

Department of the Air Force

Military Construction and Family Housing Program

Fiscal Year (FY) 2003 Budget Submission

Justification Data Submitted to Congress February 2002

INDEX

DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FISCAL YEAR 2003 BUDGET REQUEST

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1. COMPONENT AIR FORCE		FY 200	03 MIL	ITARY	CONST	RUCTIO	N PROG	GRAM	2. DATE		
INSTALLATION ANE WALMSTROM AIR F MONTANA				COMM AIR FC COMM	RCE S	PACE		5. AREA COST II 1.16			
3. Personnel	PE	RMANENT	-			19	511	PPORTE			
Strength	OFF	ENL	CIV		ENL	CIV	OFF	ENL	-	TOTAL	
AS OF 30 SEP 01	501	2914)			0	0	0		÷	4,155	
END FY 2005	501	2914)	740		0	0 0	0	0		4,153	
7. INVENTORY DAT			7 - 1)		0	•	0	0	0		
Total Acreage: nventory Total as of	· (20 Son	3,675								400 0040	
Authorization Not Yet										429,331D	
Authorization Reques										25,796	
Authorization Include		•			(FY 200)4)				4,723	
Planned in Next Thre		-	logram	•	(11 200)4)				16,419	
Remaining Deficiency		iogiaili.								10,419	
Grand Total:	/.									476,262	
										470,202	
3. PROJECTS REQU	JESTED	IN THIS P	ROGR	AM:			(FY 2003	,			
CATEGORY										STATUS;	
	PROJECT							<u>\$,000 START CMPL</u>			
711-142	Replace	Family Hou	using			18 UN		4,723	Jun-01	Jul-02	
3a. Future Projects: I	ncluded i	n the Follo	wing F	Program	: None		(FY 2004	4)			
3b. Future Projects:				e Years			(FY05-0	7)			
	•	Family Hou	-			66 UN		15,233			
711-142	Replace I	-amily Hoι	ising			6 UN		1,186			
)c . Real Propery Mai	ntenance	Backlog T	his Ins	tallation						95,601	
IO. Mission or Major						supportin	id a Spa	ce wina:	a RED HO		
squadron.			si areg.				.9 ~ 0 .				
DD Form 1390 24 Ju											

DD Form 1390, 24 Jul 00

1. COMPONENT									2. DATE
AIR FORCE	F	Y 2003 N	MILITARY	CONS	TRU	CTION	PROJEC	CT DATA	
3. INSTALLATION AND LO	CATION	1					CT TITLE		
						REPLAC	E MILITA	ARY HOUSI	NG PHASE 6A
MALMSTROM AIR FC 5. PROGRAM ELEMENT	DRCE		ONTANA ORY CODE	7	PPO	ECT NUN	IRED		Г COST (\$000)
		0. CATEO		/.	FNUJ		IDER	0. PROJECT	
88741		-	711-142		N	ZAS0140	011	4,	,717
			9. (COSTEST	IMATE	Ξ			
	ITEI	л			U/M	QUAN			COST (\$000)
MILITARY FAMILY H				[UN			UNIT COST 183,833	3,309
SUPPORTING FACILIT					LS		0	105,055	949
SITE IMPROVEMEN	ГS				LS				(234)
UTILITIES					LS				(280)
STREETS					LS				(185)
LANDSCAPING		~ ~ ~ ~ ~ ~ ~ ~ ~ ~			LS				(100)
DEMOLITION & ASE	BESTO	S REMOV	/AL		LS				<u>(150)</u>
SUBTOTAL									4,258
CONTINGENCY (5%) TOTAL CONTRACT CONTRACT	OCT								<u>213</u>
SUPERVISION INSPEC		AND OVE	FRHEAD (6	5.0%)					4,471 <u>246</u>
TOTAL REQUEST	1101		MILAD (0	.070)					4,717
Torring Haldonpol									-,,,,,,,
AREA COST FACTOR		1.16							
10. DESCRIPTION OF									
construction, site prepara									
air conditioning, carpetin						ncludes r	emoval of	existing unit	s, asbestos, and
lead-based paint removal	and co	Instruction	of single cal	r garages	•				
						Project	Cost F	Per No	(\$000)
Paygrade Bedro	om	<u>NSF</u>	<u>GSF</u>	GSM		Factor	GSM	Units	Total
EI-E6 3		1,615	2,002	186		1.334	732	16	2,905
E7-E9 3		1,800	2,232	207		1.334	732	<u>2</u>	<u>404</u>
								18	3,309
Maximum size: E1-E6/3	Bedro	om (1420 I	NSF/1760 G	SF); E7-]	E-9/3	Bedroom	(1650 NS	SF/2050 GSF)
11. Requirement: 1,94	9 UN	A	DEQUATE:	920 UN	1 8	SUBSTA	NDARD:	1,029 UN	
PROJECT: Replace 18 fa	amily l	ousing uni	ts, Phase 6A	A (Curren	nt Miss	sion).			
	·	U				,			
REQUIREMENT: Projec									
at Malmstrom AFB. All u			10				0		
housing size standards, an									
civilian community. Som	e infra	structure 1t	ems require	repair or	repla	cement, 1	.e. electric	al wiring, wa	ater piping and
sanitary drain lines.									

FY 2003 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

AIR FORCE
3. INSTALLATION AND LOCATION

MALMSTROM AIR FORCE BASE, MONTANA

4. PROJECT TITLE

REPLACE MILITARY HOUSING, PHASE 6A

5. PROJECT NUMBER

NZAS014011

<u>CURRENT SITUATION</u>: Units are Family Housing Facility Assessment Level 1. This project replaces 18 military family housing units constructed in 1965. These units are over 35 years old and none of the units meet current **AF** housing size standards or "whole house/neighborhood" standards. The units show the effects of age and continuous heavy use. The houses have deteriorated to the point where replacement is the most economical alternative. Wiring and fixtures have been identified as not meeting current codes. Wiring is brittle and exposed in many units and is a **fire** hazard. There are no Ground Fault Circuit Interruptor protection, and outlets lack proper grounding protection. Lighting systems are inefficient and require replacement. Plumbing systems have succumbed to the effects of hard water and corrosion, resulting in severe constriction and pipe leakage. Plumbing fixtures are worn and discolored and require replacing with new items. Housing interiors are inadequate by any modem criteria. Bedrooms are outdated and energy-inefficient. Kitchens lack sufficient storage and counterspace, cabinets are old and unsightly, and countertops and sinks are badly worn. Flooring throughout the units is outdated and contains asbestos. Additionally, the current unit configuration is inefficient resulting in major congestion. The units have no patio or backyard privacy and in all cases the net floor area of the living unit is below the established guidelines for the grade of occupant. Housing also lacks the **artic** area that is authorized for northern tier installations.

<u>IMPACT IF NOT PROVIDED:</u> Air Force members and their families will continue to be housed in inadequate housing units. Low morale and retention problems can be expected since suitable, affordable off-base housing is not readily available. Without this and the subsequent phases of this initiative, **Malmstrom's** units will continue to deteriorate resulting in escalating operations, maintenance, and repair costs to the Government.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facilities Planning and Design Guide" and AFH 32-1084 "Facility Requirements". The cost of renovating existing units is 78% of the cost to replace these units. A preliminary economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. "I have reviewed this document and certify that it is complete and accurate. I have validated the project's cost estimate and work classification. It has been coordinated with all appropriate agencies and approved by the Installation Commander." - PHILIP E. RAINFORTH, Lt Col, USAF: Base Civil Engineer, (commercial 406-73 1-61 88).

1. COMPONENT	FY 2003 MILITARY CONSTRUCT	ION PROJECT DATA	2. DATE
AIR FORCE 3. INSTALLATION AND LO	CATION		
MALMSTROM AIR FO	DRCE BASE, MONTANA		
4. PROJECT TITLE		5. PROJECT NUMB	ER
	HOUSING, PHASE 6A	NZAS0140)11
12. SUPPLEMENTAL Estimated Design Data			Design/Build
(c) Percent Co (d) Date 35% (e) Date Desig	Cost Estimate used to develop costs mplete as of Jan 2002 Designed		01 Aug 15 N 35 01 Dec 15 02 May 15
(2) Basis: (a) Standard or	Definitive Design - gn was most recently used -		NO N/A
	= (a) + (b) or (d) + (e): of Plans and Specifications Design Costs		(\$450) 450 0 450 450
(4) Construction Sta	art		03Mar
(5) Construction Co	ompletion		04Jun
. Equipment associated	with this project will be provided from other a	ppropriations: N/A	

MILITARY FAMILY HOUS	ING JUSTIFICATION	1. DATE	OF REPORT Sep-98	-		2. FISCA	LYEAR	REPORT C		SYMBOL
3. DOD COMPONENT	4. REPORTING INST								9//10	
AIR FORCE	a. NAME				b. LOCAT	TION				
5. DATA AS OF 1998	MALMSTR		Phase 6			MONTANA				
ANALYS	SIS		CURR				PROJ	ECTED		
OF REQUIREMENTS	AND ASSETS		OFFICER (a)	E9-E7 (b)	E6-E1 (c)	TOTAL (d)	OFFICER (e)	E9-E7 (f)	E6-E1 (g)	TOTA (h)
6. TOTAL PERSONNEL S				·			(*)		(9/	
			498	182	2,697	3,377	496	177	2,568	3,241
7. PERMANENT PARTY F	ERSONNEL		498	182	2,697	3,377	496	177	2,568	3,241
B. GROSS FAMILY HOUS	ING REQUIREMENTS		356	165	1.529	2.050	355	160	1,455	1,970
. TOTAL UNACCEPTAB	LY HOUSED (a + b + c)								1,100	1,070
a. INVOLUNTARILY	SEPARATED		0	2	16	18				
			0	0	0	0				
 b. IN MILITARY HOU DISPOSED/REPL 			0	2	16	18				
c. UNACCEPTABLE	HOUSED IN COMMUNIT	Y		Z	10	10				
			0	0	0	0				
0. VOLUNTARY SEPARA	TIONS		1	3	18	22	1	3	17	21
1. EFFECTIVE HOUSING	REQUIREMENTS		355	162	1,511	2,028	354	157	1,438	1,949
2. HOUSING ASSETS (a	+ b)		355	142	1,423	1,920	354	155	1,422	1,931
a. UNDER MILITARY	CONTROL		258	114	926	1,298	258	132	998	
(1) HOUSED IN E	XISTING DOD		200	114	920	1,230	236	132	339	1,388
OWNED/CON			258	114	926	1,298	258	114	926	1,298
(2) UNDER CONT	RACT/APPROVED						0	18	72	90
(3) VACANT			0	0	0	0				
(4) INACTIVE			0	0	0	0				
b. PRIVATE HOUSIN	G			-						
			97	28	497	622	96	23	424	543
(1) ACCEPTABLY	HOUSED		97	28	497	622				
(2) ACCEPTABLE	VACANT RENTAL		0	0	0	0				
3. EFFECTIVE HOUSING	DEFICIT									
4. PROPOSED PROJECT			0	20	88	108	0	2	16	18
							0	2	16	18

Item 12.a.(1): 1029 on-base units are inadequate.

1. COMPONENT		EX 20	03 MI	ITARY	CONS	TRUCTI		GRAM	2. DATE	
AIR FORCE		11 20	05 111		00110					
INSTALLATION AND	LOCATI	ON		COMM	AND:			5. AREA	CONST	
HOLLOMAN AIR FO	RCE BAS	ε		AIR CO	OMBAT	СОММА	ND	COST IN		
NEW MEXICO								0.98		
5. Personnel	PE	RMANE	NT	S	TUDENT	ſS	SU	PPORTE	D	
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 01	403	3590	976	181	150	12	26	239	397	5,974
END FY 2005	401	3569	1041	6	34	2	26	239	397	5,715
7. INVENTORY DAT	A (\$000)									
Total Acreage:		52,073								
Inventory Total as of	• •									498,602
Authorization Not Ye										0
Authorization Reques		-								20,16 1
Authorization Include				am:	(FY 200)4)				0
Planned in Next Three		Program								42,077
Remaining Deficiency	/:									0
Grand Total:										560,841D
							(E)(000)	2)		
3. PROJECTS REQU	JESTED	IN THIS	PROG	RANI:			(FY 200		DECION	STATUS
CATEGORY		г тіті с				SCODE				
<u>CODE</u> 711-142	PROJEC Replace		-			<u>SCOPE</u> 101 UN			<u>TART</u> Jun-01	<u>Jul-0:2</u>
/ 1 1-142	Replace	i anny i	lousing	J				20,101	Juli-01	Jui-0.2
3a. Future Projects: I	ncluded i	n the Fo	ollowing	g Progra	am: Non	е				
3b. Future Projects:	Typical P	lanned I	Next Th	nree Ye	ars:		(FY05-0	7)		
711-142	Replace	Family H	lousing			120 UN		20,849		
711-142	Replace	Family H	lousing			139 UN		21,228		
		Dealle	T 1 ' 1							07 0740
C. Real Propery Mai			-				147	ala ka laa		97,8713
10. Mission or Major		-		-	•					
raining in the aircraft	•				dos for	German	AF train	iing. A sp	ace	
surveillance squadror	h and an A	AFINC te	est grou	ıp.						
D Form 1390 24 Ju										

1. COMPONENT					2. DATE
AIR FORCE	Y 2003 MILITARY CO	NSTRU	CTION PROJE	ECT DATA	
3. INSTALLATION AND LOCATIO	N		4. PROJECT TITL	E	-
			REPLACE FAM	ILY HOUSING	i
HOLLOMAN AIR FORCE BA					
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJ	ECT NUMBER	8. PROJECT	COST (\$000)
8874 1	711-142	K	WRD043004	20	.161
		ESTIMATE		20	,101
					COST
ITE		U/M	QUANTITY	UNIT COST	(\$000)
MILITARY FAMILY HOUSI	NG	UN	101	118,980	12,017
SUPPORTING FACILITIES		LS			6,149
SITE IMPROVEMENTS		LS			(1,500)
UTILITIES STREETS		LS LS			(1,000)
LANDSCAPING		LS LS			(1,394)
RECREATION		LS LS			(405)
DEMOLITION & ASBEST	N DEMOVAL	LS			(850)
SUBTOTAL	DS REMOVAL				<u>(1,000)</u>
CONTINGENCY (5%)					18,166
TOTAL CONTRACT COST					<u>908</u> 19,074
SUPERVISION INSPECTION	AND OVERHEAD (5.7%)				<u>1,087</u>
TOTAL REQUEST	$\left \mathbf{A} \mathbf{U} \mathbf{U} \mathbf{U} \mathbf{U} \mathbf{U} \mathbf{U} \mathbf{U} U$				20,161
					20,101
AREA COST FACTOR	0.98				
10. DESCRIPTION OF PROP		Replace 10)1 Family Housin	o units Include	s demolition site
clearing, replacement/upgrade of					
normal amenities to include par					
normal anomalo to more pa	g, concentroning, onco	ior punios,	neigneoineou pr		
			Project Cost	Per No	(\$000)
Paygrade Bedroom		<u>SM</u>	Factor GSM		Total
EI-E6 3			0.980 732	51	5,524
EI-E6 4	1,570 1,950 1	81	0.980 732	<u>50</u>	<u>6,493</u>
				101	12,017
Mariana in El E6/2 Data	(1420 NEE/17(0 CEE)	$E^{1}E^{-C/4}$	Deducers (1700)).
Maximum size: E1-E6/3 Bedro	5000 (1420 NSF/1760 GSF);	EI-E-0/4	Bedroom (1/90)	NSF/2220 GSF);
11 Dequirements 2.249 LIN		22111			
11. Requirement: 2,348 UN	ADEQUATE: 1,5	JUN	SUBSTANDA	U. 010 UN	
PROJECT: Construct Military	Family Housing (Current M	ission)			
<u>FROJECT</u> . Construct Minitary	ranning rousing (Current M	1551011).			
DEALIDEMENT. This project	is required to provide made	m and off	igiant rankagemen	t housing for	ilitary mombars
<u>REQUIREMENT</u> : This project and their dependents stationed a					
and their dependents stationed a accordance with the Housing C					
living environment comparable					
housing for base personnel. The					
bedroom and bath configuration					
provided for a guest vehicle. The					
reeds. Neighborhood enhancem					mouent nousing
needs. reignoomood emidicem	ienus wini menude iandseapin	5, piaygio	unus and recreati	on areas	

AIR FORCE

FY 2003 MILITARY CONSTRUCTION PROJECT DATA

3. INSTALLATION AND LOCATION

HOLLOMAN AIR FORCE BASE, NEW MEXICO

4. PROJECT TITLE REPLACE FAMILY HOUSING

5.	PROJECT	NUMBER

KWRD043004

<u>CURRENT SITUATION</u>: This project replaces 101 housing units constructed in 1953. These 50-year-old houses are showing the effects of age and continuous heavy use. They have had no major upgrades since construction, and do not meet the needs of today's families nor do they provide a modem home environment. Roofs, walls, foundations and exterior pavements require major repair or replacement due to the effects of age and the environment. Windows all have single-pane glazing and are inefficient. Foundation and pavements are showing signs of failure owing to settlement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Housing interiors are generally inadequate by any modem criteria. Laundry rooms are only accessible from the outside Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Kitchens have inadequate storage and counter space, cabinets are old and countertops are badly worn. Flooring throughout the house is outdated. Many electrical outlets lack adequate grounding protection. Lighting systems throughout the houses are inefficient and require replacement. Heating and air conditioning systems require upgrade and replacement.

<u>IMPACT IF NOT PROVIDED</u>: Major morale problems will result if this replacement initiative is not supported. Some people will continue to occupy substandard housing while neighbors and friends are in new, replace units. The housing will continue to be occupied until it becomes totally uninhabitable because adequate, affordable off-base housing is not available. Without this initiative, costly piecemeal repairs will continue to be required with no improvement in the quality of life.

<u>ADDITIONAL</u>: An economic analysis has been prepared comparing the alternatives of new construction, improvement and status quo operation. Based on net present values and benefit of the respective alternatives, new construction was found to be the most cost effective over the life of the project. The SIOH of 5.7% is due to the Army Corp of Engineers is the design/construction agent.

