Department of the Air Force

Military Construction and Family Housing Program

Fiscal Year (FY) 2003 Budget Submission

Justification Data Submitted to Congress
February 2002

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

NARRATIVE SUMMARY

This Military Family Housing request reflects the Air Force's commitment to revitalize inadequate houses and provide service members with homes that meet contemporary standards similar to the size and floor pattern of homes constructed in the local community. The Air Force created the Air Force Family Housing Master Plan (FHMP) as the "roadmap" to guide our investment in military family housing. The Secretary of the Air Force and the Chief of Staff endorsed the following statement in the recently approved plan:

> *The foundation of the Air Force is our people. Our highest enduring priority is to recruit and retain the finest men and women for our Air Force. Achieving this priority is paramount to the Air Force's military capability, today and tomorrow. Investments in Quality of Life create the living environment our people need and deserve to successfully accomplish their mission. Providing safe and adequate housing, especially for our families, enhances retention and readiness, for while we recruit individuals, we retain families. This family housing master plan is the foundation for our investment in Air Force military family housing. It demonstrates our commitment to our airmen and our families, providing the Quality of Life that lives up to their trust. We will remain worthy of America's best.*

This budget request fully funds the AF FHMP to meet Air Force's 2010 goal . The Air Force FHMP provides a balanced, requirements based strategy that integrates and prioritizes traditional construction and operations and maintenance, with a measured approach to privatization into a single "roadmap." The FHMP recognizes that we rely on the local community to provide 60 percent of our military family housing needs. When local community housing is unavailable, inadequate, or demand for base housing is high due to economic factors, we construct, or repair and maintain existing military family housing to modern-day, industry standards. Also, where possible and fiscally appropriate, we attempt to lease adequate housing for our families.

Consistent with AF FHMP priorities, this budget provides a program that emphasizes construction to upgrade homes to whole-house standards, and applies operations and maintenance of our housing inventory for daily operations to "keep the doors open" and only where needed to keep "good houses good." In this way we avoid costly "bandaid" fixes to deteriorating houses. We are accelerating revitalization of inadequate homes in the worst condition by improving or replacing to contemporary "whole-house" standards, where economically justifiable. Accordingly our investment account has increased from $544M last FY to $677M in FY03.

The operations, day-to-day maintenance and leasing accounts predominantly support "must pay" requirements. These costs include service contracts, lease contracts, utilities, and essential maintenance for operating the units and "keeping the doors open" on a daily basis to keep "good units good" and contract funding to correct life safety, health, and facility preservation issues that

cannot await MILCON funding. The maintenance account also reflects AF FHMP priorities and attempts to arrest growth of our deferred housing maintenance and repair requirements within fiscal constraints. Unfortunately we have not eliminated our deferred maintenance and repair backlog. At the beginning of FY2003 approximately 46,000 housing units needed revitalization. Under existing agreements, it is expected host nations will revitalize about 3,000 units leaving 43,000 units for the Air Force to address.

The Air Force is also committed to continuing a measured approach to privatization to revitalize where projected life-cycle costs are similar or better than traditional military construction and operations and maintenance life-cycle costs. The AF FHMP proposes five additional housing privatization initiatives in FY 2003. We propose to privatize more than 4,500 housing units at five bases: (Maxwell AFB, AL; Hanscom AFB, MA; Cannon AFB, NM; Shaw AFB, SC; and F.E. Warren AFB, WY). One alternative improvement project is proposed for the Cannon AFB privatized project. The alternative project will only be executed if privatization is unsuccessful. These five improvement projects have a total budget cost of $7.7 million.

We believe this funding profile represents a well-balanced, fiscally constrained program that is based on a fact-based and senior leadership approved Family Housing Master Plan. By allocating more funds to construction investment, we are more aggressively attacking our inadequate units, and ensuring M&R dollars are working to fund “must pay” bills and essential housing repairs. We respectfully request full support for the Air Force family housing needs presented herein.

