151,400,000
Indefinite Borrowing Authority	0	5,000,000	0
Total Budget Authority Requested	84,000,000	138,000,000	151,400,000
II. REIMBURSABLE RESOURCES			
Reimbursable Authority	1,000	0	0
III. OTHER PROGRAM RESOURCES			
Prior FY Unobligated Balance Brought Forward	7,476,000	74,575,000	80,835,000
Anticipated Revenue from Sale of Real Property	11,908,000	5,500,000	20,000,000
Appropriation Transfers	0	0	0
Recovery of Prior Year Balances	32,000	0	0
IV. TOTAL PROGRAM RESOURCES	103,417,000	218,075,000	252,235,000
V. PLANNED PROGRAM EXECUTION			
Payments to Homeowners	1,587,000	7,334,000	5,755,000
Other Operating Cost	7,046,000	29,596,000	24,604,000
Acquisition of Real Property	18,839,000	91,070,000	127,393,000
Mortgages Assumed	0	5,000,000	0
Retirement of Debt - Authority Withdrawn	1,370,000	4,240,000	1,301,000
VI. TOTAL PLANNED PROGRAM EXPENSE	28,842,000	137,240,000	159,053,000
VII. ANTICIPATED EOY UNOBLIGATED			
Balance Carried Forward	74,575,000	80,835,000	93,182,000

Homeowners Asst Fund, Def.
Program and Financing (in thousands of dollars)

Identification code	97-4090-0-3-051	1992 actual	1993 est.	1994 est.
Program by activities:				
Direct program:				
01.0101	Payment to homeowners (private sale and foreclosure assistan	1,587	7,334	5,755
01.0201	Other operating costs	7,045	29,596	24,604
02.0101	Acquisition of real property	18,839	91,070	127,393
02.0201	Mortgages assumed		5,000	
		27,471	133,000	157,752
02.9101	Total program			
		1		
03.0101	Reimbursable program	27,472	133,000	157,752
10.0001	Total obligations			
Financing:				
Offsetting collections from:				
11.0001	Federal funds(-)	-11,908	-5,500	-20,000
14.0001	Non-federal sources(-)	-32		
17.0001	Recovery of prior year obligations	-7,476	-74,875	-80,835
21.9001	Unobligated balance available, start of year:			
	Unobligated balance, SOY: Fund balance	74,575	80,835	93,182
24.9001	Unobligated balance available, end of year:	1,370	4,240	1,301
22.4701	Unobligated balance, EOY: Fund balance			
	Balance of authority to borrow withdrawn	84,000	138,000	151,400
39.0001	Budget authority	84,000	133,000	151,400
Budget authority:				
40.0001	Appropriation		5,000	
97.1501	Authority to borrow (indefinite)			
Relation of obligations to outlays:				
71.0001	Obligations incurred	15,563	127,500	137,752
72.9001	Obligated balance, start of year: Obligated balance, start of year, fun	4,541	8,892	93,177
74.9001	Obligated balance, end of year: Obligated balance, end of year, fund ba	-8,892	-93,177	-141,511
77.0001	Adjustments in expired accounts (net)	-1,194		
	Adjustments in unexpired accounts	-32		
78.0001	Outlays (net)	9,986	43,215	89,418

Homeowners Asst Fund, Def.
Object Classification (in thousands of dollars)

Identification code	97-4090-0-3-051	1992 actual	1993 est.	1994 est.
Direct obligations:				
Personnel compensation:				
111.601	Special (persons) services payments	1,600	5,654	10,474
121.001	Travel and transportation of persons	227	180	561
Other services:				
125.204	Other	5,218	18,762	76,969
132.001	Land and structures	18,839	101,070	83,993
142.001	Insurance claims and indemnities	1,587	7,334	5,755
199.001	Total Direct obligations	27,471	133,000	157,752
Reimbursable obligations:				
Other services:				
225.204	Other	1	1	1
299.001	Total Reimbursable obligations	1	1	1
999.901	Total obligations	27,472	133,000	157,752

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