2. DATE

I.COMPONENT			L.DATE
AIR FORCE	FY 2003 MILITARY CONSTRUCTION	PROJECT DATA	
. INSTALLATION AND LO	CATION		1
HOLLOMAN AIR FOR	CE BASE, NEW MEXICO		
. PROJECT TITLE		5. PROJECT NUMB	ER
			004
REPLACE FAMILY H		KWRD043	004
. Estimated Design Dat			Dosign/Build
. Estimated Design Dat	a.		Design/Build
(1) Status:			
(a) Date Desi	gn Started		01 Aug 10
(b) Parametric	Cost Estimate used to develop costs		Ň
	omplete as of Jan 2002		35
(d) Date 35%			01 Dec 10
(e) Date Desig			02 May 10
	udy/Life-Cycle analysis was performed;		
(2) Basis:	Definitive Design -		NO
	gn was most recently used -		NO N/A
	sil was most recently used -		11/21
(3) Total Cost (c)	= (a) + (b) or (d) + (e):		(\$660)
	of Plans and Specifications		660
(b) All other l			0
(c) Total			660
(d) Contract			660
(e) In-house			
(4) Construction St	art		03Mar
(5) Construction Co	ompletion		04Jun
. Equipment associated	with this project will be provided from other approp	oriations: N/A	

MILITARY FAMILY HOUS	SING JUSTIFICATION	1. DATE OF REPOR Jul-01	.1		2. FISCAL	. YEAR	DD-A&L(A	CONTROL S R)1716	SYMBOL
. DOD COMPONENT	4. REPORTING INST						•	•	
AIR FORCE	a. NAME				b. LOCAT	TION			
5. DATA AS OF	HOLLOMA	N AFB				NEW MEX	со		
Mar-01									
ANALY	SIS	CURF					ECTED		
OF	AND ACCETO	OFFICER	E9-E7	E6-E1	TOTAL	OFFICER	E9-E7	E6-E1	TOTA
REQUIREMENTS		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
. IUTAL PERSONNEL	SIKENGIA	403	305	3,265	3,993	401	313	3,256	3,97
. PERMANENT PARTY	PERSONNEL	400	000	0,200	0,000		010	0,200	3,31
		403	305	3,265	3,993	401	313	3,256	3,97
. GROSS FAMILY HOU	SING REQUIREMENTS				1	1			
		287	261	1,873	2,421	284	269	1,864	2,417
. TOTAL UNACCEPTAE	LY HOUSED (a + b + c)	0	0	101	101				
a. INVOLUNTARILY	SEDADATED	U	U	1 101	101				
a. INVOLUNTARILT	SEPARATED	0	o	0	0				
b. IN MILITARY HO	USING TO BE			-					
DISPOSED/REPL	ACED	0	0	101	101				
c. UNACCEPTABLE	HOUSED IN COMMUNIT				2				
		0	0	0	0				
). VOLUNTARY SEPAR	ATIONS					8	•		
. EFFECTIVE HOUSING		8	9	53	70		9	; <u>52</u>	69
. EFFECTIVE HOUSING	REQUIREMENTS	279	252	1,829	2,351	278	280	1,812	2.348
2. HOUSING ASSETS (a	+ b)	215		1,023	2,00 s	270	200	1,012	2,040
		270	252	1,710	2,250	276	280	1,711	2,247
a. UNDER MILITAR	(CONTROL			f					
		199	186	1,019	1,395	190	188	983	1,339
(1) HOUSED IN I		400	400	1 4 949	a nor	400	400	000	
OWNED/CON	-	190	186	1,019	1,395	190	186	963	1,339
(2) UNDER CON	ITRACT/APPROVED					0	0	0	0
(3) VACANT				1		v	v	•	
(0) 17(0/11)		0	0	0	0				
(4) INACTIVE									
		0	0	0	0				
b. PRIVATE HOUSI	NG						74	- 40	
(4) 400557451	(11011055	89	66	700	855	86	74	748	908
(1) ACCEPTABLY	HOUSED	89	66	700	855				
(2) ACCEPTABLE	VACANT RENTAL	03	00	700	000				
		0	0	0	0				
B. EFFECTIVE HOUSING	DEFICIT			a el substante el					
		<u>Ö</u>	0	101	101	0	0	101	101
. PROPOSED PROJEC	Г								
						0	0	101	101

12.a.(1):

A Housing Market Analysis completed since publication of the 2000 Family Housing Master Plan identifies a 56 unit surplus - units are inadequate and will be disposed at end of economic life

This project replaces 101 of 616 inadequate units that will be required to meet the remaining on-base requirement

AIR FORCE			NSTRUCT r gener	ION PROJEC	T DATA	2. DATE
2 TROMATTAMAN	((compute.	r gener	-		
3. INSTALLATION	I AND LOCATION			4. PROJECT	TITLE	
POPE AIR FORCE	EASE, NORTH CAROLINA			REPLACE HO	USING MAINTE	NANCE BLDG
5. PROGRAM ELEM	MENT 6. CATEGORY CODI	E 7	7. PROJ	ECT NUMBER	8. PROJEC	T COST (\$000)
88741	219-944		TMKI	H024003		991
	<u>9. CO</u>	ST EST	TIMATES			
	ITEM		U/M	OUANT ITY	UNIT	COST
KOUSING MAINTEN	ANCE BLDG		SM	418	1,332	557
HOUSING MAINT	(W/MFH SELF-HELP)		SM	418	1,332	(557)
SUPPORTING FACE			'		_,	336
UTILITIES			I LS	1		(88)
PAVEMENTS			LS			(96)
SITE IMPROVEME	NTS		LS			(150:)
LANDSCAPING			LS			(3:
SUBTOTAL						893
	(5%)					45
FOTAL CONTRACT (F	938
SUPERVISION, INS	SPHCTION AND OVERHEAD	(5.7%)			53
TOTAL REQUEST					F	991
AREA COST FACTOR	2		88			
parking, drivewa	ys, curbs, gutters, s :	ignage,	navomo			
the family housi <u>EQUIREMENT:</u> And lousing (MPH) so lousing resident <u>CURRENT SITUATIO</u>	ruct a 418 SM (4,500 S ing self-help store (cr n adequate family hous: elf-help store located	SF) fami urrent ing mai for ea have a	ATE: OS ily hous mission ntenanc ase of a housin	SM sing mainte). Se facility access for ng maintena	SUBSTANDARI mance facili with milita maintenance nce facility	D : 0 SM ty to include ry family personnel and . The

DD FORM 1391, DEC 76 Previous editions are obsolete.

2. DATE 1.COMPONENT FY 2003 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE 3. INSTALLATION AND LOCATION POPE AIR FORCE BASE, NORTH CAROLINA 5. PROJECT NUMBER 4. PROJECT TITLE REPLACE HOUSING MAINTENANCE BLDG TMKH024003 12. SUPPLEMENTAL DATA: a. Estimated Design Data: Design/Build (1) Status: (a) Date Design Started 01 Aug 20 (b) Parametric Cost Estimate used to develop costs Ν 35 (c) Percent Complete as of Jan 2002 01 Dec 15 (d) Date 35% Designed 02 May 10 (e) Date Design Complete (f) Energy Study/Life-Cycle analysis was performed; (2) Basis: NO (a) Standard or Definitive Design -(b) Where design was most recently used -N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$50) (a) Production of Plans and Specifications 50 0 (b) All other Design Costs 50 (c) Total 50 (d) Contract (e) In-house 03 Mar (4) Construction Start 04 Jun (5) Construction Completion b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT		FY 2003 MILITARY CONSTRUCTION PROGRAM 2. DATE									
AIR FORCE											
NSTALLATION AND	LOCATI	ON		COMM	AND:			5. ARE			
SEYMOUR JOHNSC	N AIR FO	ORCE BAS	SE,	AIR CO	OMBAT	СОММА	ND	COST INDEX			
VORTH CAROLINA								0.82			
3. Personnel	PERMANENT STUDENTS SU			IPPORTED							
strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	-		TOTAL	
AS OF 30 SEP 01	465	3875			0	0	35		1	5,410	
END FY 2005	465	3865			0	0	35			5,389	
7. INVENTORY DAT				U U	Ũ	Ū				-,	
Fotal Acreage:	(+)	4,107									
nventory Total as of	: (30 Sep	,								311,465	
Authorization Not Yet	• •	,								12,083	
Authorization Reques										18,615	
Authorization Included				n.	(FY 200	14)				18,96 '3	
Planned in Next Three			rograi		(11 200	,				59,15 1	
Remaining Deficiency		rogram								00,101	
Grand Total:	-									420,27 7	
										420,211	
3. PROJECTS REQU	IESTED I	N THIS P	ROGF	RAM:			(FY 200	3)			
CATEGORY								COST	DESIGN	STATUS	
	PROJEC	T TITLE				<u>SCOPE</u>			TART		
		Family Ho	usina			126 UN			Jun-01	Jul-02	
11 172	Ropidoo		uonig			120 011		10,010	oun or	001 02	
)a. Future Projects: I	ncluded i	n the Follo	owing	Progran	n: (FY2()04)					
'11-142	Replace	Family Ho	using			138 UN		18,963			
b. Future Projects: T	ypical Pl	anned Ne	xt Thre	ee Year	S:	((FY05-0	7)			
44.440						400 1111		40.040			
		Family Hou						19,340			
		Family Hou				136 UN		19,692			
'11-142	Replace I	Family Hou	ising			138 UN		20,119			
Ic. Real Propery Main	ntenance	Backlog T	his in	stallatio	า					126,54 2	
						quadran	a with t	vo condu	oting 15E		
0. Mission or Major I Jualification training; a										Initial	
ualineation training, a	anu an Ai		50100	All IVen		ing with	one no	-15517 54	uauron.		
	00										

D Form 1390, 24 Jul 00

10.1

1. COMPONENT							2. DATE
AIR FORCE	FY 2003 N	ILITARY CO	ONSTRU	ICTION	PROJEC	CT DATA	
3. INSTALLATION AND LOC SEYMOUR JOHNSON		SE. NORTH		4. PROJE REPLAC	-	Y HOUSING	PHASE 6
CAROLINA							
5. PROGRAM ELEMENT	6. CATEGO	DRY CODE	7. PRO	JECT NUM	BER	8. PROJECT	COST (\$000)
88741	7	/11-142		KAG 01	6002R2	18	,615
		9. 0051	EISTIMAT	E			COST
MILITARY FAMILY H			U/M	QUAN 12		UNIT COST 85,619	(\$000) 10,788
SUPPORTING FACILIT SITE IMPROVEMENT UTILITIES STREETS LANDSCAPING	TES		LS LS LS LS LS				5,984 (632) (1,225) (656) (241)
RECREATION DEMOLITION & ASB OTHER SITE WORK SUBTOTAL CONTINGENCY (5%)	ESTOS REMOV	AL	LS LS				(270) (957) (2,003 16,772 839
TOTAL CONTRACT CO SUPERVISION INSPEC TOTAL REQUEST		RHEAD (5.7%)				17,611 <u>1,004</u> 18,615
AREA COST FACTOR 10. DESCRIPTION OF F clearing, replacement/upg force protection. Provides fencing, landscaping, & n	rade of utility sys normal amenities	tems and roads, s, to include app	construct pliances, a	ion of tow air conditio	n house a oning, sing	nd duplex hou gle car garage	using units and
<u>Pavarade Bedroc</u> E1-E6 2 EI-E6 3	o <u>m</u> NSF 1 .080 1,310	1,340	i <u>SM</u> 124 151	Project <u>Factor</u> 0.820 0.820	Cost I <u>GSM</u> 732 732	Per No <u>Units</u> 39 <u>87</u> 126	(\$000) <u>Total</u> 2,903 7.885 10.788
Maximumsize: E1-E6/2	Bedroom (1210 N	NSF/1500 GSF)	, E1 - E6/3	Bedroom	(1420 NS	F/1760 GSF)	
11. Requirement: 2,532 <u>PROJECT</u> : Replace-Milit <u>REQUIREMENT</u> : This pr and their dependents static programmed in accordance comfortable, and appealin housing will provide a modexterior storage and a sing neighborhood support infi include landscaping and r Force Protection Standard adequate housing for base	2 UN AD ary Family Housi roject is required oned at Seymour- e with the Housin g living environm odem kitchen, livi gle car attached ga rastructure will be ecreation areas. F s for Military Fam	PEQUATE: 1,2 ng, Phase 6 (Cu to provide mode Johnson AFB. A ng Community I nent comparable ng room, family arage. Exterior e upgraded to m force protection	74 UN urrent Missem and eff All units verofile. Reference to the o verofile, arrow,	SUBST ssion). fficient rep will meet ' eplacemen ff-base civ nd bath con vill be prov m housing will be in	ANDARD lacement l whole hou t housing ilian comm figuration vided for a needs. N corporated	b: 1,258 UN housing for m use" standards will provide a munity. The r with ample is second vehic eighborhood is I IAW DoD A	ilitary members and are a safe, eplacement nterior and le. The base mprovements Antiterrorism/

1. COMPONENT		2. DATE
	FY 2003 MILITARY CONSTRUCTION PRO	DJECT DATA
AIR FORCE		
3. INSTALLATION AND LO	CATION	
	AIR FORCE BASE, NORTH CAROLINA	
4. PROJECT TITLE		5. PROJECT NUMBER
REPLACE FAMILY HO	OUSING, PHASE 6	VKAG 016002R2
CURRENT SITUATION	I: This project replaces Capehart units that were construct	ted in 1958. These 43-year old
houses are showing the e	ffects of age and continuous heavy use. They have had n	o major upgrades since construction,
	ls of today's families, nor do they provide a modem home	
	equire major repair or replacement due to the effects of a	
	Foundations and pavements are showing signs of failure	
	iquated and do not meet current standards for efficiency	
	any modem criteria. Bedrooms are small and lack adequa	
	. Kitchens have insufficient cabinets, storage and counter	
	s and sinks are badly worn. Flooring throughout the hous	
	tdated and require abnormal maintenance and repair. Elec	
	its. Lighting systems throughout the houses are inefficient	
	ning systems require upgrade or replacement. This project	
	<u>TDED</u> : Air Force members and their families will continue	
	he housing will continue to deteriorate with age, resulting	
	convenience to the occupants, and will ultimately become	
	nplished with little or no substantial improvement in occur	pant's quality of life. These
	dverse impact on morale and degrade mission execution.	
	ject meets the criteria/scope specified in Part II of Militar	
	conomic analysis has been prepared comparing the alterna	
revitalization, leasing and	l status quo operation. Based on the net present values and	d benefits of the respective
alternatives, replacement	construction was found to be the most cost efficient over	the life of the project. Improvement
costs represent 96% of th	e replacement costs for the two bedroom units and 90% o	f the replacement costs for the three
	s is replacement housing, there will be no increase in the	
	district to support base dependents. The construction age	
	SIOH costs of 5.7%. Base Civil Engineer: Lt Col Rumsey	

1.COMPONENT			L. DATE
AIR FORCE	FY 2003 MILITARY CONSTRUCTION PR	OJECT DATA	
3. INSTALLATION AND LO	CATION		
SEYMOUR JOHNSON	AIR FORCE BASE, NORTH CAROLINA		
4. PROJECT TITLE		5. PROJECT NUMB	ER
REPLACE FAMILY HO		VKAG 0 16	002R2
12. SUPPLEMENTAL a. Estimated Design Data			Design/Build
a. Estimated Design Dat	**		200181120110
(1) Status:			01 4 20
(a) Date Desig	gn Started Cost Estimate used to develop costs		01 Aug20 N
	mplete as of Jan 2002		3.5
(d) Date 35%			01 Dec 15
(e) Date Desig			02 May 10
(f) Energy Stu	idy/Life-Cycle analysis was performed;		
(2) Basis:			
	Definitive Design -		NO
(b) Where desig	gn was most recently used -		N/A
(3) Total Cost (c) =	= (a) + (b) or (d) + (e):		(\$840)
	of Plans and Specifications		840
(b) All other I			0
(c) Total			840
(d) Contract			840
(e) In-house			
(4) Construction Sta	art		03 Mar
(5) Construction Co	mpletion		04 Jun
b. Equipment associated	with this project will be provided from other appropriation	ons: N/A	

MILITARY FAMILY HOUS	SING JUSTIFICATION	1. DATE OF REPORT Ott-00			2. FISCAL 2003	. YEAR		CONTROL S R)1716	SYMBOL
3. DOD COMPONENT	4. REPORTING INST							1	
AIR FORCE	a. NAME				b. LOCAT				
5. DATA AS OF	SEYMOUR	JOHNSON AFB	Phase 6			NORTH C	AROLINA	D-A&L(AR)1716 DLINA TED E9-E7 (f) (g) 366 3,562 366 3,562 366 3,562 318 1,894 9 51 309 1,843 309 1,717 183 1,225 183 1,225 183 1,225 0 0	
2000 ANALYS		CURR				BBO	ECTED		
OF	00	OFFICER	E9-E7	E6-E1	TOTAL	OFFICER		F6-F1	ΤΟΤΑ
REQUIREMENTS	AND ASSETS	(a)	(b)	(c)	(d)	(e)			(h)
6. TOTAL PERSONNEL	STRENGTH								
- DEDMANENT DADTY		556	374	3,644	4,574	547	366	3,562	4497
7. PERMANENT PARTY	PERSONNEL	556	374	3,644	4,574	547	366	3.562	4,497
B. GROSS FAMILY F	OUSINGUIREMENTS					1			
		392	323	1,925	2.640	384	318	1,894	2,596
9. TOTAL UNACCEPTAB	LY HOUSED (a + b + c)	0	0	126	126				
a. INVOLUNTARILY	SEPARATED	<u> </u>	•	120	120				
		0	0	0	0				
b. IN MILITARY HOU DISPOSED/REPL		0	0	126	126				
	HOUSED IN COMMUNIT		U	120	120				
0. 0		0	0	0	0				
IO. VOLUNTARY SEPAR	ATIONS	4	9	52	65	4	•	E1	64
1. EFFECTIVE HOUSING			.	52	60	e ing a station of the	5	91	04
		388	314	1,873	2,575	380	309	1,843	2,532
2. HOUSING ASSETS (a	i + b)			1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	0.640	380	200	4 747	0.400
a. UNDER MILITAR		388	314	1,747	2,449	360	203	1,/1/	2,406
a. UNDER MILITAR	I CONTROL	155	183	1,225	1,563	155	183	1,225	1,563
(1) HOUSED IN I									
OWNED/COI	NTROLLED TRACT/APPROVED	155	183	1,225	1,563	155	183	1,225	1,563
(2) UNDER CON	IRAGI/APPROVED					0	0	0	0
(3) VACANT									
					0				
(4) INACTIVE					0				
b. PRIVATE HOUSI	NG		1						
		233	131	522	886	225	126	492	843
(1) ACCEPTABL	Y HOUSED	233	131	522	886				
(2) ACCEPTABL	E VACANT RENTAL		191	JEL					
	····	0	0	0	0			1. 2. 3. 3. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	
3. EFFECTIVE HOUSING	DEFICIT	0	0	126	126	0	0	126	126
4. PROPOSED PROJEC	r	- Vi	- X aji (1	UZU	140			140	140
T. I NOT OBED FROJEC	•					o	0	126	126

Item 12.a.(1): 1258 on base units are inadequate.

1. COMPONENT AIR FORCE								GRAM	2. DATE		
INSTALLATION AND GRAND FORKS AIR NORTH DAKOTA				AIR MOBILITY COMMAND COST					EA CONST INDEX 01		
6. Personnel		RMANENT			TUDEN	_		PPORTE	D		
Strength AS OF 30 SEP 01	OFF	ENL 2399	CIV 549	OFF	ENL	CIV	OFF	ENL 1	CIV 58	<u>TOTAL</u> 3,320	
END FY 2005	312 307	2399	549 550				1	1	58	3,3 <u>2</u> 0 3,27 ₀	
7. INVENTORY DAT	A (\$000)								- I I	·	
Total Acreage: 5,422											
Inventory Total as of Authorization Not Yet	• •	,								396,986 0	
Authorization Request		•								30,140	
Authorization Included	d in the F	Following P	rogram	:	(FY 200	04)				30,560	
Planned in Next Thre		Program:								95,327	
Remaining Deficiency Grand Total:	/:									0 553,013	
								-			
8. PROJECTS REQU	JESTED	IN THIS PI	ROGR	AM:			(FY2003		DESIGN	STATU\$	
	PROJEC					SCOPE			TART		
		<u>Γ΄ ΠΠΕΕ</u> Family Ηοι	usina			150 UN			Jun-01	Jul-0 2	
	•	-	-					, -			
9a. Future Projects: I			-	Program	:		(FY 2004	,			
711-142	Replace I	Family Hou	sing			150 UN		30,560			
9b. Future Projects: 7				e Years			(FY05-0	•			
		Family Hou				152 UN		31,169			
-	•	Family Hou Family Hou	•			152 UN 152 UN		31,735 32,423			
, I I - I I Z	itepiace i	anny riou	Sing			152 010		32,423			
9c. Real Propery Mai										234,112	
10. Mission and Majo	or Functio	ns: An air	refeulir	ng wing	with fou	ır KC-I 3	5 squad	rons.			
1											
D Form 1390, 24 Jul	00										

D Form **1390**, **24** Jul 00

1. COMPONENT							2. DATE	
AIR FORCE	FY 2003 I	MILITARY CO	NSTRU	CTION	PROJEC	CT DATA		
3. INSTALLATION AND LOC	ATION		4. PROJECT TITLE					
GRAND FORKS AIR FO	DRCE BASE, N	ORTH DAKOTA	REPLACE FAMILY HOUSING PHASE F					
5. PROGRAM ELEMENT	6. CATEG	ORY CODE	7. PRO	JECT NUM	BER	8. PROJECT	COST (\$000)	
88741		711-142		<u></u>	78R2	30	0,140	
		9. COST		E			COST	
	ITEM		U/M	QUAN		UNIT COST	(\$000)	
MILITARY FAMILY HO SUPPORTING FACILIT SITE IMPROVEMENT UTILITIES STREETS RECREATION DEMOLITION & ASB GARAGES SUBTOTAL CONTINGENCY (5%) TOTAL CONTRACT CO SUPERVISION INSPECT TOTAL REQUEST	IES 'S ESTOS REMOV OST FION AND OVI		UN LS LS LS LS LS	15	50	159,333	23,900 3,257 (448) (632) (483) (544) (472) (678) 27,157 1,358 28,515 <u>1,625</u> 30,140	
AREA COST FACTOR	1.01			50 1		: 1 . :		
10. DESCRIPTION OF F underground utilities, park								
energy efficiency, heating	, air conditioning	g, floor coverings,	, attached	garages,	storage, ar	nd 5% of the	units constructed	
as handicapped adaptable.	Includes demoli	ition of 150 exist	ing units	and envir	onmental	hazard remed	iation.	
Paygrade Bedroo E7-E9/W1-O3 3 E7-E9/W1-O3 4 04-05 3	om <u>NSF</u> 1,800 2,034 1,929	2,232 2	<u>SM</u> 07 35	Project Factor 1.010 1.010 1.010	Cost F <u>GSM</u> 732 732 732 732	Per No <u>Units</u> 96 36 <u>18</u> 150	(\$000) <u>Total</u> 14,691 6,255 <u>2,954</u> 23.900	
Maximum size: E7-E9/W1 - 04-05		(1650 NSF/205 0 NSF/2300 GSF		E7-E9/W1	I-O3 - 4 B	edroom (202	0 NSF/2500 GSF)	
11. Requirement: 1,5 <u>PROJECT:</u> Replace-Milita <u>REOUIREMENT:</u> Project at Grand Forks AFB. All appealing living environm with the Housing Commu lousing Guide, 5% will be NSM) authorized for recre	iry Family Hous will provide mo units will meet " ent comparable nity Plan and Far e constructed as	dem and efficien whole house/ nei to the off-base ci mily Housing Ma handicapped adap	rrent Miss t housing ghborhood vilian con ster Plan. ptable. Ea	sion). for milita d" standar nmunity. 1 In accore	ry membe ds and pro Project is dance with	ovide a safe, programmed n the Air Ford	Camilies assigned comfortable, and in accordance ce Family	

1. COMPONENT AID EODCE

FY 2003 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

AIR PORCE	
3. INSTALLATION AND LO	CATION

GRAND FORKS AIR FORCE BASE, NORTH DAKOTA

4. PROJECT TITLE

REPLACE FAMILY HOUSING, PHASE F

5.	PROJECT	NUMBER

JFSD990078R2 CURRENT SITUATION: This project replaces houses constructed 1958-1959. The units are undersized, meet none of the "whole house/neighborhood" standards, and show the effects of age and continuous heavy use. They have had no major upgrades since construction and do not meet the needs of today's families. Roofs, walls, foundations and exterior pavements require major repair or replacement owing to the effects of age. Roof structures show signs of rot. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Housing interiors are inadequate by any modem criteria. Bedrooms are small and lack closet space. Bathrooms are small, fixtures are outdated and energy-inefficient. Kitchens lack sufficient storage and counter space, cabinets are old and unsightly, and countertops and sinks are badly worn. Flooring throughout the house is outdated and contains asbestos. Outlets lack grounding protection, and there is no Ground Fault Interrupter circuit protection. Lighting systems are inefficient and require replacement, and units have no air conditioning. The units have no patio or backyard privacy. Housing lacks additional 28 net square meters for indoor recreation space authorized at northern tier bases. IMPACT IF NOT PROVIDED: Air Force members and families will continue to be inadequately housed. Low morale and retention problems can be expected since comparable, affordable off-base housing is not available. Units will continue to deteriorate resulting in escalating operations, maintenance and repair costs to the Government. ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facilities Planning and Design Guide". Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. The cost to improve this housing is 75% of the replacement cost. The construction agent for this project is the Army Corps of Engineers resulting in SIOH costs of 5.7%. Base Civil Engineer: Lt Col Joseph Schwazz, (701) 747-4768.