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SUMMARY

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FY 2003 FINANCIAL SUMMARY

AUTHORIZATION FOR APPROPRIATION REQUESTED FOR FY 2003:

FUNDING PROGRAM FY 2003		*($000)*
Construction		416,438
Post-Acquisition Construction		226,068
Advance Planning and Design		34,188
Appropriation Request: Construction		676,694
Operations, Utilities and Maintenance		720,211
Operating Expenses	110,781	
Utilities	132,945	
Maintenance	476,485	
Housing Privatization		20,482
Leasing - Worldwide		103,690
Debt Payment		
Premiums for Servicemen's Mortgage Insurance Coverage		36
Appropriation Request: O&M, Leasing, Housing Privatization and Debt Payment		844,419
Appropriation Request		1,521,113
Reimbursement Program		11,190
FY 2003 FAMILY HOUSING PROGRAM		1,532,303

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LEGISLATIVE LANGUAGE

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

FY 2003 Authorization Language

SEC. 2302. FAMILY HOUSING

(a) CONSTRUCTION AND ACQUISITION. - Using amounts appropriated pursuant to the authorization of appropriations in section 2304(a)(5)(A), the Secretary of the Air Force may construct or acquire family housing units (including land acquisition) at the installations, for the purposes, and in the amounts set forth in the following table:

STATE	INSTALLATION	PURPOSE	AMOUNT
Arizona	Luke AFB	140 Units	$18,954,000
California	Travis AFB	110 Units	$24,320,000
Colorado	Peterson AFB	2 Units	$959,000
Colorado	USAF Academy	71 Units	$12,424,000
Delaware	Dover AFB	112 Units	$19,615,000
Florida	Eglin AFB	134 Units	$ 15,906,000
Florida	Eglin AFB	Housing Office	$597,000
Florida	MacDill AFB	96 Units	$18,086,000
Hawaii	Hickam AFB	96 Units	$29,050,000
Idaho	Mt. Home AFB	95 Units	$24,392,000
Kansas	McConnell AFB	Hsg. Maint. Facility	$1,514,000
Maryland	Andrews AFB	53 Units	$9,838,000
Maryland	Andrews AFB	52 Units	$8,807,000
Mississippi	Columbus AFB	Housing Office	$412,000
Mississippi	Keesler AFB	117 Units	$16,505,000

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STATE	INSTALLATION	PURPOSE	AMOUNT
Missouri	Whiteman AFB	22 Units	$3,977,000
Montana	Malmstrom AFB	18 Units	$4,717,000
New Mexico	Holloman AFB	101 Units	$20,161,000
North Carolina	Pope AFB	Hsg. Maint. Facility	$991,000
North Carolina	Seymour Johnson AFB	126 Units	$18,615,000
North Dakota	Grand Forks AFB	150 Units	$30,140,000
North Dakota	Minot AFB	112 Units	$21,428,000
North Dakota	Minot AFB	102 Units	$20,315,000
Oklahoma	Vance AFB	59 Units	$11,423,000
South Dakota	Ellsworth AFB	22 Units	$4,794,000
South Dakota	Ellsworth AFB	Hsg. Maint. Facility	$447,000
Texas	Dyess AFB	85 Units	$14,824,000
Texas	Randolph AFB	112 Units	$14,311,000
Texas	Randolph AFB	Hsg. Maint. Facility	$447,000
Virginia	Langley AFB	Housing Office	$1,193,000
Germany	Ramstein AB	19 Units	$8,534,000
Korea	Osan AB	113 Units	$35,705,000
Korea	Osan AB	Furnishings Mgt Warehouse	$834,000
UK	RAF Lakenheath	Hsg Mgt Facility	$2,203,000
		Total	$416,438,000

(b) PLANNING AND DESIGN. - Using amounts appropriated pursuant to the authorization of appropriations in section 2304(a)(5)(A), the Secretary of the Air Force may carry out architectural and engineering services and construction design activities with respect to the construction or improvement of military family housing units in an amount not to exceed $34,188,000.

SEC. 2303. IMPROVEMENT TO MILITARY FAMILY HOUSING UNITS

Subject to section 2825 of Title 10, United States Code, and using amounts appropriated pursuant to the authorization of appropriations in section 2304(a)(5)(A), the Secretary of the Air Force may improve existing military family housing units in an amount not to exceed $226,068,000.

SEC. 2304. AUTHORIZATION OF APPROPRIATIONS, AIR FORCE

(a) IN GENERAL
(5) for Military Family Housing functions –

(A) For construction and acquisition, planning and design, and improvement of military family housing and facilities, $676,694,000.

(B) For support of military family housing (including functions described in section 2833 of Title 10, United States Code), $844,419,000.

FY 2003 Appropriation Language

Family Housing – Construction : For expenses of family housing for the Air Force for construction, including acquisition, replacement, addition, expansion, extension and alteration as authorized by law, [$544,496,000] $676,694,000, to remain available until September 30, [2006] 2007.

Family Housing – Operation and Maintenance: For expenses of family housing for the Air Force for operations and maintenance, including debt payment, leasing, minor construction, principal and interest changes, and insurance premiums, as authorized by law,[$835,194,000] $844,419,000.