2. DATE

AIR FORCE	FY 2003 MILITARY CONSTRUC		
B. INSTALLATION AND LO	CATION		
GRAND FORKS AIR F	ORCE BASE, NORTH DAKOTA		
. PROJECT TITLE		5. PROJECT NUMBER	
		HCD0000781	22
REPLACE FAMILY HO		JFSD9900781	Q
. Estimated Design Data		Г	esign/Build
. Estimated Design Date		L	csign/Duild
(1) Status:			
(a) Date Desig			01 Aug 10
	Cost Estimate used to develop costs		Ν
	mplete as of Jan 2002		35
(d) Date 35%	Designed		01 Dec 10
(e) Date Desig	gn Complete		02 May 10
(f) Energy Stu	udy/Life-Cycle analysis was performed;		
(2) Basis:			
(a) Standard or	Definitive Design -		NO
	n was most recently used -		N/A
(3) Total Cost (c) -	= (a) + (b) or (d) + (e):		(1,120
	of Plans and Specifications		1,120
			1,120
(b) All other D	Jesign Costs		1,120
(c) Total			
(d) Contract			1,120
(e) In-house			
(4) Construction Sta	urt		03 Mar
(5) Construction Co	ompletion		04 Jun
Equipment associated	with this project will be provided from other	appropriations: N/A	

MILITARY FAMILY HOUS	ING JUSTIFICATION 1. [DATE OF REPORT Sep-01			2. FISCAL 2003	YEAR	REPORT C	CONTROL S	SYMBOL		
3. DOD COMPONENT	4. REPORTING INSTALLA				2005		שם אמבנא	91110			
AIR FORCE	a. NAME				b. LOCAT	b. LOCATION					
5. DATA AS OF 2001	GRAND FORKS	AFB	Phase F			NORTH DA	KOTA				
ANALYS	IS	CURRI	ENT	0.00			ECTED				
	AND ASSETS	OFFICER (a)	E9-E7 (b)	E6-E1 (c)	TOTAL (d)	OFFICER (e)	E9-E7 (f)	E6-E1 (g)	TOTA (h)		
6. TOTAL PERSONNEL S	TRENGTH	312	245	2,152	2,709	307	236	2,093	2,636		
7. PERMANENT PARTY F	ERSONNEL	312	245	2,152	2,709	307	236	2,093	2,636		
8. GROSS FAMILY HOUS	GROSS FAMILY HOUSING REQUIREMENTS FOTAL UNACCEPTABLY HOUSED (a + b + c) a. INVOLUNTARILY SEPARATED b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED c. UNACCEPTABLE HOUSED IN COMMUNITY		218	1,241	1,642	181	211	1,204	1,596		
9. TOTAL UNACCEPTAB	LY HOUSED (a + b + c)	84	66	0	150						
a. INVOLUNTARILY	SEPARATED	0	0	0	.0						
		84	66	0	150						
c. UNACCEPTABLE	HOUSED IN COMMUNITY	0	0	0	0						
10. VOLUNTARY SEPARA	TIONS	2	2	9	13	2	2	9	13		
11. EFFECTIVE HOUSING	REQUIREMENTS	181	216	1,232	1,629	179	209	1,195	1,583		
12. HOUSING ASSETS (a	+ b)	354	183	1,445	1,982	95	143	1,195	1,433		
a. UNDER MILITARY	CONTROL	325	82	966	1,373	66	49	753	868		
(1) HOUSED IN E OWNED/CON		325	82	966	1,373	66	49	753	868		
(2) UNDER CON	TRACT/APPROVED				_	0	0	0	O		
(3) VACANT		0	0	0	0						
(4) INACTIVE		0	0	0	0						
b. PRIVATE HOUSIN	G	29	101	479	609	29	94	442	565		
(1) ACCEPTABLY	HOUSED	29	101	479	609						
(2) ACCEPTABLE	VACANT RENTAL	0	0	0	0			No	111100 (Marcola 1000)		
3. EFFECTIVE HOUSING	DEFICIT	(173)	33	(213)	(353)	84	66	0	150		
4. PROPOSED PROJECT						84	66	0	150		

Item 12.a(1): 1240 on-base units are inadequate.

Item 12.a.(1): 280 surplus units are scheduled for demolition.

225 surplus units will be demolished when useful life expires.

DD FORM 1523, NOV 90

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1. COMPONENT AIR FORCE		FY 200	3 MIL	ITARY	CONST	RUCTIC	ON PRO	GRAM 2	2. DATE	
INSTALLATION AN MINOT AIR FORCE		COMM AIR CC		СОММА	ND	5. AREA COST INI 1.11				
6. Personnel	PE		_	S	UDEN	ſS	SU	PPORTED)	
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 01	581	4077	886	0	0	0	14	14	121	5,693
END FY 2005	5741	4007	877	0	0	0	14		12i'	5,607
7. INVENTORY DA	ATA (\$000)									-
Total Acreage: Inventory Total as of Authorization Not Y Authorization Require Authorization Includo Planned in Next The	et in Invent ested in thi led in the F	ory: s Program ollowing P		n:	(FY 200)4)				373,552 0 21,4213 42,523 132,647
Remaining Deficien		- 5								0
Grand Total:	2									570,150
8. PROJECTS REC	QUESTED	IN THIS P	ROGR	RAM:			(FY 200	3)		
CODE 711-142 9a. Future Projects:	·	Family Ho	0	Program		<u>SCOPE</u> 112 UN		<u>\$,000 ST</u> 21,428 、		<u>C M P L</u> Jul-02
711-142		Family Hou	-	rogran		185 UN		42,523		
	·	-	-							
9b. Future Projects	: Typical P	anned Nex	xt Thre	ee Years	s:		(FY05-07	7)		
711-142	Doplace							07.000		
711-142		Family Hou Family Hou				161 UN		37,938		
711-142		Family Hou				22 UN 181 UN		5,433 44,159		
·11-142		Family Hou				141 UN		44,159 45,117		
11 112			loning					43,117		
c. Real Propery Ma	aintenance	Backlog T	his In	stallatior	า					283,769
IO. Mission or Majo						squadror	n and an	Air Force	Space	,
Command missile g and UH-1 Ns.			-			•			•	

D Form 1390, 24 Jul 00

1. COMPONENT										2. DATE
AIR FORCE	F١	Y 2003 I	MILITARY	CONS	STRUC	CTION	PROJE	CT DAT	Ά	
3. INSTALLATION AND LOO	CATION						CT TITLE			
MINOT AD EODCE D	ACE N							CARY FA	MILY	HOUSING
MINOT AIR FORCE BA	43E, N		ORY CODE	7		PHASE 8 ECT NUM		8 PRO	JECT (COST (\$000)
				-						
88741			711-142			VF 0290	01R2		2 1,4	428
			9. (COST ES	TIMATE					COST
	ITEM	1			U/M	QUAN	ΙΤΙΤΥ		ѕт	(\$000)
MILITARY FAMILY H		IG			UN	11	2	152,777		17,111
SUPPORTING FACILIT					LS					2,196
SITE IMPROVEMENT	ГS				LS					(378)
UTILITIES					LS					(405)
STREETS										(479)
RECREATION DEMOLITION & ASE	DECTO	E DEMOX	7 4 1		LS LS					(497)
SUBTOTAL	SESTO:	S KEMU	VAL		LS					(437)
CONTINGENCY (5%)										19,307
TOTAL CONTRACT C	лет									<u>965</u>
SUPERVISION INSPEC				5 704)						20,272 1,156
TOTAL REQUEST			ERITEAD (.	5.770)						<u>1,150</u> 21,428
IOTAL REQUEST										21,420
AREA COST FACTOR		1.11								
10. DESCRIPTION OF I	PROPO	SED CON	NSTRUCTIO	ON∙ Con	struct 1	12 housi	ing units	with all n	ecessa	ry supporting
facilities including: garag										
sidewalks, playground, la										
124 units with 112 new b					rr		F	J		
	e									
						Project	Cost			(\$000)
Paygrade Bedroo	<u>om</u>	NSF	<u>GSF</u>	<u>GSM</u>		actor	<u>GSM</u>			Total
EI-E6 2		1,381	1,712	159		1.110	732		6	2,067
EI-E6 3 EI-E6 4		1,615	2,002	186		1.110	732			1,183
EI-E6 4		1,873	2,322	216		1.110	732	<u>4</u> 11		<u>3,861</u> 17,111
									-	,
Maximum size: E1-E6/2	Bedroo	m (1210 N	NSF/1500 G	SF), E1-	E6/3 B	edroom	(1420 NS	SF/1760 G	GSF)	
			0 NSF/2220		_		(
	((= · / ·		/						
11. Requirement: 2,591	I UN	A	DEQUATE:	789 U	N S	UBSTA	NDARD	: 1,802 L	JN	
PROJECT: Replace-Milit										
REQUIREMENT: This p							sing for	militarv m	nember	s and their
dependents stationed at M										
appealing living environm						-	-			
accordance with the House										
and bath configuration wi										
recreation room. Single o										
double car garage is not p										
needs, to include landscap							10			C C

FY 2003 MILITARY CONSTRUCTION PROJECT DATA

L. DATE

AIR FORCE

3. INSTALLATION AND LOCATION

MINOT AIR FORCE BASE, NORTH DAKOTA

4. PROJECT TITLE

REPLACE MILITARY FAMILY HOUSING, PHASE 8

5.	PROJECT	NUMBER

OJVF02900 1 R2

<u>CURRENT SITUATION</u>: This project improves Capehart units built in 1962, which are showing the effects of age and continuous heavy use. They have had no major upgrades since construction, do not meet the needs of today's family, nor do they provide a modem home environment. Kitchens are too narrow and dark, and do not provide adequate cabinet and counter top space. The bathrooms are very small and in poor condition. Bathroom fixtures are outdated and inefficient. Lighting in hallways, bathrooms, and bedrooms is inadequate. The exteriors of these units lack landscaping, off-street parking is severely limited, and traffic flow in and around the housing areas is inefficient. <u>IMPACT IF NOT PROVIDED</u>: Air Force members and their families will continue to live in extremely outdated, unsuitable, and unsatisfactory housing. The housing will continue to deteriorate, resulting in increasing and unacceptable maintenance costs, and extreme inconvenience to the occupants. Without this and subsequent phases of the initiative, repairs of these units will continue in a costly, piecemeal fashion, with little or no improvement in living quality. The housing will increasingly become an embarrassment to the occupants as well as the United States Government. Low morale can be expected if such conditions are permitted to continue.

<u>ADDITIONAL</u>: Units have an average replacement cost of \$152,777 per unit. Improvement cost represents 77% of the replacement cost. An economic analysis has been **performed** considering improvement, replacement, leasing, and status quo operation. Based on the new present values and benefits of the respective alternatives, reconstruction was found to be the most cost efficient over the life of the project. This project meets the criteria/scope specified in Part II of the Military Handbook 1190, "Facility Planning Design Guide". Since this is replacement housing, there will be no increase in the student population or impact on the local school district to support base dependents. 5.7% Supervision, Inspection, and Overhead (SIOH) is being programmed for Army Corps of Engineers. Base Civil Engineer: Lt **Col** Les C Martin, (701) 723-3895.

1. COMPONENT			2.DATE
AID EODCE	FY 2003 MILITARY CONSTRUCTION PR	ROJECT DATA	
AIR FORCE 3. INSTALLATION AND LOG			
3. INSTALLATION AND LO			
MINOT AIR FORCE BA	ASE, NORTH DAKOTA		
4. PROJECT TITLE		5. PROJECT NUMB	ER
REPLACE MILITARY I	FAMILY HOUSING, PHASE 8	QJVF0290)1R2
12. SUPPLEMENTAL I		2000	
a. Estimated Design Data	:		Design/Build
(1) Status:			
(a) Date Desig	n Started		01 Aug 20
	Cost Estimate used to develop costs		N
	nplete as of Jan 2002		35
(d) Date 35%			01 Dec 15
(e) Date Desig	n Complete dy/Life-Cycle analysis was performed;		02 May 10
(1) Energy Stu (2) Basis:	uy/Enc-Cycle analysis was performed,		
	Definitive Design -		NO
(b) Where desig	n was most recently used -		N/A
(3) Total Cost (a) –	(a) + (b) or (d) + (e):		(000)
	of Plans and Specifications		(\$860) 860
(b) All other D			0
(c) Total			860
(d) Contract			860
(e) In-house			
(4) Construction Sta	rt		03Mar
(5) Construction Co	mpletion		04Jun
b. Equipment associated	with this project will be provided from other appropriat	ions: N/A	
DD FORM 1391c, DEC 76	PREVIOUS EDITIONS MAY BE USED INTER		

		DATE OF REPORT July-01			2. FISCAL 2003	TEAR	DD-A&L(A	CONTROL S	TMBOL
3. DOD COMPONENT	4. REPORTING INSTALL				2003			IQ1710	
AIR FORCE	a. NAME				b. LOCAT	ION			
5. DATA AS OF	MINOT AFB		Phase 8			NORTH DA	ΑΚΟΤΑ		
2000								•	
ANALYS	IS	CURR	ENT E9-E7	E6-E1	TOTAL		ECTED	50.54	
OF REQUIREMENTS	AND ASSETS	OFFICER (a)	E9-E7 (b)	(c)	TOTAL (d)	OFFICER (e)	E9-E7 (f)	E6-E1 (g)	TOTA (h)
6. TOTAL PERSONNEL S		(4)	(~)	(0)	(4)	(0)		(9)	(11)
		580	334	3,753	4,667	570	341	3,677	4,588
7. PERMANENT PARTY I	PERSONNEL	580	334	3,753	4,667	570	341	3,677	4,588
B. GROSS FAMILY HOUS	SING REQUIREMENTS	407	315	1,925	2.647	397	321	1,906	2.624
9. TOTAL UNACCEPTABL	Y HOUSED (a + b + c)				1.2.75				
		0	0	124	124				
a. INVOLUNTARILY	SEPARATED	o	0	o	0				
b. IN MILITARY HOU									
	ACED HOUSED IN COMMUNITY	0	0	124	124				
C. UNACCEPTABLE	HOUSED IN COMMUNITY	n	n	n	0				
O. VOLUNTARY SEPARA	TIONS	5	6	22	33	5	6	22	33
I. EFFECTIVE HOUSING	REQUIREMENTS	402	309	1.903	2.614	392	315	1,884	2,591
2. HOUSING ASSETS (a	+ b)							•	• • • •
a. UNDER MILITARY	CONTROL	479	389	1,779	2,567	476	315	1,760	2,551
a. UNDER MILITARY	CONTROL	474	264 I	1,567	2,295 I	474	254	1,567	2,295
(1) HOUSED IN E OWNED/CON		474	254	1,567	2,295	474	254	1,567	2,295
	RACT/APPROVED					0	0	0	0
(3) VACANT		0	0	0	0		-	-	
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSIN	G	2000 - 100 100 - 100 100 - 100	55	212	272	2	61	193	256
(1) ACCEPTABLY	HOUSED	5	55	212	272				
(2) ACCEPTABLE	VACANT RENTAL	0	0	0	0				
3. EFFECTIVE HOUSING	DEFICIT	(77)	0	124	47	(84)	0	124	40
			the state of the second	and the second second		(V7)	<u> </u>	14-7	~~

Item 12.a.(1): 1802 on base units are inadequate. Item 13: 12 additional units will be demolished.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROG							GRAM	2. DATE			
AIR FORCE												
						COMMAND: 5. AREA						
						COMMA	ND	COST I	NDEX			
NORTH DAKOTA								1.11				
6. Personnel		RMANENT			UDEN			IPPORTE	-			
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL		
AS OF 30 SEP 01	581	4077	886		0	0	14			5,693		
END FY 2005	574	4007	877	0	0	0	14	14	· 121	5.60' 7		
7. INVENTORY DAT	FA (\$000)											
Total Acreage:		5,383										
Inventory Total as of										373,552		
Authorization Not Yet										0		
Authorization Reques										20,31 5		
Authorization Include		-	rogran	n:	(FY 200	04)				42,52 3		
Planned in Next Thre		Program:								132,647		
Remaining Deficiency	/:									0		
Grand Total:										569,037		
6. PROJECTS REQU	JESTED	IN THIS P	ROGF	RAM:			(FY 200	3)				
CATEGORY								0007	DECION	OTATUO		
		ד דודו ר								STATUS		
	PROJEC					SCOPE			TART			
711-142	Replace	Family Ho	using			102 UN		20,315	Jun-01	Jul-02		
9a. Future Projects: I	ncluded i	n the Follo	owing	Program	n: (FY20	004)						
711-142	Replace	Family Ho	using			185 UN		42,523				
9b. Future Projects: 7	Typical Pl	anned Nex	xt Thre	ee Years	5:	((FY05-0	7)				
711-142	Poplaca	Family Hou	icina			161 UN		27 020				
		Family Hou	•			22 UN		37,938 5,433				
		Family Hou				181 UN		44,159				
		Family Hou			141 UN			44,159				
1 1 172	itepiace i	anniy 1100	ising			141 011		45,117				
∋c . Real Propery Mai	ntenance	Backlog T	his In	stallatior	1					283,769		
10. Mission or Major						squadron	and an	Air Force	e Space	, ,		
Command missile gro			-									
and UH-1 Ns.			oman		oontanioi	nui buille		no oquuu				
DD Form 1390_24 Jul												

DD Form 1390, 24 Jul 00

1. COMPONENT					2. DATE					
	FY 2003 MILITARY CO	ONSTRU	CTION PROJE	CT DATA						
AIR FORCE										
3. INSTALLATION AND LOCATIO	IN		4. PROJECT TITLE REPLACE MILLI	TARY FAMIL	Y HOUSING					
MINOT AIR FORCE BASE,	NORTH DAKOTA		REPLACE MILITARY FAMILY HOUSING PHASE 9							
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJ	ECT NUMBER	8. PROJECT	COST (\$000)					
00744	744.440									
88741	711-142	Q. T E\$TIMATE	IVF 039001R2	20	,315					
	9. 003				COST					
ITE	EM	U/M	QUANTITY	UNIT COST	(\$000)					
MILITARY FAMILY HOUS	ING	UN	102	157,098	16,049					
SUPPORTING FACILITIES		LS			2,255					
SITE IMPROVEMENTS UTILITIES		LS LS			(375)					
STREETS		LS			(376) (389)					
LANDSCAPING		LS			(384)					
RECREATION		LS			(329)					
DEMOLITION & ASBEST	OS REMOVAL	LS			<u>(402)</u>					
SUBTOTAL					18,304					
CONTINGENCY (5%)					<u>915</u>					
TOTAL CONTRACT COST					19,219					
SUPERVISION INSPECTION	AND OVERHEAD (5.7%)			<u>1,096</u>					
TOTAL REQUEST					20,315					
AREA COST FACTOR	1.11									
10. DESCRIPTION OF PROP	OSED CONSTRUCTION:	Construct	102 housing units	with all neces	sary supporting					
facilities including: garages, pa										
sidewalks, playground, landsca										
116 units with 102 new being										
garages, patios, fencing, utilitie										
landscaping, and all other nece being built.	essary support facilities. This	s project wi	ill include demolit	ion of 116 uni	ts with 102 new					
being built.		Project	Cost Per No	(\$000)						
Payarade Bedroom			Factor GSM	Units	Total					
EI-E6 3	1,615 2,002	186	1.110 732	76	11,486					
EI-E6 4	1,873 2,322	216	1.110 732	<u>26</u>	4,563					
				102	16,049					
Maximum size: E1-E6/3 Bedro	om (1420 NSF/1760 GSF)	E1-E6/4 B	edroom (1790 NS	F/2220 GSF)						
	(1120 1001/1700 OD1),	21 201 12		(1/2220 001)						
11. Requirement: 2,591 UN	ADEQUATE: 789) UN	SUBSTANDARI	D: 1,802 UN						
PROJECT: Replace-Military F		irrent Missi	on).							
REQUIREMENT : This project										
dependents stationed at Minot .										
appealing living environment of										
ccordance with the Housing (
nd bath configuration with am ecreation room. Single or dou										
louble car garage is not provid										
ieeds, to include landscaping,			icture will be upg		mouchi nousing					
<u>CURRENT SITUATION:</u> This			in 1962, which are	e showing the	effects of age and					
ontinuous heavy use.	I J. F. F. T. T. F. J.		· · · · · · · · · · · · · · · · · · ·							

DD FORM 1391. DEC 76 PAGE NO PREVIOUS EDITIONS MAY BE USED INTERNALLY UNTIL EXHAUSTED

FY 2003 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

AIR FORCE

3. INSTALLATION AND LOCATION

MINOT AIR FORCE BASE, NORTH DAKOTA

4. PROJECT TITLE

REPLACE MILITARY FAMILY HOUSING, PHASE 9

5. PROJECT NUMBER

QJVF 039001R2

They have had no major upgrades since construction, do not meet the needs of today's family, nor do they provide a modem home environment. Kitchens are too narrow and dark, and do not provide adequate cabinet and counter top space. The bathrooms are very small and in poor condition. Bathroom fixtures are outdated and inefficient. Lighting in hallways, bathrooms, and bedrooms is inadequate. The exteriors of these units lack landscaping, off-street parking is severely limited, and traffic flow in and around the housing areas is inefficient.

IMPACT IF NOT PROVIDED: Air Force members and their families will continue to live in extremely outdated, unsuitable, and unsatisfactory housing. The housing will continue to deteriorate, resulting in increasing and unacceptable maintenance costs, and extreme inconvenience to the occupants. Without this and subsequent phases of the initiative, repairs of these units will continue in a costly, piecemeal fashion, with little or no improvement in living quality. The housing will increasingly become an embarrassment to the occupants as well as the United States Government. Low morale can be expected if such conditions are permitted to continue.

ADDITIONAL: Units have an average replacement cost of \$157,343 per unit. Improvement cost represents 77% of the replacement cost. An economic analysis has been performed considering improvement, replacement, leasing, and status quo operation. Based on the new present values and benefits of the respective alternatives, reconstruction was found to be the most cost efficient over the life of the project. This project meets the criteria/scope specified in Part II of the Military Handbook 1190, "Facility Planning Design Guide". Since this is replacement housing, there will be no increase in the student population or impact on the local school district to support base dependents. 5.7% Supervision, Inspection, and Overhead (SIOH) is being programmed for Army Corps of Engineers. Base Civil Engineer: Lt Col Les C Martin, (701) 723-3895.

DD FORM 1391c, DEC 76 PAGE NO

1. COMPONENT			2. DATE
AIR FORCE	FY 2003 MILITARY CONSTRUCTION PR	OJECT DATA	
3. INSTALLATION AND LO	CATION		•
	ASE, NORTH DAKOTA		
4. PROJECT TITLE		5. PROJECT NUMBE	=R
	FAMILY HOUSING, PHASE 9	QJVF 0390	01R2
12. SUPPLEMENTAL			
a. Estimated Design Data	1.		Design/Build
(1) 6()			
(1) Status:	un Chauta I		01 4 00
(a) Date Desig			01 Aug 20
	Cost Estimate used to develop costs		N
	mplete as of Jan 2002		35 01 D = 15
(d) Date 35%			01 Dec 15
(e) Date Desig			02 May 10
	udy/Life-Cycle analysis was performed;		
(2) Basis:	Definitive Design -		NO
	in was most recently used -		NO N/A
(b) where desig	ii was most recently used -		N/A
(3) Total Cost (c) =	= (a) + (b) or (d) + (e):		(\$860)
	of Plans and Specifications		(\$800) 860
(b) All other D			0
(c) Total	Costs		860
(d) Contract			860
(e) In-house			000
(c) m-nouse			
(4) Construction Sta	urt		03Mar
(5) Construction Co	mpletion		04Jun
h Equipment appearing a	with this project will be provided from other appropriati	ong N/A	
b. Equipment associated	with this project will be provided from other appropriati	0115. 1 V/A	

MILITARY FAMILY HOUSING JUSTIFICATION 1. DA	TE OF REPORT July-01	-		2. FISCAL	. YEAR	REPORT O		SYMBOL
B. DOD COMPONENT 4. REPORTING INSTALLATION	,			2000		ושם אמבואו	() / / / O	
AIR FORCE a. NAME				b. LOCAT	ION			
5. DATA AS OF MINOT AFB		Phase 9		Į.	NORTH DA	ΑΚΟΤΑ		
2000								
ANALYSIS	CURR					ECTED		
	OFFICER	E9-E7	E6-E1	TOTAL	OFFICER	E9-E7	E6-E1	TOTA
REQUIREMENTS AND ASSETS 5. TOTAL PERSONNEL STRENGTH	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
5. TOTAL PERSONNEL STRENGTH	560	334	3,753	4,667	570	341	3,677	4,599
. PERMANENT PARTY PERSONNEL		004	0,100	-1,001	0.0	041	0,011	4,000
	560	334	3,753	4,667	570	341	3,677	4,58
3. GROSS FAMILY HOUSING REQUIREMENTS								
	407	315	1,925	2,647	397	321	1,906	2,62
3. TOTAL UNACCEPTABLY HOUSED (a + b + c)	o	0	116	116				
a. INVOLUNTARILY SEPARATED	U	U	110	1.10 33				
	o	0	0	0				
b. IN MILITARY HOUSING TO BE				-0.2				
DISPOSED/REPLACED	0	0	116	116				
c. UNACCEPTABLE HOUSED IN COMMUNITY		0	•	. 8				
0. VOLUNTARY SEPARATIONS		0	0	0				5.550
U. VOLUNIART SEPARATIONS	5	6	22	33	5	6	22	33
1. EFFECTIVE HOUSING REQUIREMENTS	Ť	ů.			<u> </u>			
	462	309	1,903	2,614	392	315	1,884	2,591
2. HOUSING ASSETS (a + b)				-				
	<u>479</u>	209	1,663	2,451	476	315	1.756	2,547
a. UNDER MILITARY CONTROL	474	254	1.451	2,179	474	254	1.563	2,291
(1) HOUSED IN EXISTING DOD	4/4	234	1,431	<u> </u>	4/4	234	1,303	2,23
OWNED/CONTROLLED	474	254	1,451	2,179	474	254	1,451	2,179
(2) UNDER CONTRACT/APPROVED								
					0	0	112	112
(3) VACANT		_		2-40-1-6-1				
(4) INACTIVE	0	0	0	0				
(4) INACTIVE	0	0	0	. 0				
b. PRIVATE HOUSING	Sector Sector							1.000 (S. 10)
	5	55	212	272	2	61	193	256
(1) ACCEPTABLY HOUSED								
	5	55	212	272				
(2) ACCEPTABLEVACANTRENTAL	0	0	0	0				
3. EFFECTIVE HOUSING DEFICIT		.	-1-303-4-5	1997년 - 1997년 1997년 1997년 - 1997년 - 1997년 199 1997년 - 1997년 - 1997년				
	(77)	0	240	163	(84)	0	128	44
4. PROPOSED PROJECT								
					0	0	102	102

Item **12.a.(1):** 1802 on base units are inadequate. Item 13: 14 additional units will be demolished.

I. COMPONENT		FY 20	03 MIL	ITARY	CONST	RUCTIO	N PROC	GRAM	2. DATE	
AIR FORCE		-								
NSTALLATION AND) LOCATI	ON		Сомм	AND:			5. ARE	CONST	
/ANCE AIR FORCE	BASE					ON AND)	COST II		
JKLAHOMA						MMANE		0.91		
3. Personnel	PE	RMANENT	-		TUDEN			IPPORTE	D	
strength	OFF	ENL	CIV	OFF			OFF	ENL		TOTAL
\S OF 30 SEP 01	296	404	109			0.1	53		3	866
IND FY 2005	352	402	108				53		3	919
'. INVENTORY DAT		102	100				00	I	0	010
Total Acreage:	π (φοσο)	3,270								
nventory Total as of	· (30 Sen									91,080
Authorization Not Yet	•	,								01,000 0
Authorization Reques										11,423
Authorization Include		•			(FY 200	14)				11,420
Planned in Next Three		-	rogram	•	(11200)4)				12,289
Remaining Deficiency		Togram.								12,209
Grand Total:	/.									Ŷ
Jianu Total.										114,792 2
J. PROJECTS REQU			POCP	^ N / ·				2)		
ATEGORY			RUGR	AIVI.			(FY 200		DESIGN	OTATUO
		ד דודו ר				SCODE				STATUS
	PROJEC					SCOPE	•		TART	
ʻ1 I-142	Replace	Family Ho	using			59 UN		11,423	Jun-01	Jul-02
la. Future Projects:	Included I	n the Follo	wing F	rogram	: None					
N. Future Designates		a ca ca al Allac		- V			F 07)			_
b. Future Projects:	i ypical Pi	anned Nex	xt Inre	e rears	5:	(FYU	5-07)			
44.440	Devices	F amily 11a						40.000		
'11-142	Replace	Family Hou	using			56 UN		12,289		
Ic. Real Propery Mai										22,184!
0. Mission or Major			training	wing w	hich co	nducts L	Jndergra	duate Pil	ot Training)
vith T-I, T-37, and T-	38 aircraf	ft.								

)D Form 1390, 24 Jul 00

| 1. COMPONENT |

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| 5. PROGRAM ELEMENT | ,

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FY 2003 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

AIR FORCE

3. INSTALLATION AND LOCATION

VANCE AIR FORCE BASE, OKLAHOMA

4. PROJECT TITLE

REPLACE FAMILY HOUSING, PHASE 1

5. PROJECT NUMBER

XTFL044003

CURRENT SITUATION: These existing Capehart housing units were constructed in 1960 and do not meet the Whole House standards and are below current Air Force square footage allowances. Housing interiors are outdated and generally inadequate by modem criteria. The bedrooms are small and lack adequate closet space. While these units have been well maintained and do not have any health or safety deficiencies, the costs associated with adding on to each unit and reconfiguring the interior spaces to meet current standards exceed 70% of the replacement cost. Per Air Force Instruction (AFI) 32-6002, Family Housing Planning, Programming, Design, and Construction replacement should be pursued when the estimated cost exceeds 70% of the estimated replacement cost.

IMPACT IF NOT PROVIDED: Residents will continue to live in quarters which do not meet Air Force quality of life standards and the maintenance/utility costs will remain high. Affordable off base housing is not available for our Non-Commissioned Officers due to the large number of officers enrolled in pilot training. Most off base housing units are priced to match the BAH for these officers. For the Non-Commissioned Officer families, the only alternative to living in the existing substandard on-base housing is the expensive off-base housing. This is a major morale and/or financial problem for the affected families.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190 "Facility Planning and Design Guide." An economic analysis will be prepared comparing the alternatives of new construction and status quo operation. The average cost to improve these housing units is greater than 70% of the replacement cost. Since this is replacement housing, there will be no increase in the student population or impact on the ability of local school district to support base dependents. The construction agent for this project is the Army Corps of Engineers resulting in 5.7% SIOH costs. Base Civil Engineer: Mr. John Cole, (580) 283-7771.

DD FORM 1391c, DEC 76 PAGE NO

I. COMPONENT			Z. UATE
AIR FORCE	FY 2003 MILITARY CONSTRUCTION P	ROJECT DATA	
3. INSTALLATION AND LO	CATION		
VANCE AIR FORCE B. 4. PROJECT TITLE	ASE, OKLAHOMA	5. PROJECT NUMBE	R
REPLACE FAMILY HO		XTFL044003	
12. SUPPLEMENTAL I a. Estimated Design Data			Design/Build
u. Estimated Design Dad			
(1) Status:			01 4 10
(a) Date Desig	Cost Estimate used to develop costs		01 Aug 10 N
	mplete as of Jan 2002		35
(d) Date 35%			01 Dec 10
(e) Date Desig			02 May 10
(f) Energy Stu	dy/Life-Cycle analysis was performed;		-
(2) Basis:			
	Definitive Design -		NO
(b) Where desig	n was most recently used -		N/A
(3) Total Cost (c) =	(a) + (b) or (d) + (e):		(\$600)
	of Plans and Specifications		600
(b) All other D			0
(c) Total			600
(d) Contract			600
(e) In-house			
(4) Construction Sta	rt		03Mar
(5) Construction Co.	mpletion		04Jun
b. Equipment associated	with this project will be provided from other appropria	tions: N/A	
DD FORM 1391c, DEC 76		RNALLY	

IILITARY FAMILY HOUS	SING JUSTIFICATION	1. DATE OF REPOR Apr-97	1		2. FISCAL	_ YEAR	DD-A&L(A	ONTROL S	YMBOL
DOD COMPONENT	4. REPORTING INST							y	
AIR FORCE	a. NAME				b. LOCA	FION			
. DATA AS OF 1997	VANCE AF	B	Phase 1			OKLAHON	IA		
ANALY	SIS	CURR					ECTED		
OF REQUIREMENTS		OFFICER (a)	E9-E7	E6-E1	TOTAL	OFFICER	E9-E7	E6-E1	TOTA
. TOTAL PERSONNEL		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
		535	42	361	936	611	42	363	1.016
. PERMANENT PARTY	PERSONNEL	535	42	361	938	611	42	363	1.016
GROSS FAMILY HOU	SING REQUIREMENTS	251	41	224	516	307	41	225	573
TOTAL UNACCEPTAB	LY HOUSED $(a + b + c)$	0	14	45	59				
a. INVOLUNTARILY	SEPARATED	0	0	0	0				
b. IN MILITARY HOU									
	ACED HOUSED IN COMMUNI	0	14	45	59				
C. UNACCEPTABLE	0	0	0	0					
. Voluntary separ	ATIONS	0	0	0	0	0	0	0	0
EFFECTIVE HOUSING	REQUIREMENTS	251	41	224	516	307	41	225	573
. HOUSING ASSETS (a	i + b)	251	27	179	457	307	27	180	514
a. UNDER MILITAR	Y CONTROL	118	0	53	171	118	0	53	171
(1) HOUSED IN E OWNED/COM		118	0	53	171	118	0	53	171
(2) UNDER CON	TRACT/APPROVED					0	0	0	Ō
(3) VACANT		0	0	0	ō				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSI	NG	133	27	126	286	189	27	127	343
(1) ACCEPTABLY	Y HOUSED	133	27	126	286				
(2) ACCEPTABLE	E VACANT RENTAL	0	0	0	0				
EFFECTIVE HOUSING	DEFICIT	0	14	45	59	0	14	45	59
PROPOSED PROJEC		a taran shiftingir ia i riya	A	200 - E-10 - S	Prince and the and the particular destruction				

Item 12.a.(1): 230 on-base units are inadequate.

1. COMPONENT		FY 200	3 MI	ITARY	CONST	RUCTIC		GRAM	2. DATE	
AIR FORCE		11200			001101					
INSTALLATION AND		ON		COMM				5 ARE		•
ELLSWORTH AIR FO						СОММА		COSTI		
SOUTH DAKOTA		UL,						0.91		
6. Personnel	DE			0					-	
		RMANENT						JPPORTE		
Strength	OFF	ENL	CIV	OFF		CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 01	345	2899	735	0	0	0	10			4,06
END FY 2005	341	2975	729	0	0	0	10	27	50	4,13
7. INVENTORY DAT	A (\$000)									
Total Acreage:		6,395								
Inventory Total as of	: (30 Sep	01)								460,67
Authorization Not Yet	in Invent	ory:								24,44
Authorization Reques	sted in this	s Program:								4,79
Authorization Include	d in the F	ollowing Pr	ogran	n:	(FY 200)4)				18,95
Planned in Next Thre			0		·	,				39,01
Remaining Deficiency		U								, -
Grand Total:										547,89
										011,00
8. PROJECTS REQU	IESTED						(FY 200	3)		
0. TROJECTO REQU							(1 1 200	5)		
CATEGORY								COST	DESIGN	OTATU
	PROJECT		!			SCOPE			START	
711-142	Replace	Family Hou	ising			22 UN		4,794	Jun-01	Jul-0
9a. Future Projects: I	ncluded i	n the Follo	wing	Progran	n: (FY20	004)				
711-142	Replace	Family Hou	ising			100 UN		18,957		
9b. Future Projects: 7	Typical Pl	anned Nex	t Thre	e Year	S:		(FY05-0	7)		
711-142	Replace	Family Hou	Ising			108 UN		19,334		
711-142	Replace	Family Hou	ising			98 UN		19,685		
		-	•							
9c. Real Propery Mai	ntenance	Backlog T	his In	stallatior	า					104,09
10. Mission or Major						s				
		s. A wing v		0013	quadron	5.				