The total of the two appropriations in all [$1,379,690,000] $1,521,113,000.

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NEW CONSTRUCTION

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

FY 2003 NEW CONSTRUCTION

Program (In Thousands)
FY 2003 Program $416,438
FY 2002 Program $149,100

Purpose and Scope

This program provides for the construction of new homes where the local community cannot provide adequate housing and replacement of existing homes, where improvements for Air Force personnel are not economically feasible, and support facilities where existing facilities are inadequate. Costs reflect all amounts necessary to provide complete and usable facilities.

Program Summary

Authorization is requested for: replacement of 2,004 units and construction of 115 units.
A summary of the funding program for FY 2003 is as follows:

AUTHORIZATION Type/Locations	Mission*	Number of Units	Requested Amount ($000)
CONSTRUCTION HOUSING			
Peterson AFB, CO	Current	2	959
Osan AB, Korea	Current	113	$ 35,705
REPLACEMENT HOUSING & SUPPORT FACILITIES			
Luke AFB, AZ	Current	140	$ 18,954
Travis AFB, CA	Current	110	24,320
USAF Academy, CO	Current	71	12,424
Dover AFB, DE	Current	112	19,615
Eglin AFB, FL	Current	134	15,906
Eglin AFB, FL	Current	LS	597
MacDill AFB, FL	Current	96	18,086
Hickam AFB, HI	Current	96	29,050
Mountain Home AFB, ID	Current	95	24,392
McConnell AFB, KS	Current	LS	1,514
Andrews AFB, MD	Current	53	9,838
Andrews AFB, MD	Current	52	8,807
Columbus AFB, MS	Current	LS	412
Keesler AFB, MS	Current	117	16,505
Whiteman AFB, MO	Current	22	3,977
Malmstrom AFB, MT	Current	18	4,717

DEPARTMENT OF THE AIR FORCE
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LOCATION	MISSION	NUMBER OF UNITS	REQUESTED AUTHORIZATION AMOUNT ($000)
Holloman AFB, NM	Current	101	20,161
Pope AFB, NC	Current	LS	991
Seymour Johnson AFB, NC	Current	126	18,615
Grand Forks AFB, ND	Current	150	30,140
Minot AFB, ND	Current	112	21,428
Minot AFB, ND	Current	102	20,315
Vance AFB, OK	Current	59	11,423
Ellsworth AFB, SD	Current	22	4,794
Ellsworth AFB, SD	Current	LS	447
Dyess AFB, TX	Current	85	14,824
Randolph AFB, TX	Current	112	14,311
Randolph AFB, TX	Current	LS	447
Langley AFB, VA	Current	LS	1,193
Ramstein AB, Germany	Current	19	8,534
Osan AB, Korea	Current	LS	834
RAF Lakenheath, UK	Current	LS	2,203
NEW MISSION TOTAL			0
CURRENT MISSION TOTAL			416,438
IMPROVEMENTS			226,068
PLANNING AND DESIGN			34,188
GRAND TOTAL			$676,694

* FY 2003 NEW/CURRENT MISSION ACTIVITIES: In compliance with the Senate Appropriations Committee Report (100-380) on the FY 1989 Military Construction Appropriation Act, this exhibit includes construction projects in two separate categories: new mission and current mission. "New Mission" projects are projects that support deployment and beddown of new weapon systems, new program initiatives, and major mission expansions. "Current Mission" projects are projects that either replace inadequate existing facilities or construct new facilities which are not available to meet current requirements.

1. COMPONENT AIR FORCE	FY 2003 MILITARY CONSTRUCTION PROGRAM	2. DATE
INSTALLATION AND LOCATION PETERSON AIR FORCE BASE, COLORADO	COMMAND: AIR FORCE SPACE COMMAND	5. AREA CONST COST INDEX 1.06

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 01	1138	2018	2850	0	0	0	8	7	1	6,022
END FY 2005	1116	2011	2850	0	0	0	8	7	1	5,993

7. INVENTORY DATA ($000)		
Total Acreage:	1,278	
Inventory Total as of : (30 Sep 01)		253,631
Authorization Not Yet in Inventory:		56,977
Authorization Requested in this Program:		959
Authorization Included in the Following Program: (FY 2004)		0
Planned in Next Three Years Program:		0
Remaining Deficiency:		0
Grand Total:		311,574

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2003)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
721-142	Replace Family Housing	2 UN	959	Jun-01	Jul-02

9a. Future Projects: Included in the Following Program: None (FY 2004)

9b. Future Projects: Typical Planned Next Three Years: None (FY05-07)