					2. DATE
AIR FORCE	FY 2003 MILITARY CON	ISTRUC	TION PROJE	CT DATA	
3. INSTALLATION AND LOCATIO	ON	4	. PROJECT TITLE	E	
ELLSWORTH AIR FORCE			REPLACE FAM		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJI	ECT NUMBER	8. PROJECT	COST (\$000)
88741	711-142		BM994502B	4,	794
	9. COST	ES IMATE			
iτ	EM	U/M	QUANTITY	UNIT COST	COST (\$000)
MILITARY FAMILY HOUS			22	110,636	2,434
SUPPORTING FACILITIES		LS		- ,	1,885
SITE IMPROVEMENTS		LS			(196)
UTILITIES		LS			(222)
STREETS		LS			(178)
LANDSCAPING		LS			(193)
RECREATION		LS			(125)
DEMOLITION & ASBEST	OS REMOVAL	LS			(624)
GARAGES		LS			(347)
SUBTOTAL					4,319
CONTINGENCY (5%)					<u>216</u>
TOTAL CONTRACT COST					4,535
SUPERVISION INSPECTIO	N AND OVERHEAD (5.7%)				<u>259</u>
TOTAL REQUEST					4,794
	0.01				
AREA COST FACTOR	0.91				
	POSED CONSTRUCTION: R				
	systems and roads, design and				
Provides normal amenities to	include appliances garages na				c ·
				tios with privac	cy fencing,
	id recreation areas. Provides fi			uos with privac	cy fencing,
		re detecti	on.	-	
neighborhood playgrounds, an	d recreation areas. Provides fi	re detecti	on. Project Cost	Per No	(\$000)
		re detecti	on.	Per No	
neighborhood playgrounds, an <u>Paygrade</u> <u>Bedroom</u> .	d recreation areas. Provides find the MSE GSE GSE GSE GSE GSE GSE GSE GSE GSE G	re detecti	on. Project Cost Factor <u>GSM</u>	Per No <u>Units</u>	(\$000) <u>Total</u>
neighborhood playgrounds, an <u>Paygrade</u> <u>Bedroom</u> .	nd recreation areas. Provides fi <u>NSF GSF GS</u> 1,315 1,630 15	re detecti	on. Project Cost Factor <u>GSM</u>	Per No <u>Units</u>	(\$000) <u>Total</u>
neighborhood playgrounds, an <u>Pavgrade</u> <u>Bedroom</u> . EI-E6 <u>3</u> Maximum size: El -E6/3 Bedr	nd recreation areas. Provides fi <u>NSF GSF GS</u> 1,315 1,630 15 room (1420 NSF/1 760 GSF)	re detecti M J	on. Project Cost Factor <u>GSN</u> 1.001 732	Per No <u>Units</u> 22	(\$000) <u>Total</u> 2,434
neighborhood playgrounds, an <u>Paygrade</u> <u>Bedroom</u> . EI-E6 3	nd recreation areas. Provides fi <u>NSF GSF GS</u> 1,315 1,630 15 room (1420 NSF/1 760 GSF)	re detecti I M J	on. Project Cost Factor <u>GSM</u>	Per No <u>Units</u> 22	(\$000) <u>Total</u> 2,434
neighborhood playgrounds, an <u>Pavgrade</u> <u>Bedroom</u> . EI-E6 <u>3</u> Maximum size: El -E6/3 Bedr	NSF GSF GS 1,315 1,630 15 room (1420 NSF/1 760 GSF) N ADEQUATE: 1,100	re detecti <u>M J</u> 1) UN	on. Project Cost Factor <u>GSM</u> 1.001 732	Per No <u>Units</u> 22	(\$000) <u>Total</u> 2,434
neighborhood playgrounds, ar <u>Paygrade</u> <u>Bedroom</u> . El-E6 <u>3</u> Maximum size: El -E6/3 Bedr II. Requirement: 2,108 UN <u>PROJECT</u> : Replace-Military I	NSF GSF GS 1,315 1,630 15 room (1420 NSF/1 760 GSF) ADEQUATE: 1,10 Family Housing, Phase 2 (Cur	re detecti M J	on. Project Cost Factor <u>GSM</u> 1,001 732 SUBSTANDAR	Per No <u>Units</u> 22 D: 1,008 UN	(\$000) <u>Total</u> 2,434
neighborhood playgrounds, ar <u>Paygrade</u> <u>Bedroom.</u> <u>Bi-E6</u> <u>3</u> Maximum size: El -E6/3 Bedr II. Requirement: 2,108 UN <u>PROJECT</u> : Replace-Military I <u>REQUIREMENT</u> : This projec	NSF GSF GSF 1,315 1,630 15 room (1420 NSF/1 760 GSF) N ADEQUATE: 1,100 Family Housing, Phase 2 (Curtist is required to provide moden 1	re detecti <u>M</u> <u>J</u> D UN rent Missi and effic	on. Project Cost Factor GSM 1.001 732 SUBSTANDAR ion). cient housing for	Per No <u>Units</u> 22 D: 1,008 UN military memb	(\$000) <u>Total</u> 2,434
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neighborhood playgrounds, arPavgrade El-E6Bedroom. 3Maximum size:El -E6/3 BedrII. Requirement:2,108 URPROJECT:Replace-Military IRREQUIREMENT:This projectdependents stationed at Ellswordaccordance with the Housing Cliving environment comparableadequate housing for base per 'oom and bath configuration, the second station of the second station	NSF GSF GSF 1,315 1,630 15 room (1420 NSF/1 760 GSF) N ADEQUATE: 1,100 Family Housing, Phase 2 (Curtist is required to provide moden orth AFB. All units will meet formunity Plan. Replacement et to the off base civilian commissionel. The replacement housing with ample interior and exterior	re detecti <u>M</u> <u>J</u> D UN rent Missi and effic whole ho housing unity. Th ng will p r storage.	on. Project Cost Factor GSM 1.001 732 SUBSTANDAR ton). cient housing for use" standards at will provide a sa is is the second provide a modem A double car ga	Per No Units 22 D: 1,008 UN military memb nd are program ife, comfortable phase of an init kitchen, living rage will be pr	(\$000) <u>Total</u> 2,434 ers and their med in e, and appealing iative to provide room family ovided. The basic
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Paygrade El-E6 Bedroom. Maximum size: El -E6/3 Bedroom. Maximum size: El -E6/3 Bedroom. II. Requirement: 2,108 UN PROJECT: Replace-Military I REQUIREMENT: This projection dependents stationed at Ellsword accordance with the Housing for adequate housing for base per oom and bath configuration, for neighborhood support infrastr will include landscaping, plays	NSF GSF GSF 1,315 1,630 15 room (1420 NSF/1 760 GSF) N ADEQUATE: 1,100 Family Housing, Phase 2 (Curt t is required to provide moden orth AFB. All units will meet 'Community Plan. Replacement e to the off base civilian comm rsonnel. The replacement housi with ample interior and exterior ucture will be upgraded to me grounds, and recreation areas.	re detecti <u>M</u> <u>1</u> D UN rent Missi a and effic whole ho housing unity. Th ng will p r storage. et modem Proper dis	on. Project Cost Factor GSM 1.001 732 SUBSTANDAR tion). cient housing for use" standards at will provide a sa is is the second provide a modem A double car ga a housing needs. sposal of asbestor	Per No Units 22 D: 1,008 UN military memb dare program ife, comfortable obase of an init kitchen, living irage will be pr Neighborhood s and lead-base	(\$000) <u>Total</u> 2,434 eers and their med in e, and appealing iative to provide room family ovided. The basic enhancements d paint is
Paygrade Bedroom. EI-E6 3 Maximum size: EI -E6/3 Bedroom. II. Requirement: 2,108 UN PROJECT: Replace-Military I REQUIREMENT: This project dependents stationed at Ellsword accordance with the Housing I living environment comparable adequate housing for base per coom and bath configuration, neighborhood support infrastrivill include landscaping, plays	NSF GSF GSF 1,315 1,630 15 room (1420 NSF/1 760 GSF) N ADEQUATE: 1,100 Family Housing, Phase 2 (Curt t is required to provide moden orth AFB. All units will meet 'Community Plan. Replacement e to the off base civilian comm rsonnel. The replacement housi with ample interior and exterior ucture will be upgraded to me grounds, and recreation areas.	re detecti <u>M</u> <u>1</u> D UN rent Missi a and effic whole ho housing unity. Th ng will p r storage. et modem Proper dis	on. Project Cost Factor GSM 1.001 732 SUBSTANDAR tion). cient housing for use" standards at will provide a sa is is the second provide a modem A double car ga a housing needs. sposal of asbestor	Per No Units 22 D: 1,008 UN military memb dare program ife, comfortable obase of an init kitchen, living irage will be pr Neighborhood s and lead-base	(\$000) <u>Total</u> 2,434 eers and their med in e, and appealing iative to provide room family ovided. The basic enhancements d paint is

AIR FORCE

FY 2003 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION

ELLSWORTH AIR FORCE BASE, SOUTH DAKOTA

4. PROJECT TITLE

REPLACE FAMILY HOUSING, PHASE 2

	NUMBER

FXBM994502B

<u>CURRENT SITUATION</u>: This project replaces housing that was constructed in 1949- 1962. They have had no major upgrades or renovation since construction, and do not meet the needs of today's families, nor do they provide a modem home environment. Kitchens are undersized and do not provide adequate cabinet and countertop space. The bathrooms are small and in poor condition. Bathroom fixtures and lighting throughout the houses are outdated and energy inefficient. The exterior of these units lack landscaping and recreation space. There are no garages, and vehicles are subjected to extremely cold winters with no protection from the elements. There is inadequate exterior storage. There is no ground fault circuit interrupter protection as required by current National Electrical building codes. There is no air conditioning. Ellsworth includes neighborhoods as an investment in a quality of life initiative. This initiative is a commitment to the Air Force (AF) mission and an improved sense of community or social cohesion among AF personnel and their families.

<u>IMPACT IF NOT PROVIDED</u>: AF members and their families will continue to live in extremely outdated, unsuitable and unsatisfactory housing. This 38 to 5 1 year old housing will continue to deteriorate with age, resulting in increasing and unacceptable maintenance and repair costs, and extreme inconvenience to the occupants. Without this and subsequent phases of this initiative, repairs will continue in a costly, piecemeal fashion with little or no improvement in occupant quality of life. These deficiencies will continue to adversely affect the morale of all personnel assigned to Ellsworth AFB.

<u>ADDITIONAL</u>: This project meets the criteria/scope specified in AFI 32-6002 and Military Handbook 1190. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, the status quo operation was found to be the most cost efficient over the life of the project. However, this alternative is unacceptable because it does not repair the deteriorated structures and would force Air Force personnel to continue to live in inadequate housing. Since this is replacement housing there will be no increase in the student population or impact on the ability of the local school to support base dependents. The construction agent for this project is the Army Corps of Engineers resulting in 5.7% SIOH costs. Base Civil Engineer: Lt Col Richard (605) 385-2658.

1. COMPONENT			2. DATE
AIR FORCE	FY 2003 MILITARY CONSTRUC	TION PROJECT DATA	
. INSTALLATION AND LO	CATION		
ELLSWORTH AIR FOR	RCE BASE, SOUTH DAKOTA		
I. PROJECT TITLE		5. PROJECT NUMBI	ĒR
REPLACE FAMILY HO	DUSING, PHASE 2	FXBM9945	02B
12. SUPPLEMENTAL			
a. Estimated Design Data	1:		Design/Build
(1) Status:			
(a) Date Desig			01 Aug 20
	Cost Estimate used to develop costs mplete as of Jan 2002		N 35
(d) Date 35%			01 Dec 15
(e) Date Desig			02 May 10
	udy/Life-Cycle analysis was performed;		02 may 10
(2) Basis:	ejete analjois was performed,		
	Definitive Design -		NO
	gn was most recently used -		N/A
	= (a) + (b) or (d) + (e):		(\$220)
	of Plans and Specifications		220
(b) All other D	Design Costs		0 220
(c) Total			220
(d) Contract (e) In-house			220
(4) Construction Sta	art		03 Mar
(5) Construction Co	ompletion		04 Jun
b. Equipment associated	with this project will be provided from other	appropriations: N/A	
DD FORM 1391c, DEC		S MAY BE USED INTERNALL	_
AGE NO	UNTIL E.	XHAUSTED	339

MILITARY FAMILY HOUS	ING JUSTIFICATION 1. DATE	OF REPOR Sep-00	1		2. FISCAL 2003	_ YEAR	REPORT (DD-A&L(A	ONTROL S	YMBOL
3. DOD COMPONENT	4. REPORTING INSTALLATION				2003		DD-AGE(A	NJ 17 10	
AIR FORCE	a. NAME				b. LOCAT	ION			
5. DATA AS OF	ELLSWORTH AFB		Phase 2			SOUTH DA	KOTA		
Sep-00						•			
ANALYS	IS	CURR			TOTAL		ECTED		
OF REQUIREMENTS	AND ASSETS	OFFICER (a)	E9-E7 (b)	E6-E1 (c)	TOTAL (d)	OFFICER (e)	E9-E7 (f)	E6-E1 (g)	TOTA (h)
6. TOTAL PERSONNEL S		(u)	(0)	(0)	(u)	(6)	(1)	(9)	(1)
		395	283	2,591	3,269	376	285	2.631	3,292
7. PERMANENT PARTY F	PERSONNEL	395	283	2,591	3,269	376	285	2,631	3,292
8. GROSS FAMILY HOUS	ING REQUIREMENTS	295	263	1,595	2,153	273	265	1,610	2,148
9. TOTAL UNACCEPTABL	Y HOUSED (a + b + C)	0	0	22	22				
a. INVOLUNTARILY	SEPARATED	0	0	0	0				
b. IN MILITARY HOU					S. Drive				
DISPOSED/REPLA		Ó	Ö	22	22				
C. UNACCEPTABLE HOUSED IN COMMUNITY					D				
O. VOLUNTARY SEPARA	TIONS	0	- 0	Û					a 12 1 775.00
		4	7	29	40	4	7	29	. 40
• EFFECTIVE HOUSING	REQUIREMENTS	004			With March 19		050		2,108
12. HOUSING ASSETS (a	+ b)	291	256	1,566	_ 2,113	269	258	1. 551'	2,100
·	•	485	511	1,682	2,678	369	390	1,559	2,318
a. UNDER MILITARY	CONTROL	413	457	1,144	2,014	331	366	1, 003	1,703
(1) HOUSED IN E OWNED/CON		413	457	1,144	2,014	331	366	1.00 0	1.703
	IRACT/APPROVED					0	0	0	0
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSIN	G	72	54	538	664	38	24	553	615
(1) ACCEPTABLY	HOUSED	72	54	536	"664				
(2) ACCEPTAI3LE	VACANT RENTAL	0	0	0	0 1				
3. EFFECTIVE HOUSING	DEFICIT	(194)	(255)	(116)	(565)	(100)	(132)	22	(210)
4. PROPOSED PROJECT	,,	and the second			Contraction of the Contraction of the Contraction			22	22

Item 12.a.(1): 1008 on-base units are inadequate.

311 units are surplus and will be demolished when useful life expires.

232 additional units will be retained pending repair of Section 801 housing by owner.

3. INSTALLATION AND LOCATION 4. FROJECT TITLE ELLSWORTH AIR FORCE BASE, SOUTH DAKOTA HUUSING MAINTENANCE FACILITY 5. FROGRAM ELEMENT 6. CATEGORY CODE 7 PROJECT NUMBER 3. PROJECT COST (\$000) 88741 219-944 FXEDM064506 447 ITEM U/X UNIT COST JANDE OCUPRED STORAGE FACILITY SM 557 724 403 SUPPORTING FACILITIES UNIT COST JUPERVISION, INSPECTION AND OVERHEAD (5.5%) OTAL COST UNIT COST UNIT <td cols<="" th=""><th>1. COMPONENT AIR FORCE</th><th>N 1997 MILITARY Co (comput</th><th>ONSTRUCT</th><th></th><th>' DATA</th><th>2. DATE</th></td>	<th>1. COMPONENT AIR FORCE</th> <th>N 1997 MILITARY Co (comput</th> <th>ONSTRUCT</th> <th></th> <th>' DATA</th> <th>2. DATE</th>	1. COMPONENT AIR FORCE	N 1997 MILITARY Co (comput	ONSTRUCT		' DATA	2. DATE			
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000) 88741 219-944 FXBM964506 447 9. COST ESTIMATES ITEM U/M OUANTITY NUM ES UNIT COST STATES UNIT COST JUNT STATES UNIT OST STATES UNIT STATE UNIT STATE STATE EQUEST INTENDECTION AND OVERHEAD OTAL REQUEST OTAL REQUEST OTAL REQUEST INTENDES INTENDES OUTAL REQUEST INTENDES OTAL REQUEST INTENDES INTENDES OSTAT REQUEST INTENDES INTENDES INTENDES <td>3. INSTALLATION AND</td> <td></td> <td>. . .</td> <td></td> <td>TITLE</td> <td></td>	3. INSTALLATION AND		. . .		TITLE					
88741 219-944 FXBM964506 447 9. COST ESTIMATES UNIT COST ITEM U/M OUANTITY UNIT COST 3ASE COVERED STORAGE FACILITY SM 557 724 403 SUPPORTING FACILITIES U/M OUANTITY 0 SUETOTAL 403 20 0 CONTINGENCY (5%) 20 20 20 TOTAL CONTRACT COST 423 20 20 IOTAL CONTRACT COST 447 447 WEA COST FACTOR .95 23 IO. Description of Proposed Construction: Construct single story masonry structure rith low maintenance exterior finish. Includes heating, ventilation, fire protection, fite improvements and extention and connection of utilities. 11. REQUIREMENT: ADEQUATE: SUESTANDARD: 'ROMECT: CONTRACT: Maintenance ef all housing units. IEQUIREMENT: The responsibility of maintaining all base housing to include leased lousing belongs to a private contractor. The facility meeds to provide an invironmentally controlled storage space and related operating space for the supplies und material the contractor uses day-to- day operating, and maitaining the base housing issets. URACT IF NOT PROVIDED: The maintenance con	ELLSWORTH AIR FORCE	BASE, SOUTH DAKOTA		HOUSING MA	INTENANCE FA	CILITY				
9. COST ESTIMATES ITEM U/M OUANTITY UNIT COST ITEM U/M OUANTITY UNIT COST SASE COVERED STORAGE FACILITY SM 557 724 403 SUPFORTING FACILITIES OUANTITY UNIT COST SUPTOTAL 403 CONTINGENCY (5%) 20 COST FACTOR 423 COST FACTOR 95 24 447 REQUEST 447 REQUEST APEQUATE: 20 ID. Description of Proposed Construction: Construct single story masonry structure rith low maintenance exterior finish. Includes heating, ventilation, fire protection, site improvements and extention and connection of utilities. 11. REQUIREMENT: SUBSTANDARD: 'NOECT: Construct a 557 SM maintenance facility/warehouse for the housing contractor REQUIREMENT: <th <="" colspan="2" td=""><td>5. PROGRAM ELEMENT</td><td>6. CATEGORY CODE 7</td><td>. PROJE</td><td>CT NUMBER</td><td>8. PROJEC</td><td>r cost (\$000)</td></th>	<td>5. PROGRAM ELEMENT</td> <td>6. CATEGORY CODE 7</td> <td>. PROJE</td> <td>CT NUMBER</td> <td>8. PROJEC</td> <td>r cost (\$000)</td>		5. PROGRAM ELEMENT	6. CATEGORY CODE 7	. PROJE	CT NUMBER	8. PROJEC	r cost (\$000)		
ITEM U/M OUNTITY UNIT COST BASE COVERED STORAGE FACILITY SM 557 724 403 SUPPORTING FACILITIES SM 557 724 403 SUPTOTAL 403 20 6 SUBTOTAL 403 20 6 CONTINGENCY (5%) 20 20 423 SUPERVISION, INSPECTION AND OVERHEAD (5.5%) 23 23 TOTAL REQUEST .95 447 447 REA COST FACTOR .95 .95 447 IO. Description of Proposed Construction: Construct single story masonry structure rith low maintenance exterior finish. Includes heating, ventilation, fire protection, fite improvements and extention and connection of utilities. 11. 11. REQUIREMENT: ADEQUATE: SUBSTANDARD: 'ROJECT: Construct a 557 SM maintenance facility/warehouse for the housing contractor responsible for the daily maintenance of all housing units. IEQUIREMENT: IEQUIREMENT: The responsibility of maintaining all base housing to include leased lousing belongs to a private contractor. The facility needs to provide an invironmentally controlled storage space and related operating space for the supplies ind material the contractor	88741	219-944	FXB	M964506		447				
ITEM U/M OUANTITY BASE COVERED STORAGE FACILITY SM 557 724 403 SUPFORTING FACILITIES 0 0 SUBTOTAL 403 CONTINGENCY (5%) 20 FOTAL CONTRACT COST 423 SUPERVISION, INSPECTION AND OVERHEAD (5.5%) 23 COTAL REQUEST 447 REA COST FACTOR .95 10. Description of Proposed Construction: Construct single story masonry structure rith low maintenance exterior finish. Includes heating, ventilation, fire protection, fite improvements and extention and connection of utilities. 11. REQUIREMENT: ADEQUATE: 'ROJECT: COnstruct a 557 SM maintenance facility/warehouse for the housing contractor responsible for the daily maintenance of all housing units. 'EQUIREMENT: The responsibility of maintaining all base housing to include leased lousing belongs to a private contractor. The facility needs to provide an invironmentally controlled storage space and related operating space for the supplies and material the contractor uses day-to- day operating, and maitaining the base housing space for the supplies ind material the contractor uses day-to- day operating, and maitaining the base housing space for the supplies indiction in. 'MPACT IF NOT PROVIDED: The maintenance contractor will be forced to continue to perate in dispersed facilities. One building, built in "53" is very near the end of its useful life and is not suited for the forced present use. The potential to reduce pereating cocts, reduce travel time, and increase interaction with t		<u>9. cost e</u>	STIMATES	1						
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TOTAL CONTRACT COST 423 SUPERVISION, INSPECTION AND OVERHEAD (5.5%) 423 TOTAL REQUEST 447 NREA COST FACTOR .95 10. Description of Proposed Construction: Construct single story masonry structure rith low maintenance exterior finish. Includes heating, ventilation, fire protection, site improvements and extention and connection of utilities. 11. REQUIREMENT: ADEQUATE: 'ROJECT: Construct a 557 SM maintenance facility/warehouse for the housing contractor responsible for the daily maintenance of all housing units. IEQUIREMENT: The responsibility of maintaining all base housing to include leased lousing belongs to a private contractor. The facility needs to provide an invironmentally controlled storage space and related operating space for the supplies and material the contractor uses day-to- day operating, and maitaining the base housing usets. UTERENT SITUATION: Currently there is no adquate space nor facility to locate this function in. IMPACT IF NOT PROVIDED: The maintenance contractor will be forced to continue to operate in dispersed facilities. One building, built in "53" is very near the end of its useful life and is not suited for the forced present use. The potential to reduce operating costs, reduce travel time, and increase interaction with the housing occupanta rill not be realized.	SUBTOTAL					403				
SUPERVISION, INSPECTION AND OVERHEAD (5.5%) 23 COTAL REQUEST 447 NREA COST FACTOR .95 447 10. Description of Proposed Construction: Construct single story masonry structure rith low maintenance exterior finish. Includes heating, ventilation, fire protection, site improvements and extention and connection of utilities. 11. 11. REQUIREMENT: ADEQUATE: SUBSTANDARD: 'ROJECT: Construct a 557 SM maintenance facility/warehouse for the housing contractor responsible for the daily maintenance of all housing units. EQUIREMENT: 'ROUREMENT: The responsibility of maintaining all base housing to include leased lousing belongs to a private contractor. The facility needs to provide an invironmentally controlled storage space and related operating space for the supplies ind material the contractor uses day-to- day operating, and maitaining the base housing issets. URRENT SITUATION: Currently there is no adquate space nor facility to locate this iunction in. MPACT IF NOT PROVIDED: The maintenance contractor will be forced to continue to operate in dispersed facilities. One building, built in "53" is very near the end of ts useful life and is not suited for the forced present use. The potential to reduce iperating costs, reduce travel time, and increase interaction with the housing occupanta rill not be realized.	CONTINGENCY (5%)					20				
TOTAL REQUEST .95 .447 IREA COST FACTOR .95 .95 .447 IO. Description of Proposed Construction: Construct single story masonry structure rith low maintenance exterior finish. Includes heating, ventilation, fire protection, site improvements and extention and connection of utilities. .11. REQUIREMENT: ADEQUATE: SUBSTANDARD: 'ROJECT: Construct a 557 SM maintenance facility/warehouse for the housing contractor responsible for the daily maintenance of all housing units.	FOTAL CONTRACT COST		ſ		F	423				
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 10. Description of Proposed Construction: Construct single story masonry structure rith low maintenance exterior finish. Includes heating, ventilation, fire protection, site improvements and extention and connection of utilities. 11. REQUIREMENT: ADEQUATE: SUBSTANDARD: <u>'ROJECT:</u> Construct a 557 SM maintenance facility/warehouse for the housing contractor responsible for the daily maintenance of all housing units. <u>'EQUIREMENT:</u> The responsibility of maintaining all base housing to include leased lousing belongs to a private contractor. The facility needs to provide an invironmentally controlled storage space and related operating space for the supplies ind material the contractor uses day-to- day operating, and maitaining the base housing usests. <u>URRENT SITUATION:</u> Currently there is no adquate space nor facility to locate this function in. <u>IMPACT IF NOT PROVIDED:</u> The maintenance contractor will be forced to continue to sperate in dispersed facilities. One building, built in "53" is very near the end of ts useful life and is not suited for the forced present use. The potential to reduce sperating costs, reduce travel time, and increase interaction with the housing occupanta rill not be realized. 	-					447				
rith low maintenance exterior finish. Includes heating, ventilation, fire protection, site improvements and extention and connection of utilities. 11. REQUIREMENT: ADEQUATE: SUBSTANDARD: 'ROJECT: Construct a 557 SM maintenance facility/warehouse for the housing contractor responsible for the daily maintenance of all housing units. <u>IEQUIREMENT:</u> The responsibility of maintaining all base housing to include leased lousing belongs to a private contractor. The facility needs to provide an invironmentally controlled storage space and related operating space for the supplies ind material the contractor uses day-to- day operating, and maitaining the base housing ussets. <u>URRENT SITUATION:</u> Currently there is no adquate space nor facility to locate this iunction in. <u>MPACT IF NOT PROVIDED:</u> The maintenance contractor will be forced to continue to perate in dispersed facilities. One building, built in "53" is very near the end of its useful life and is not suited for the forced present use. The potential to reduce perating costs, reduce travel time, and increase interaction with the housing occupanta rill not be realized.										
'ROJECT: Construct a 557 SM maintenance facility/warehouse for the housing contractor responsible for the daily maintenance of all housing units. 'EQUIREMENT: The responsibility of maintaining all base housing to include leased lousing belongs to a private contractor. The facility needs to provide an invironmentally controlled storage space and related operating space for the supplies ind material the contractor uses day-to- day operating, and maitaining the base housing issets. 'URRENT SITUATION: Currently there is no adquate space nor facility to locate this function in. 'MPACT IF NOT PROVIDED: The maintenance contractor will be forced to continue to 'perate in dispersed facilities. One building, built in "53" is very near the end of its useful life and is not suited for the forced present use. The potential to reduce 'perating costs, reduce travel time, and increase interaction with the housing occupanta rill not be realized.	rith low maintenance exterior finish. Includes heating, ventilation, fire protection,									
'ROJECT: Construct a 557 SM maintenance facility/warehouse for the housing contractor responsible for the daily maintenance of all housing units. 'EQUIREMENT: The responsibility of maintaining all base housing to include leased lousing belongs to a private contractor. The facility needs to provide an invironmentally controlled storage space and related operating space for the supplies ind material the contractor uses day-to- day operating, and maitaining the base housing issets. 'URRENT SITUATION: Currently there is no adquate space nor facility to locate this function in. 'MPACT IF NOT PROVIDED: The maintenance contractor will be forced to continue to 'perate in dispersed facilities. One building, built in "53" is very near the end of its useful life and is not suited for the forced present use. The potential to reduce 'perating costs, reduce travel time, and increase interaction with the housing occupanta rill not be realized.										
perating costs, reduce travel time, and increase interaction with the housing occupanta rill not be realized.	responsible for the <u>EQUIREMENT</u> : The re lousing belongs to a invironmentally cont ind material the con issets. <u>TURENT SITUATION</u> : iunction in. <u>MPACT IF NOT PROVIDE</u> perate in dispersed	daily maintenance of all sponsibility of maintai private contractor. S rolled storage space an tractor uses day-to- da Currently there is no a <u>ED:</u> The maintenance co facilities. One build	Il housin ining all The faci ad relate ay operat adquate ontractor ding, bu:	ng units. I base hous: lity needs t ed operating ting, and ma space nor fa c will be fo ilt in "53"	ing to inclu to provide a g space for aitaining th acility to l prced to con is very near	de leased n the supplies e base housing ocate this tinue to r the end of				
SDITIONAL: Base Civil Engineer, Lt Col Allen J Benefield, (605)385-2661	perating costs, red rill not be realized.	uce travel time, and in	ncrease	interaction	with the how	using occupanta				
	DUILIONAL: Dase CI	VII ENGINEEL, EL COLA	- I CH U B	enerrerd, (,					