9c. Real Propery Maintenance Backlog This Installation 7,852

10. Mission or Major Functions: Headquarters United States Space Command; Headquarters Air Foce Space Command; Headquarters North American Air Defense Command; a space wing with C-21 aircraft; ahe Air Force Material Command Space Systems Support Group

DD Form 1390, 24 Jul 00

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
PETERSON AIR FORCE BASE, COLORADO	CONSTRUCT FAMILY HOUSING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
8.87.41	711-142	TDKA 03-402 1	$959

9. COST ESTIMATES

ITEM	U/M	QUANTITY	JNIT COST	COST ($000)
MILITARY FAMILY HOUSING	UN	2	284.500	569
4TTACHED 2-CAR GARAGES	UN	2	12.000	24
SUPPORTING FACILITIES				271
SPECIAL CONSTRUCTION FEATURES	LS			(90)
SITE IMPROVEMENTS & LANDSCAPING	LS			(50)
UTILITIES	LS			(53)
STREETS	LS			(66)
COMMUNICATION / ALARM SYSTEM	LS			(12)
SUBTOTAL				864
CONTINGENCY (5%)				43
TOTAL CONTRACT COST				907
SUPERVISION. INSPECTION AND OVERHEAD (5.7%)				52
TOTAL REQUEST				959
4REA COST FACTOR: 1.06				

10. DESCRIPTION ON PROPOSED CONSTRUCTION: Construct two General fficer Quarters (GOQ) Special Command Position single family housing units with all necessary amenities and supporting facilities. Project includes site preparation, attached garages, air conditioning, parking, exterior patios and privacy fencing, support infrastructure of roads and utilities, and landscaping.

Paygrade	Bedroom	NSF	GSF	GSM	Project $ per GSM Factor	GSM	No Units	Total ($000)
O-10 SCP	4	2,955	3,664	341	1.14	732	2	569

Maximum Size: O-IO Special Command Position (SCP) (3270NSF/4060 GSF)

11. REQUIREMENT: 3,145 UN ADEQUATE: 2,855 UN SUBSTANDARD: 290 UN

PROJECT: Construct Military Family Housing (Current Mission)

REQUIREMENT: Project supports the Secretary of Defense directive to source a four-star billet for the Commander of Air Force Space Command (AFSPC), and provides a new house for CINC USSPACE/NORAD that meets standards for a Special Command Position (SCP) GOQ. Units will meet modem housing standards and are programmed in accordance with the Air Force GOQ Master Plan. The design will provide a modem kitchen, living room, family room, bedroom and bath configuration, with interior and exterior storage. Units will have a garage and exterior parking in accordance with current SCP standards. Special construction features are required for a SCP in order to support the responsibilities as representatives of U.S. interests in official and social entertainment activities. Features include brick veneer to match local architectural standards, commercial-grade carpeting, wall-covering, and flooring; higher-capacity heating and cooling systems; higher grade kitchen cabinets and countertops; commercial-grade built-in appliances, formal dining room; and powder room separate from the private living quarters. Base standards meet Air Force GOQ standards.

1. COMPONENT AIR FORCE	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

PETERSON AIR FORCE BASE, COLORADO

4. PROJECT TITLE	5. PROJECT NUMBER
CONSTRUCT FAMILY HOUSING	TDKA 03-402 1

CURRENT SITUATION: The positions of CINC USSPACE/NORAD and AFSPC/CC are currently filled by the same general officer. The Space Commission Report, accepted by the Secretary of Defense, recommended that the two commands be commanded by separate 4-star general officers, resulting in two 4-star general officer billets at Peterson AFB. Adequate on-base housing for two 4-star generals is not currently available. The existing military family housing unit for the combined position does not provide adequate entertainment/support space for a SCP per AF Family Housing Guide and Air Force GOQ Standards. Upgrading this unit to meet requirements for a SCP is 92% of the replacement cost. Upgrading a different GOQ to meet requirements for a SCP is 86% of the replacement cost. This project will construct two GOQ units that meet current standards for Special Command Positions

IMPACT IF NOT PROVIDED: The new commander of USSPACE/NORAD will be forced to live in an undersized unit inappropriate for a commander in a Special Command Position. The commander of Air Force Space Command will be forced to live in a substandard house that does not meet the basic needs of a Special Command Position. Failure to construct these housing units negatively impacts the quality of life, morale, and the commander's ability to exercise his responsibilities.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, Facility Planning and Design Guide. The scope of this project will not have an impact on the local school population. Economic analysis is not required for this project. The Army Corps of Engineers was used to determine SIOH for this project. Base Civil Engineer: Lt Col William Valenti, (719) 556-7633.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	
PETERSON AIR FORCE BASE, COLORADO	
4. PROJECT TITLE	5. PROJECT NUMBER
CONSTRUCT FAMILY HOUSING	TDKA 03-402 1