Page No.

2. DATE

AIR FORCE	FY 2003 MILITARY CONSTRUCTION PR	OJECT DATA	
3. INSTALLATION AND LO	CATION	L	
ELLSWORTH AFB, SC	UTH DAKOTA		
4. PROJECT TITLE		5. PROJECT NUMBER	
HOUSING MAINTENA		FXBM964506	
12. SUPPLEMENTAL 1 a. Estimated Design Data		De	esign/Build
-			JSIgn/ Dund
(1) Status:	n Startad		01 Aug 20
(a) Date Desig (b) Parametric	Cost Estimate used to develop costs		01 Aug 20 N
	mplete as of Jan 2002		35
(d) Date 35%			01 Dec 15
(e) Date Desig			02 May 10
	dy/Life-Cycle analysis was performed;		
(2) Basis: (a) Standard or	Definitive Design -		NO
	n was most recently used -		N/A
	(a)+(b) or (d)+(e): of Plans and Specifications besign Costs		(\$50) 50 0 50 50
(4) Construction Sta	rt		03 Mar
(5) Construction Co	mpletion		04 Jun
5. Equipment associated	with this project will be provided from other appropriati	ons: N/A	

		FY 20	003 MI	LITARY	CONST	RUCTIO	ON PRO	GRAM	2. DATE	
AIR FORCE										
DYESS AIR FORCE		JN						5. AREA CONST COST INDEX		
DTESS AIR FORCE	, IEAAS					COMMA	AIND	0.98	NDEX	
3. Personnel	DEE	RMANE	NT	<u> </u>	TUDEN	rs	<u>SI</u>	PPORTE	D	
Strength	OFF	ENL	CIV	OFF			OFF	-		TOTAL
AS OF 30 SEP 01	674	4296		011		CIV	13			5, 75 7
END FY 2005	674	4463					13			5,919
7. INVENTORY DAT		4403	000				10	27	02	0,010
Total Acreage:	(++++++)	6,342								
nventory Total as of	: (30 Sep									333,1713
Authorization Not Yet	• •	,								28,654
Authorization Reques	sted in this	Progra	m:							14,824
Authorization Include	d in the F	ollowing	Progra	am:	(FY 200	04)				15,10 1
Planned in Next Thre		rogram								31,424 4
Remaining Deficiency	/:									ß
3rand Total:										423,176
	-									
3. PROJECTS REQ	JESTED I	N THIS	PROG	RAM:			(FY 200	,		
CATEGORY		·				00005				STATUS
	PROJECT					<u>SCOPE</u> 85 UN			TART	
ʻl 1-142	Replace F	-amily r	lousing			NU CO		14,024	Jun-01	Jul-02
)a. Future Projects: I	ncluded ir	the Fo	llowing	n Progra	am		(FY 2004	4)		
-	Replace F		-			124 UN	(15,101		
			Ū							
)b. Future Projects:	Typical Pla	anned N	lext Th	ree Yea	ars:		(FY05-0	7)		
'11-142	Replace F	Family F	lousing			119 UN		15,402		
'11-142	Replace F	Family H	lousing			85 UN		16,022		
										74.050
C. Real Propery Mai						<u> </u>				71,856
10. Mission or Majo						r squadr	ons, one	of which	is respon	sible for
raining all B-I aircrev	is, and two	0 C-1 30	amints	squadro	ns.					
	1.00									

)D Form 1390, 24 Jul 00

-

1. COMPONENT									2. DATE	
AIR FORCE	F	Y 2003 N	MILITARY	CONS	STRUG	CTION	PROJE	CT DATA		
3. INSTALLATION AND LOO	CATION						CT TITLE		-!	
DYESS AIR FORCE BA	SE, T	EXAS				REPLAC	E FAMIL	Y HOUSING	PHASE III	
5. PROGRAM ELEMENT		6. CATEG	ORY CODE	7	. PROJ	ECT NUN	IBER	8. PROJECT	CT COST (\$000)	
8874 1		-	711-142		FNWZ033003R2			14	14,824	
			9. C	OST ES	TIMATE				0007	
	ITEN				U/M	QUAN		UNIT COST	COST (\$000)	
MILITARY FAMILY H SUPPORTING FACILIT		١G			UN LS	8	5	104,341	8,869	
SITE IMPROVEMENT					LS LS				4,488	
UTILITIES					LS				(246) (953)	
STREETS					LS				(1,629)	
LANDSCAPING					LS				(473)	
RECREATION					LS				(423)	
DEMOLITION & ASB	ESTO	S REMOV	'AL		LS				<u>(764)</u>	
SUBTOTAL									13,357	
CONTINGENCY (5%)	NGT								<u>668</u>	
TOTAL CONTRACT CO SUPERVISION INSPEC				70()					14,025	
TOTAL REQUEST	TION	ANDOVE	ERHEAD (3.	1%)					<u>799</u> 14,824	
IOTAL REQUEST									14,824	
4REA COST FACTOR		0.98								
10. DESCRIPTION OF P	ROPC	SED CON	ISTRUCTIO	N: Repl	lace 85	single a	nd multipl	lex family hou	sing units with	
all necessary amenities in										
single car garages, air cor										
treas, and landscaping. In	cludes	demolition	n of 85 units	, site de	emolitio	on and as	sbestos rer	noval.		
		NOF	005	0014		Project	Cost F		(\$000)	
Pavarade Bedroo EI-E6 2	m	<u>NSF</u> 1,081	<u>GSF</u> 1,340	<u>GSM</u> 124	<u>!</u>	Factor 1.019	<u>GSM</u> 732	<u>Units</u> 35	<u>Total</u> 3,237	
EI-E6 2 EI-E6 3		1,315	1,630	124		1.019	732	<u>50</u>	5,632	
		1,010	1,000				102	85	8,869	
									-,	
Maximum size: E1-E6/3	Bedroo	om (1420 N	NSF/1 760 GS	SF), El -	-E6/4 E	Bedroom	(1790 NSI	F/2220 GSF)		
-	89 UN		ADEQUATE				STANDA	RD: 819 UN	4	
'ROJECT: Replace-Milita										
EQUIREMENT : This pr		-	-				-	•		
lependents stationed at D										
vith the Housing Commu										
nvironment comparable				•					-	
amily room bedroom and										
ange from two to four, as										
ar garage and exterior parage										
roads, recreation areas, un nits at Dyess AFB. Singl						use mitia	uve to rep	nace all substa	nuaru nousing	
mis at Dyess APD. Sillgi		subic car g	anages will t		ucu.					

AIR FORCE

FY 2003 MILITARY CONSTRUCTION PROJECT DATA

3. INSTALLATION AND LOCATION

DYESS AIR FORCE BASE. TEXAS

4. PROJECT TITLE

REPLACE FAMILY HOUSING, PHASE III

5.	PROJECT	NUMBER

FNWZ 033003R2 CURRENT SITUATION: Existing family housing units were constructed in 1957. They show the effects of age and

heavy use. These units have had no comprehensive upgrade program since construction, and they do not meet the needs of today's military families, nor do they provide a modem home environment. Budget constrainsts have limited Dyess AFB's ability to maintain and repair these housing units to minimally acceptable occupancy standards.

Interiors are generally inadequate by modem criteria. The existing jalousie windows are those originally installed when the housing units were constructed. These windows are difficult to open, are drafty, and latches or cranks are frequently broken. Addition of storm windows 25 years ago makes windows even more difficult to open, and results in unnecessary heating and air conditioning costs in the spring and fall, as well as reduced indoor air quality. These Capehart units were constructed with one bathroom which is small and lacks adequate closet space. Kitchens have insufficient cabinets, storage and counter space.

Lighting, heating and air-conditioning systems require upgrade and replacement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency and safety. Original aged electrical wiring is causing increased faults and potential for fire and safety problems. The existing under-slab piping systems are old and deteriorated. Frequency of leaking pipes under the concrete floor slab is increasing.

Roof, wall, foundations, and exterior pavements require major repair or replacement due to age. Severe summer heat, extreme winter freezing ice and snow storms, routine high winds and dust storms, frequent turbulent hail/thunderstorms, occasional tornadoes and highly expansive clay soil conditions, have an adverse aging effect on the units. IMPACT IF NOT PROVIDED: Dyess will continue to spend scarce MFH maintenance and repair dollars on trying to extend the life of these substandard family housing units. Military personnel and their dependents must be required to occupy inadequate housing. The effect of living in a poor housing environment will be detrimental to morale and welfare of the military and family members.

ADDITIONAL: A rate of 5.7% has been used for supervision, inspection, and overhead for using the Army Corps of Engineers. This project meets the criteria/scope specified in Part II of Military Handbook 1190, Facility Planning and Design Guide. The local school authority indicates a capability exists to accept the increase in the student population generated by this project. No additional school construction will be required. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, the replacement was found to be the most cost efficient over the life of the project. Commander, 7th Civil Engineer Squadron: Lt Col Dennis Yates, (915) 696-2250.

2. DATE

	FY 2003 MILITARY CONSTRUCTION		
INSTALLATION AND LO	CATION		
YESS AIR FORCE BA	ASE, TEXAS	5. PROJECT NUMB	
PROJECT TITLE		5. PROJECT NUMB	ER
EPLACE FAMILY HO	OUSING, PHASE III	FNWZ 033	003R2
2. SUPPLEMENTAL			
Estimated Design Data	a:		Design/Build
(1) Status:			
(a) Date Desig			01 Aug 20
	c Cost Estimate used to develop costs		N 25
	omplete as of Jan 2002		35 01 Dec 15
(d) Date 35%			
(e) Date Desig	udy/Life-Cycle analysis was performed;		02 May 10
(1) Energy St (2) Basis:	ady/Ene-Cycle analysis was periorined,		
	Definitive Design -		NO
	gn was most recently used -		N/A
			(0.00)
	= (a) + (b) or (d) + (e):		(\$860)
	n of Plans and Specifications		86(
(b) All other I (c) Total	Jesign Costs		860
(d) Contract			860
(e) In-house			000
(4) Construction St	art		03Mar
(5) Construction Co	ompletion		04Jun
Equipment associated	with this project will be provided from other ap	ppropriations: N/A	
Equipment associated	with this project will be provided from other ap	opropriations: N/A	
Equipment associated	with this project will be provided from other ap	opropriations: N/A	
Equipment associated	with this project will be provided from other ap	opropriations: N/A	
Equipment associated	with this project will be provided from other ap	opropriations: N/A	
Equipment associated	with this project will be provided from other ap	opropriations: N/A	
Equipment associated	with this project will be provided from other ap	opropriations: N/A	
Equipment associated	with this project will be provided from other ap	opropriations: N/A	
Equipment associated	with this project will be provided from other ap	opropriations: N/A	

MILITARY FAMILY HOUSIN		July-00				YEAR	REPORT CONTROL SYMBOL DD-A&L(AR)1716		
3. DOD COMPONENT	4. REPORTING INST.	ALLATION							
AIR FORCE	a. NAME	_			b. LOCAT	b. LOCATION			
5. DATA AS OF	DYESS AF	В	Phase 3			TEXAS			
2000 ANALYSIS	2	CURR	ENT			DPO I	ECTED		
OF	,	OFFICER	E9-E7	E6-E1	TOTAL	OFFICER	E9-E7	E6-E1	TOTAL
REQUIREMENTS	ND ASSETS	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
6. TOTAL PERSONNEL ST	5. TOTAL PERSONNEL STRENGTH			3,666	4,737	662	418	3,845	4,925
7. PERMANENT PARTY PE	685	386	3,666	4,737	662	418	3,845	4,925	
8. GROSS FAMILY HOUSI	419	279	1,740	2,438	402	302	1,822	2,526	
9. TOTAL UNACCEPTABL		0	85	85				1, , 	
a. INVOLUNTARILY S	EPARATED	0	0	0	0				
b. IN MILITARY HOUS	ING TO BE		-		<u> </u>				
DISPOSED/REPLA		0	0	85	85				
	IOUSED IN COMMUNIT	Υ 0	0	0	0				
IO. VOLUNTARY SEPARAT	IONS	5	5	26	36	5	5	27	37
11. EFFECTIVE HOUSING F	REQUIREMENTS	414	274	1,714	2,402	397	297	1,795	2,489
12. HOUSING ASSETS (a +	b)	414	274	1,629	2,317	397	297	1,710	2,404
a. UNDER MILITARY	CONTROL	166	110	1,033	1,309	166	110	1,033	1,309
(1) HOUSED IN EX OWNED/CONT	ROLLED	166	110	1,033	1,309	166	110	1,033	1,309
(2) UNDER CONTR	RACT/APPROVED					0	0	0	0
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSING		248	164	596	1,008	231	187	677	1,095
(1) ACCEPTABLY	HOUSED	248	164	596	1,008 - 2				
(2) ACCEPTABLE \	ACANT RENTAL	0	0	0	0				
3. EFFECTIVE HOUSING E	DEFICIT	0	0	85	85	0	0	85	85
4. PROPOSED PROJECT						0	0	85	85

Item 12.a.(1): 819 on base units are inadequate.

1. COMPONENT		FY 200	3 MIL	ITARY C	CONST	RUCTION	N PROC	GRAM	2. DATE	
AIR FORCE									1	
INSTALLATION AND	LOCATI	ON		COMM	AND:			5. AREA	CONST	
RANDOLPH AIR FOR	RCE BAS	έE,		AIR ED	UCATIO	ON AND		COST IN	NDEX	
1/EXAS				TRAINI	NG CO	MMAND		0.82		
6. Personnel	PE	RMANENT	-				SU	PPORTE	D	
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL-
AS OF 30 SEP 01	1431	2521	4331	155			189	32	7	8,666
END FY 2005	1436	2470	4273	280			189	32	7	8,68 7
i'. INVENTORY DAT	A (\$000)									
ffotal Acreage:		3,129								
Inventory Total as of	· ·	,								218,8519
Authorization Not Yet		•								0
Authorization Reques										14,31 1
Authorization Included			rogram	1:	(FY 200	04)				D
Planned in Next Three		Program:								O
Remaining Deficiency	:									0
Grand Total:										233,176
								- `		
8. PROJECTS REQU	JESTED	IN THIS P	ROGR	AM:			(FY 200		DEOLONI	
CATEGORY						00005				STATUE
	PROJECT					SCOPE			TART	
7 'I I-142	Replace	Family Ho	using			112 UN		14,311	Jun-01	Jul-0:2
0- Eutoma Dasia eta d					Nerre					
9a. Future Projects: In	nciuded i	n the Folic	wing F	rogram:	None					
9lb. Future Projects: 7	Europeal DI	opped No	vt Thro	o Vooro		None				
SID. FULLIE FIOJECIS.	i ypicai Fi		xt me		•	None				
9 c. Real Propery Mai	ntenance	Backlog 1	his Ins	tallation						69,47 3
10. Mission or Major I					tion an	d Trainin	a Comm	and a fly	vina traini	
wing which conducts r										
the AF Services Agen										
and an AMC airlift flig		•	Recit		ivice, u		inpower			ter,
	n operau	ng 0-213.								
DD Form 1390, 24 Jul										

1. COMPONENT						2. DATE
AIR FORCE	FY 2003 MI	LITARY CON	STRUC	TION PROJ	ECT DATA	
3. INSTALLATION AND LOC	ATION			I. PROJECT TITL		
]	REPLACE FAM	IILY HOUSING	G PHASE 1
RANDOLPH AIR FORC 5. PROGRAM ELEMENT	E BASE, TEXAS			ECT NUMBER		COST (\$000)
5. PROGRAM ELEMENT	6. CATEGOR	TCODE	I. FROJ	EGT NUMBER		
88741	71	1-142	ТҮ	TYMX03400 1A 14		4,311
		9. COST E	STIMATE			
	ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
MILITARY FAMILY H			UN	112	90,643	10,152
SUPPORTING FACILIT			LS			2,742
SITE IMPROVEMENT	S		LS			(325)
UTILITIES STREETS			LS LS			(1,523)
DEMOLITION & ASB	ESTOS REMOVA	T				(394)
SUBTOTAL	ESTOS REMOVA	L	LS			<u>(500)</u> 12,894
CONTINGENCY (5%)						<u>645</u>
TOTAL CONTRACT CO	DST					13,539
SUPERVISION INSPEC	TION AND OVER	HEAD (5.7%)				772
TOTAL REQUEST						14,311
AREA COST FACTOR	0.82					
10. DESCRIPTION OF F		TRUCTION · Re	nlace 56	duplex (112 tot	al units) with al	1 necessary
amenities and supporting						
preparation, attached car g						
recreation areas, and all la	indscaping.		-			
Doverado Bodros				Project Cost		(\$000) Total
Paygrade Bedroo EI-E6 3		GSF GSM 1,630 151		F <u>actor GSI</u> 0.820 732		10,152
v	1,010	1,000				
Maximum size: E1-E6/3 H	Bedroom (1420 NS)	F/1760 GSF)				
11. Requirement: 2,860	••••	QUATE: 1,841			RD: 1,019 UN	
PROJECT: Replace-Milita					· · · · · · · · · · · · · · · · · · ·	1 1
REQUIREMENT: This pu	· ·	*			U U	•
their dependants stationed accordance with the Hous						
environment comparable t						
bedroom and bath configu						
exterior parking. Adequate						8
CURRENT SITUATION:						es are well below
current AF square footage	standards and vary	from 800-1033	net squa	are feet per fami	ly. Depending o	on the ages of the
children, up to 6 people an						
floors, as well as sharing		tribute to a large	e amount	of noise compla	unts each week.	Patio areas are
small and storage is very l	imited.					

AIR FORCE

FY 2003 MILITARY CONSTRUCTION PROJECT DATA

Z. DATE

3. INSTALLATION AND LOCATION

RANDOLPH AIR FORCE BASE, TEXAS

4. PROJECT TITLE

REPLACE FAMILY HOUSING, PHASE 1

5. PROJECT NUMBER

TYMX034001A

IMPACT IF NOT PROVIDED: Morale in the junior enlisted ranks will continue to decrease due to insufficient housing. Families will be forced to move off base, incurring higher out-of-pocket costs. On-base housing will continues to deteriorate and remain substandard.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternative of new construction, acquisition and status quo operation. The cost to improve the housing units is 72% of the replacement cost. No school construction will be required since this is a replacement project. The construction agent for this project is the Army Corps of Engineers resulting in 5.7% SIOH. Base Civil Engineer: Lt Col Leonard Patrick, (210)652-2401.

1. COMPONENT			2. DATE	
	FY 2003 MILITARY CONSTRUCTION PR	OJECT DATA		
AIR FORCE				
3. INSTALLATION AND LO	CATION			
RANDOLPH AIR FORG	CE BASE, TEXAS			
4. PROJECT TITLE	· · · · · · · · · · · · · · · · · · ·	5. PROJECT NUMBER		
		TYMX034001A		
REPLACE FAMILY HO		1111/1/03400	IA	
a. Estimated Design Data		D	esign/Build	
			-	
(1) Status:			01 Arra 10	
(a) Date Desig	Cost Estimate used to develop costs		01 Aug 10 N	
	mplete as of Jan 2002		35	
(d) Date 35%	Designed		01 Dec 10	
(e) Date Desig			02 May 10	
	udy/Life-Cycle analysis was performed;		,	
(2) Basis:				
	Definitive Design -		NO	
(b) Where desig	n was most recently used -		N/A	
(2) Total Cost (c)	$-(a) + (b) \operatorname{or}(d) + (c)$		(\$570)	
	(a) + (b) or $(d) + (e)$: of Plans and Specifications		(\$370) 570	
(b) All other D			0	
(c) Total	Nonghi Costo		570	
(d) Contract			570	
(e) In-house				
			0014	
(4) Construction Sta	urt		03Mar	
(5) Construction Co	mpletion		04Jun	
b. Equipment associated	with this project will be provided from other appropriat	ions: N/A		

MILITARY FAMILY HOUS	ING JUSTIFICATION	1. DATE OF REPORT Ott-00			2. FISCAL	L YEAR	REPORT C		SYMBOL
3. DOD COMPONENT	4. REPORTING INST								
AIR FORCE	a. NAME				b. LOCATION				
5. DATA AS OF	RANDOLP	Ч				TEXAS			
2000									
ANALYS	SIS	CURR					ECTED		
OF	AND ACCETS	OFFICER:	E9-E7	E6-E1		OFFICER		E6-E1	TOTA
REQUIREMENTS 6. TOTAL PERSONNEL S		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
	JINENGIN	1,379	775	1.236	3,390	1,439	632	1,680	3,951
7. PERMANENT PARTY I	HERSONNEL	1.376	775	1.236	3.390	144339	632	1.680	3.951
B. GROSS FAMILY HOUS	ING REQUIREMENTS	1,374		1,200	3,330	17-603	0.52	1,000	3,331
	1,098	646	817	2,561	1,144	693	1,074	2,911	
9. TOTAL UNACCEPTAB	LY HOUSED (a + b + c)								
		· · · · 0	0	112	112				
a. INVOLUNTARILY	SEPARATED	o	0	0	0				
b. IN MILITARY HOU	JSING TO BE		· · · · ·	· · · · ·					
DISPOSED/REPL		O	0	112	112				
C. UNACCEPTABLE	HOUSED IN COMMUNI	TY O	0	0	0				
0. VOLUNTARY SEPARA	TIONS	22	11	5	38	23	13	15	
1. EFFECTIVE HOUSING	REQUIREMENTS		11 1	.		2 3	13	19	51
		1,076	635	812	2,523	1,121	680	1,059	2,860
2. HOUSING ASSETS (a	+ b)	1,076	635	700	2,411	1,121	680	a47	2,748
a. UNDER MILITARY	CONTROL	218	142	a47	907	218	142	547	907
(1) HOUSED IN E OWNED/CON		218	142	547	907	218	142	547	907
	RACT/APPROVED					0	0	0	0
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSIN	IG	858	493	153	1.504	903	538	400	1,841
(1) ACCEPTABLY	HOUSED	656	493	153	1,604				
(2) ACCEPTABL	EVACANTRENTAL	0	0	0	0				
3. EFFECTIVE HOUSING	DEFICIT	Ő	, O ST	112	112	0	0	112	112
4. PROPOSED PROJECT	•		a			0	0		112

Item 12.a.(1): 1019 on-base units are inadequate.

1. COMPONENT		FY 2003 MILITARY C	ONSTRUC	TION PROJEC	T DATA	2. DATE
AIR FORCE		(comput	er gene	rated)		
3. INSTALLATION	AND	LOCATION		4. PROJECT	T TITLE	
RANDOLPH AIR FO	RCE B	ASE, TEXAS		MPH HOUSIN	IG MAINT OFFI	ICE
5. PROGRAM ELEM	ENT	6. CATEGORY CODE	7. PRO	JECT NUMBER	6. PROJEC	T COST (\$000)
66741		211-111	TYN	X034303A		447
		9. COST E	STIMATE	s	I	
		ITEM	U	OUANTITY	UNIT	COST
IGMAINT ZJPPORTING FACII	ITIES	1	SM	210	1,493	314 90
UTILITIES			LS			(55
PAVEMENTS			LS			(25
SITE IMPROVEMEN	TS		LS			(10
UBTOTAL						404
	E&)					
OTAL CONTRACT C	5%) 09T					20
		ON AND OVERHEAD (5.5	(8)			424 23
OTAL REQUEST		ON AND OVERHEAD (5.3				447
REA COST FACTOR			.82	} [44/
		.0SM ADEQ shop for the Family	UATE: (Housing			ARD: 130SM (Current
lission).						
art of the main		a usable facility for ce contract.	. Life Fa	amily Housi	ig maintenand	e contractor as
		he existing Housing Ma	aintena	nce Contract	or shares su	ace with a
		Both shops are crampe			-	
-		pace is very limited a				
		safety zones around				
		intain the appliances ocations around the ba	_	_		The appliances
		actor's maintenance ve				
MPACT IF NOT PRO	VIDEI	D: The Housing Mainte	nance (Contractor w	ould continu	e to exist in
nadeguate space	and	unable to provide the	full s	ervice neces	sary under t	he contract.
DDITIONAL: Base	e Civ	il Engineer: Lt Col Al	len J.	Benefield,	(210) 652-24	01.
FORM 1391 DEC		Previous editi		abralata		Page No.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTIO	N PROJECT DATA	₽.DATE
AIR FORCE			
3. INSTALLATION AND LO	CATION		
RANDOLPH AIR FORC	CE BASE, TEXAS		
4. PROJECT TITLE		5. PROJECT NUMB	BER
MFH HOUSING MAIN	ΓOFFICE	TYMX034	303A
12. SUPPLEMENTAL I	DATA:		
a. Estimated Design Data	ц.		Design/Build
(1) Status:			
(a) Date Desig			01 Aug 25
	Cost Estimate used to develop costs		Ν
	mplete as of Jan 2002		35
(d) Date 35%			01 Dec 20
(e) Date Desig			02 May 20
	dy/Life-Cycle analysis was performed;		
(2) Basis:			
	Definitive Design -		NO
(b) Where desig	n was most recently used -		N/A
	(a) + (b) or (d) + (e):		(\$20
	of Plans and Specifications		20
(b) All other D	Design Costs		0
(c) Total			20
(d) Contract			20
(e) In-house			
(4) Construction Sta	rt		03 Ap
(5) Construction Co	mpletion		04 Jul
b. Equipment associated	with this project will be provided from other app	ropriations: N/A	

AIR FORCE	:	FY 2003 MILITARY (compu	CONSTRUC: ter genei		Γ DATA	2. DATE	
3. INSTALLATION	AND LOCA		J	4. PROJECT	TTTI.R	ļ	
LANGLEY AIR FOR						MENT OFFICE	
	-		7 000				
5. PROGRAM ELEME	SNT 6.	CATEGORY CODE	7. PROL	ECT NUMBER	8. PROJECT COST (\$000)		
88741		610-119		1940300A		1,193	
		9. COST	ESTIMATES		UNIT	COST	
	ITEN	4	U/N	OUANTITY	UNII	0051	
CONST HOUSING MA	NAGEMENT	OFFICE	SF	6500	121	787	
SUPPORTING FACIL	ITIES		I J			290	
UTILITIES			LS			(70)	
PAVEMENTS			LS			(60)	
SITE IMPROVEMEN	TS		LS			(80)	
DEMOLITION			LS			(80)	
SUBTOTAL						1,077	
CONTINGENCY (!	5%)					54	
TOTAL CONTRACT CO	OST					1,131	
SUPERVISION, INSP	PECTION A	AND OVERHEAD (5.	5%)			62	
FOTAL REQUEST					Γ	1,193	
AREA COST FACTOR			. 92				
consists of site back up, and a site	work, sl loped sta	sed Construction: ab on grade, bric Inding seam metal	k veneer	exterior wa	all with cor	acrete block	
consists of site back up, and a sinecessary support 11. REQUIREMENT	work, sl loped sta	ab on grade, bric inding seam metal ADE	k veneer roof. T QUATE:	exterior wa	all with cor cludes all u SUBSTANDA	ncrete block htilities and	
consists of site pack up, and a sine pecessary support 11. REQUIREMENT <u>PROJECT:</u> Constru- <u>REQUIREMENT:</u> Con- the daily operation office space. The 6,000 permanent pro- of Military Famil facility that is receptive and con- first encounters lobby, a conferen- restrooms. <u>CURRENT SITUATION</u> available for ass office is on the system is inadequare area of over 2,20 a remote and diff <u>IMPACT IF NOT PRO-</u> in order to meet provide an atmosp and will provide	work, sl loped sta	ADEA ab on grade, brid anding seam metal ADEA ing Management Off on of a new Housing this office run eff by Housing Managem chilies, including ag management and e to normal daily to newly transfe base. The facil , a break room, a existing housing m tronnel, and the cor of a lo-story designed to support furthermore, the offind area. A dedicated impro- dis of Air Force men ducive to healthy e necessary for h	k veneer roof. T QUATE: fice (curr g Managem ficiently hent Offi the manage off-base flow of prred per ity will storage anagement office 1 y housing ort indiv current H wement pi abers and morale :	exterior washis work independent of fice of the provides gement of 1, housing rest business. Sonnel, since include operation of the provide o	all with cor cludes all u SUBSTANDA h). is key to e personnel h vital servi ,606 MPH uni ferral servi The facilit ce this is c en and close chanical room es not have any ineffici 90 units. ments, mot a gement Offic developed a lies. A ne a and incomi	Acrete block atilities and RD: RD: RD: RD: RD: RD: RD: RD:	
consists of site back up, and a sine cessary support 11. REQUIREMENT <u>PROJECT:</u> Constru- <u>REQUIREMENT:</u> Con- the daily operation of fice space. The 6,000 permanent pro- of Military Famil facility that is receptive and con- first encounters lobby, a conference restrooms. <u>CURRENT SITUATION</u> available for asso- office is on the system is inadequate area of over 2,20 a remote and differ <u>IMPACT IF NOT PROV</u> in order to meet provide an atmosp and will provide an efficient and	work, sl loped sta	ADEA ab on grade, brid anding seam metal ADEA ing Management Off on of a new Housing this office run eff by Housing Managem chilies, including ag management and e to normal daily to newly transfe base. The facil , a break room, a existing housing m tronnel, and the cor of a lo-story designed to support furthermore, the offind area. A dedicated impro- dis of Air Force men ducive to healthy e necessary for h	2k veneer roof. T QUATE: fice (curr g Managem ficiently ent Offi the manage off-base flow of rred per ity will storage anagement office 1 y housing ort indiv current H vement p abers and morale : ousing per	exterior washis work independent of fice of the second sec	all with cor cludes all u SUBSTANDA h). is key to e personnel h vital servi ,606 MPH uni ferral servi The facilit ce this is c en and close chanical room es not have any ineffici 90 units. ments, mot a gement Offic developed a lies. A new i and incomi conduct dai	Acrete block atilities and RD: nsuring that have adequate ace to over ts. The task aces requires a y must also be often one of the ed offices, a m, and adequate space encies. The The mechanical large open e is located in. nd implemented w office will ng personnel, ly business in	

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA 2. DATE				
AIR FORCE	(computer generated)				
3. INSTALLATION	AND LOCATION	4. PROJECT	TITLE		
LANGLEY AIR FORC	E BASE, VIRGINIA	REPLACE HOUS	SING MANAGEMENT OFFI	CE	
5. PROGRAM ELEME	ENT 6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$0)00)	
88741	610-119	MUHJ940300A	1,193		

is designed to facilitate the addition of a Family Support Center programmed for FY03. The demolition costs included in block 9 are for demolition of a facility at the site of the new housing office. Base Civil Engineer: Lt Col Drew Jeter, (757) 764-2025.

Previous editions are obsolete.

1. COMPONENT			2. DATE
AIR FORCE	FY 2003 MILITARY CONSTRUCTIO	N PROJECT DATA	
3. INSTALLATION AND LOC	CATION		1
LANGLEY AIR FORCE	E BASE, VIRGINIA		
4. PROJECT TITLE	,	5. PROJECT NUMB	ER
CONST HOUSING MAI	NAGEMENT OFFICE	MUHJ9403	00A
12. SUPPLEMENTAL I		·	D' /D'11
a. Estimated Design Data			Design/Build
(1) Status: (a) Date Desig	n Started		01 Aug 20
	Cost Estimate used to develop costs		N N
(c) Percent Con	mplete as of Jan 2002		35
(d) Date 35%]			01 Dec 15
(e) Date Desig			02 May 10
(1) Energy Stu (2) Basis:	dy/Life-Cycle analysis was performed;		
	Definitive Design -		NO
	n was most recently used -		N/A
	(a) + (b) or (d) + (e):		(\$50)
	of Plans and Specifications		50 0
(b) All other D (c) Total	lesign Costs		50
(d) Contract			50
(e) In-house			
(4) Construction Sta	rt		03 Mar
(5) Construction Con	mpletion		04 Jun
	with this project will be provided from other app		
DD FORM 1391c, DEC 76	PREVIOUS EDITIONS MAY BE USEI	D INTERNALLY	

1. COMPONENT		FY 2	003 MI		CONS	TRUCTIO		GRAM	2. DATE	
AIR FORCE	1		000 1111		00110					
INSTALLATION AND		ON		СОММ				(5 ARE	A CONST	
RAMSTEIN AIR BAS										
	,					UROPE		1.24		
6. Personnel	DEI	RMANE	NT				21	PPORTE		
strength	OFF		CIV		ENL		OFF		CIV	TOTAL
AS OF 30 SEP 01	1261		2780							
END FY 2005	1261		2780				1584 1584			13,70
		0080	2735				1364	1250	265	13,78
7. INVENTORY DAT	A (\$000)	0 400								
Fotal Acreage:	. (00.0	3,102								
Inventory Total as of										3,800,35
Authorization Not Yet										9,66
Authorization Reques		•								8,53
Authorization Included		-		am:	(FY 200)4)				5,60
Planned in Next Thre		rogram	1.							
Remaining Deficiency	/:									
Grand Total:										3,824,15
8. PROJECTS REQU	JESTED I	N THIS	PROG	GRAM:			(FY 200	,		
CATEGORY									DESIGN	
-	PROJEC		-			<u>SCOPE</u>		-	TART	
7'11-142	Replace I	amily	Housing)		19 UN		8,534	Jun-01	Jul-0:
9a. Future Projects: I	ncluded in	n the Fo	ollowing	g Progra	am	((FY 2004	4)		
7'11-142	Replace I	amily	Housing	J		12 UN		5,607		
9b. Future Projects: 1	Typical Pla	anned I	Next Th	nree Yea	ars:	NONE				
9c. Real Propery Mai										437,44
10. Mission or Major	Functions	s: A hos	st airlift	wing su	pporting	a C-I 30)E squad	dron, a C	-9A squad	ron and a
squadron composed of	of C-20A,	and C-2	21A air	craft; He	eadquar	ters, Uni	ted State	es Air Fo	rces in Eu	rope
and Headquarters, All	lied Air Fo	rces Ce	entral E	urope.						
DD Form 1390 , 24 Jul	100									
יסט דטוווו וטאר , 24 Jul	100									

1. COMPONENT							2. DATE
AIR FORCE	FY 2003 N	IILITARY CO	NSTRU	ICTION	PROJE	CT DATA	
3. INSTALLATION AND LOCA	TION				CT TITLE		
RAMSTEIN AIR BASE, C	FRMANY			REPLAC	CE FAMI	LY HOUSING	Ĵ
5. PROGRAM ELEMENT	6. CATEGO	ORY CODE	7. PRO	JECT NU	IBER	8. PROJECT	COST (\$000)
88741		1 1-142	 T	YFR0340	73	8.5	534
_	• 	9. COST	ESTIMAT	<u> </u>	_	1	
	ITEM		U/м	QUA	YTITY	UNIT COST	COST (\$000)
MILITARY FAMILY HOU SUPPORTING FACILITIE			U N LS	1	9	223,947	4,255
SITE IMPROVEMENTS			LS				3,376 (738)
UTILITIES			LS				(548)
STREETS DEMOLITION & ASBE	STOS REMOV	AL	LS LS				(798) (1,292)
SUBTOTAL			20				7,631
CONTINGENCY (5%) TOTAL CONTRACT COS	т						382 8,013
SUPERVISION INSPECT		RHEAD (6.5%)					521
TOTAL REQUEST							8,534
AREA COST FACTOR	1.24						
10. DESCRIPTION OF PR		STRUCTION:	Construct	t 19 housi	ng units, t	to include 3 ge	neral officer
quarters, with all necessary							
patios, and privacy fencing, and all landscaping. Include							
			-	Draiget	Cast	Dor No	(*000)
Paygrade Bedroom	NSF	GSF GS	SM	Project Factor	Cost GSM	Per No Units	(\$000) Tota <u>l</u>
E7-E9 4 07 4	1,734 2,686	_,	00 09	1.426 1.426	732 732	16 <u>3</u>	3,300 955
-	·	-,			-	19	4,255
Maximum size: E7-E-9 - 4	Bedroom (2020	NSF/2500 GSF); 07 - 4	Bedroom	(3270 NS	SF/4060 GSF)	
11. Requirement: 9,497		EQUATE: 6,12		SUBST	ANDAR	D: 3,369 UN	
PROJECT: Replace-Militar				ficiant nor	lagament	housing for m	ilitarry manaharra
REQUIREMENT: This pro and their dependents station							
accordance with the Housin	g Community F	rofile. Replacen	nent hous	ing will p	provide a	safe, comforta	ble, and
appealing living environment Include landscaping, playgr							
years without additional ma			project	nould pro		quate nousing i	for unotifier 25
CURRENT SITUATION: T							
in the 1950's. These 50-yea hajor upgrades since constru							
environment. Portions of ro	of and exterior	plaster require m	ajor repa	ir or repla	acement d	ue to the effect	ts of age and the
environment. Roofs show sind electrical systems are an							
generally inadequate by mo	dem criteria. Be	drooms are sma	ll and lac	k adequa	te closet s	space. Bathroom	
ninimal counter space is pr	ovided. Kitchen	s have inadequa	te storage	e and cou	nterspace.		
D FORM 1391, DEC 76	PRE		MAY BE	USED INT	ERNALLY		
PAGE NO				LEXHAUS			359

AIR FORCE

FY 2003 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION

RAMSTEIN AIR BASE, GERMANY

4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE FAMILY HOUSING	TYFR034073

Flooring throughout the house is outdated and contains evidence of asbestos. Plumbing and electrical systems are outdated and do not meet modem building codes. Wiring is approximately 50 years old and reaching the end of its useful live. There is no ground fault interrupter circuit protection and many electrical outlets lack grounding protection. Lighting systems throughout the house are inefficient and require replacement. Heating systems require upgrade and replacement. No fire protection is in the residence.

<u>IMPACT IF NOT PROVIDED</u>: Units will continue to deteriorate rapidly, resulting in increasing operations, maintenance and repair costs to the Government and inconvenience to residents since major structural, mechanical and electrical elements are reaching the end of their useful life. Without this initiative, costly piecemeal repairs will continue with no improvement in the living quality. Major morale problems will result if this replacement initiative is not supported.

ADDITIONAL: This project is not eligible for NATO funding. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Since this is a replacement project, there will be no increase in the student population or impact on the local DoDDS school system. The construction agent for this project is the Army Corps of Engineers resulting in 6.5% SIOH costs. BASE CIVIL ENGINEER: Col Jeffrey Leptrone, 01 1-49-637 1-476228 DSN: 480-6228

FOREIGN CURRENCY: FCF Rate Used: Euro 1.1386

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION		2. DATE
AIR FORCE	FI 2003 WILLIART CONSTRUCT	UN PROJECT DATA	
3. INSTALLATION AND LOG	CATION		
AMCTEIN AID DASE	CEDMANY		
AMSTEIN AIR BASE,	, GERMAN I	5. PROJECT NUMBE	R
]	i c
REPLACE FAMILY HO	DUSING	TYFR034073	3
12. SUPPLEMENTAL I	DATA:		
. Estimated Design Data	и:		Design/Build
(1) Status:			
(a) Date Desig	n Started		01 Aug 5
	Cost Estimate used to develop costs		N
(c) Percent Cor	mplete as of Jan 2002		35
(d) Date 35%	Designed		01 Dec 20
(e) Date Desig	n Complete		02 May 10
(f) Energy Stu	udy/Life-Cycle analysis was performed;		
(2) Basis:			
	Definitive Design -		NO
(b) Where desig	n was most recently used -		N/A
	= (a) + (b) or (d) + (e):		(\$370)
	of Plans and Specifications		37
(b) All other D	Design Costs		(
(c) Total			37
(d) Contract			370
(e) In-house			
(4) Construction Sta	rt		03 Ap
(5) Construction Con	mpletion		04 Jun
b. Equipment associated	with this project will be provided from other ap	propriations: N/A	

MILITARI FAMILI HOUS	ING JUSTIFICATION	1. DATE OF REPOR Mar-01	Г		2. FISCAL	YEAR	REPORT (DD-A&L(A	CONTROL S R)1716	SYMBOL
3. DOD COMPONENT	4. REPORTING INST	ALLATION							
AIR FORCE a. NAME			b. LOCATION						
5. DATA AS OF 2000	RAMSTEI					GERMANY			
ANALYS	SIS	CURR					JECTED		
OF REQUIREMENTS		OFFICER	E9-E7 (b)	E6-E1 (c)	TOTAL	OFFICER	E9-E7	E6-E1	TOTA
6. TOTAL PERSONNEL		(a)	(u)	(0)	(d)	(e)	(f)	(g)	(h)
		2,035	1,559	9,607	14,001	2,616	1,571	9,721	14.110
7. PERMANENT PARTY	PERSONNEL	2,635	1,559	9,607	14,001	2,818	1,571	9,721	14,11(
3. GROSS FAMILY HOUS		2,339	1,362	5,716	9,417	2,362	1,369	5,766	9,497
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		3	16	0	19				
a. INVOLUNTARILY		0	0	0	0				
b. IN MILITARY HOU		3	16	o	19				
DISPOSED/REPLACED c. UNACCEPTABLE HOUSED IN COMMUNITY			0	0	0				
0. VOLUNTARY SEPARA	TIONS	0	0	0	0	0	0	0	0
1. EFFECTIVE HOUSING	REQUIREMENTS	2,339	1,362	5,716	9,417	2,362	1,369	5,766	9,497
2. HOUSING ASSETS (a	+ b)	2,336	1,346	5,716	9,398	2,359	1,353	5,766	9,478
a. UNDER MILITARY	CONTROL	410	684	3,978	5,072	410	684	3,978	5,072
(1) HOUSED IN E OWNED/COM		410	684	3,978	5,072	410	684	3,978	5,072
	TRACT/APPROVED					0	0	0	0.
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSIN	NG	1,926	662	1,738	4,326	1,949	669	1,788	4,406
(1) ACCEPTABLY HOUSED		1,926	662	1,738	4,326				
(2) ACCEPTABLE	E VACANT RENTAL	0	0	0	0				
3. EFFECTIVE HOUSING	DEFICIT		16	0	19	3	16	0	19
4. PROPOSED PROJECT									1990 - A. 189

Item 12.a.(1): 3369 on-base units are inadequate.

1. COMPONENT PY 2003 MILITARY CONSTRUCTION PROJECT DATA 2. DATE (computer generated) AIR FORCE 4. PROJECT TITLE 3. INSTALLATION AND LOCATION OSAN AIR BASE, KOREA (REPUBLIC OF) REPLACE FURNISHINGS MGT WHSE 5. PROGRAM ELEMENT 7. PROJECT NUMBER 6. CATEGORY CODE 8. PROJECT COST (\$000) 88741 442-769 SMYU014003 834 9. COST ESTIMATES UNIT COST ITEM J∕₽ OUANTITY FURNISHINGS MGT WHSE S M 561 1,206 677 XTPPORTING FACILITIES 69 UTILITIES \mathbf{LS} (21 PAVEMENTS LS (28 SITE IMPROVEMENTS \mathbf{LS} (20 SUBTOTAL 746 CONTINGENCY (5%) 37 TOTAL CONTRACT COST 783 SUPERVISION, INSPECTION AND OVERHEAD (6.5%) TOTAL REQUEST a34 AREA COST FACTOR 1.12 LO. Description of Proposed Construction: All site prepration, drainage improvements, concrete foundation and slab, metal walls/roof over steel I-beam structure frames, fire sprinkler system, all utilities and supporting facilities. Project provides office with 1/2 size bathroom, open bay storage area, and mechanical/utility room. Includes telecon wiring, TV/computer cables, etc. Air Conditioning: 2 KW. 11. REQUIREMENT: 561 ADEQUATE: 0 SUBSTANDARD: 514 F'ROJECT: Replace building 409, Housing Supply & Storage Facility, by constructing a new wrarehouse. Companion project to SMYUOO-3040 and SMYU004019R2. (Current Mission) **REQUIREMENT:** This project is required to replace building 409 which is slated for dlemolition in FY2003 to make way for the new Military Family Housing project. The facility must be climate controlled to preserve woods and fabrics, and requires a loading ramp and dock, appropriate shelving, security area for pilferables, flammable materials storage space, staging area for receiving assets and processing turn-ins. CURRENT SITUATION: There are two warehouses on Osan Air Base to support the functions af furnishings management, buildings 409 (514 SM) and 2468 (790 SM). Bldg 409 is projected for demolition because it is in the way of the new family housing project. \mathbf{T} he loss of this facility will severely inhibit the ability of Osan AB to provide adequate storage for furnishings, washers, dryers and other appliances. Due to the increase in military family housing and the limitations on shipping appliances Osan AB is required to keep a large inventory on-hand at all times. The only other facility (Bldg 2468) does not provide enough storage space to compensate for the loss of Bldg 409. IMPACT IP NOT PROVIDED: Bldg 409 will be demolished and leave the base with inadequate storage for furnishings and appliances. These items will be forced to be stored outside where they will be exposed to the weather and deteriorate at a rapid pace. ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Sufficient funds from the Host Nation program are not available to support this requirement. Base Civil Engineer: Lt

Previous editions are obsolete.

1. COMPONENT	FY 2003 MILITARY C	ONSTRUCTION PROJECT	DATA	2. DATE
AIR FORCE	(comput	er generated)		
3. INSTALLATION	AND LOCATION	4. PROJECT	FITLE	
OSAN AIR BASE,	KOREA (REPUBLIC OF)	REPLACE FURN	NISHINGS MGT	WHSE
5. PROGRAM ELEN	MENT 6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT (COST (\$000)
00741	442-769	SMYU014003	L	834
Col. Michael W.	Hutchison, 011-82-31-661-43	312.		
BASE CIVIL ENGI	NEER: HUTCHISON			
FOREIGN CURRENCY	Y: FCF Budget Rate Used: W	ON 1265		
D FORM 1391, DEC	C 76 Previous editi	ons are obsolete.	I	Page No.

1. COMPONENT			2. DATE
	FY 2003 MILITARY CONSTRUCTION PR	OJECT DATA	
AIR FORCE			
3. INSTALLATION AND LO	CATION		
OSAN AIR BASE, KOR	EA		
4. PROJECT TITLE		5. PROJECTNUMBE	R
REPLACE FURNISHIN	GS MGT WHSE	SMYU014	003
12. SUPPLEMENTAL I		51110011	000
a. Estimated Design Data			Design/Build
(1) Status: (a) Date Desig	n Startad		01 Aug 25
	Cost Estimate used to develop costs		N N
	mplete as of Jan 2002		35
(d) Date 35%			01 Dec 20
(e) Date Desig	n Complete		02 May 25
	udy/Life-Cycle analysis was performed;		
(2) Basis:			
	Definitive Design -		NO N/A
(b) Where desig	n was most recently used -		IN/A
(3) Total Cost (c	=(a)+(b) or(d)+(e):		(\$40)
	of Plans and Specifications		40
(b) All other D			0
(c) Total	-		40
(d) Contract			40
(e) In-house			
(4) Construction Sta	rt		03 Apr
(5) Construction Co	mpletion		04Jul
b. Equipment associated	with this project will be provided from other appropriati	ons: N/A	
1 1	T J T T T T T T T T T T T T T T T T T T		
L			
DD FORM 1391c, DEC 76	PREVIOUS EDITIONS MAY BE USED INTER	NALLY	

3. INSTALLATION AND LOCATION	acci genei	rated)	T DATA	2. DATE
		4. PROJECT	TITLE	
RAF LAKENHEATH, UNITED KINGDOM		FAMILY HOU	ISING MANAGEN	MENT FACILITY
5. PROGRAM ELEMENT 6. CATEGORY CODE	7 PP0.1	ECT NUMBER		T COST (\$000)
	7. 1100	BCI NOMDER	0. FRODEC	.1 COSI (\$000)
80741 610-119		<u>T984304</u>		2,203
9. COST	ESTIMATES		UNIT	COST
ITEM	U/M	OUANTITY	UNII	CUSI
FAMILY HOUSING MANAGEMENT FACILITY	S M	582	1,97£	1,15
SUPPORTING FACILITIES				83
UTILITIES	LS			(16-
SITE IMPROVEMENTS	LS			(13)
DEMOLITION	LS			(134
PARKING	LS			(7!
FORCE PROTECTION	LS			(33)
SUBTOTAL				1,98
Contingency (5%)				9
LOTAL CONTRACT COST			ľ	2,088
SUPERVISION, INSPECTION AND OVERHEAD (5	5.5%)			11!
COTAL REQUEST				2,203
AREA COST FACTOR	1.44			
MOST EXPENSIVE UNIT	0			
affices, restrooms, computer equipment ro				include: -
waiting area, and interior and exterior c p arking and fire suppression.		areas. Ir	ncludes all n	s, customer utilities,
waiting area, and interior and exterior c parking and fire suppression. 11. REQUIREMENT: 582SM ADE	EQUATE: O	areas. Ir SM	SUBSTAND	s, customer utilities, ARD: 805 SM
waiting area, and interior and exterior c parking and fire suppression. 11. REQUIREMENT: 582SM ADE F'ROJRCT: Construct Regional Family Housi	EQUATE: O	areas. Ir SM	SUBSTAND	s, customer utilities, ARD: 805 SM
waiting area, and interior and exterior c parking and fire suppression. 11. REQUIREMENT: 582SM ADM F'ROJRCT: Construct Regional Family Housi Lakenheath and RAF Mildenhall (Current Mis	EQUATE: O Manage ssion).	areas. Ir SM ment Facili	SUBSTANDA	s, customer utilities, ARD: 805 SM rt of RAF
waiting area, and interior and exterior of parking and fire suppression. 11. REQUIREMENT: 582SM ADD F'ROJRCT: Construct Regional Family Housi Lakenheath and RAF Mildenhall (Current Mis REQUIREMENT: An adequate facility is req owned/leased housing units and 3600 renta	hild play EQUATE: Of Ing Manager ssion). quired for l propert:	areas. Ir SM ment Facili 34 people : ies for the	SUBSTANDA SUBSTANDA ty in suppor managing 250 5000 famili	ard of RAF ogovernment es (military,
waiting area, and interior and exterior of parking and fire suppression. 11. REQUIREMENT: 582SM ADE F'ROJRCT: Construct Regional Family Housi Lakenheath and RAF Mildenhall (Current Miss REQUIREMENT: An adequate facility is required bowned/leased housing units and 3600 renta DODDS, AAFES, and US civilians) and 3300 recents	hild play EQUATE: Of Ing Manager ssion). quired for l propert:	areas. Ir SM ment Facili 34 people : ies for the	SUBSTANDA SUBSTANDA ty in suppor managing 250 5000 famili	ard of RAF ogovernment es (military,
waiting area, and interior and exterior of parking and fire suppression. 11. REQUIREMENT: 582SM ADD FROURCT: Construct Regional Family Housi Lakenheath and RAF Mildenhall (Current Miss REQUIREMENT: An adequate facility is required/leased housing units and 3600 renta DODDS, AAFES, and US civilians) and 3300 renta Cakenheath and RAF Mildenhall.	EQUATE: O ang Manage ssion). quired for l propert: unaccompar	areas. Ir SM ment Facili 34 people ies for the nied person	SUBSTANDA SUBSTANDA ty in suppor managing 250 5000 famili nel assigned	ARD: 805 SM ARD: 805 SM Art of RAF 00 government .es (military, 1 to RAF
waiting area, and interior and exterior of parking and fire suppression. 11. REQUIREMENT: 582SM ADD FROJRCT: Construct Regional Family Housi Lakenheath and RAF Mildenhall (Current Mis REQUIREMENT: An adequate facility is required owned/leased housing units and 3600 renta DODDS, AAFES, and US civilians) and 3300 renta DODDS, AAFES, and US civilians) and 3300 renta CURRENT SITUATION: The Housing Management	EQUATE: Of ang Manage ssion). quired for l propert: unaccompar t function	areas. Ir SM ment Facili 34 people : ies for the nied person is located	SUBSTANDA SUBSTANDA ty in suppor managing 250 5000 famili nel assigned d in a dilag	ARD: 805 SM of RAF 00 government es (military, 1 to RAF
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1. COMPONENT		FY 2003 MILITARY CONSTRUCTION PROJECT DATA					
AIR FORCE		(computer generated)					
3. INSTALLATION AND LOCATION 4. PROJECT TITLE							
RAP LAKENHEATH	RAP LAKENHEATH, UNITED KINGDOM FAMILY HOUSING MANAGEMEN						T FACILITY
5. PROGRAM ELE	GENT 6	. CATEGORY	CODE	7. PROJ	ECT NUMBER	8. PROJECT	COST (\$000)
88741		610-1	19	MSE	T984304	2	,203

co use while parents are being counseled on housing matters.

<u>CMPACT IF NOT PROVIDED:</u> Due to the poor condition of the existing facility, the cost of major repairs or improvements necessary to bring it up to modern standards would exceed 70% of the replacement value but would still not provide an adequate housing management Eacility. The deteriorated and unprofessional environment of this facility will continue to inhibit worker productivity and will not meet customer needs. The lack of child play areas will contribute to overcrowding and increased noise.

ADDITIONAL: This facility is required to ensure incoming personnel can quickly secure affordable housing within a reasonable commuting/response area and with minimal difficulties. It will be handicapped accessible and have parking spaces for workers and daily customers. The facility will provide 24-hour service lobby, office space, conference room, private counseling rooms, administrative space, reception and customer waiting areas. A request for waiver of economic analysis has been prepared based on the fact there is only one possible alternative to accomplish this objective. This project aeets the criteria/scope outlined in the Air Force Housing Support Facilities guide. 3ase Civil Engineer: Lt Col Thomas D. Quasney (011) 44 1638 522100. This project is lot eligible for NATO funding.

3ASE CIVIL ENGINEER: Quasney

FOREIGN CURRENCY: FCF Budget Rate Used: POUND .7091

RAF LAKENHEATH, UNITED KING A. PROJECT TITLE	DOM	5. PROJECT NUMB	ED
		J. PROJECT NOME	ER
FAMILY HOUSING MANAGEMENT	FACILITY	MSET9843	04
2. SUPPLEMENTAL DATA:			
. Estimated Design Data:			Design/Build
(1) Status:			
(a) Date Design Started			01 Aug 25
(b) Parametric Cost Estimate			Ν
(c) Percent Complete as of Jan	n 2002		35
(d) Date 35% Designed			01 Dec 20
(e) Date Design Complete (f) Energy Study/Life-Cycle a	nalucia was parformed		02 May 20
(1) Energy Study/Ene-Cycle 2 (2) Basis:	inarysis was performed,		
(a) Standard or Definitive Desi	σn -		NO
(b) Where design was most rec			N/A
	/ 1 × <i>/</i> ×		
(3) Total Cost $(c) = (a) + (b)$ of $(c) = (b)$			(\$100)
(a) Production of Plans and Sp(b) All other Design Costs	pecifications		100 0
(c) Total			100
(d) Contract			100
(e) In-house			100
(4) Construction Start			03 Apr
(5) Construction Completion			04 Jul
e. Equipment associated with this project	et will be provided from other appr	ropriations: N/A	