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

Design/Build

(1) Status:	
(a) Date Design Started	01 Sep20
(b) Parametric Cost Estimate used to develop costs	N
(c) Percent Complete as of Jan 2002	35
(d) Date 35% Designed	01 Dec 23
(e) Date Design Complete	02 Apr 10
(f) Energy Study/Life-Cycle analysis was performed;	
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where design was most recently used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($45)
(a) Production of Plans and Specifications	45
(b) All other Design Costs	0
(c) Total	45
(d) Contract	45
(e) In-house	
(4) Construction Start	03 Feb
(5) Construction Completion	04 Jun

). Equipment associated with this project will be provided from other appropriations: N/A

MILITARY FAMILY HOUSING JUSTIFICATION	1. DATE OF REPORT Feb-00	2. FISCAL YEAR	REPORT CONTROL SYMBOL DD-A&L(AR)1716
3. DOD COMPONENT AIR FORCE	4. REPORTING INSTALLATION a. NAME PETERSON AFB	b. LOCATION COLORADO	
5. DATA AS OF 1999			

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT OFFICER (a)	CURRENT E9-E7 (b)	CURRENT E6-E1 (c)	CURRENT TOTAL (d)	PROJECTED OFFICER (e)	PROJECTED E9-E7 (f)	PROJECTED E6-E1 (g)	PROJECTED TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	1,501	735	2,967	5,203	1,485	689	2,445	4,619
7. PERMANENT PARTY PERSONNEL	1,501	735	2,967	5,203	1,485	689	2,445	4.619
8. GROSS FAMILY HOUSING REQUIREMENTS	1,244	642	1,645	3,731	1,233	602	1,529	3,364
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	0	0	0	0				
a. INVOLUNTARILY SEPARATED	0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	0	0	0	0				
c. UNACCEPTABLE HOUSED IN COMMUNITY	0	0	0	0				
0. VOLUNTARY SEPARATIONS	63	27	161	251	63	25	131	219
1. EFFECTIVE HOUSING REQUIREMENTS	1.181	615	1,684	3,480	1,170	577	1,398	3,145
2. HOUSING ASSETS (a + b)	1,168	592	1,666	3,424	1,166	537	1.372	3.665
a. UNDER MILITARY CONTROL	107	66	318	491	107	53	331	491
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED	107	66	318	491	107	53	331	491
(2) UNDER CONTRACT/APPROVED					0	0	0	0
(3) VACANT	0	0	0	0				
(4) INACTIVE	0	0	0	0				
b. PRIVATE HOUSING	1,059	528	1,348	2,933	1,049	484	1,041	2,574
(1) ACCEPTABLY HOUSED	1,059	526	1,348	2,933				
(2)ACCEPTABLEVACANTRENTAL	0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT	15	23	18	56	14	40	26	80
14. PROPOSED PROJECT					2	0	0	2

15. REMARKS

DD FORM 1523, NOV 90

1. COMPONENT AIR FORCE	FY 2003 MILITARY CONSTRUCTION PROGRAM	2. DATE

INSTALLATION AND LOCATION	COMMAND:	5. AREA CONST COST INDEX
OSAN AIR BASE, KOREA	PACIFIC AIR FORCES	1.12

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 01	551	4493	982	0	0	0	1084	4838	595	12,543
END FY 2005	552	4489	977	0	0	0	1084	4838	595	12,535

7. INVENTORY DATA ($000)

Total Acreage:	1,777	
Inventory Total as of: (30 Sep 01)		401,219
Authorization Not Yet in Inventory:		43,746
Authorization Requested in this Program:		35,705
Authorization Included in the Following Program:	(FY 2004)	38,383
Planned in Next Three Years Program:		39,224
Remaining Deficiency:		0
Grand Total:		558,277

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2003)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
721-142	Replace Family Housing	113 UN	35,705	Jun-01	Jul-02

9a. Future Projects: Included in the Following Program (FY 2004)

721-142	Replace Family Housing	111 UN	38,383

9b. Future Projects: Typical Planned Next Three Years: (FY05-07)

721-142	Replace Family Housing	117 UN	39,224

9c. Real Propery Maintenance Backlog This Installation 76,971

10. Mission or Major Functions: Host fighter wing supporting F-16 squadron and an A/OA-10 squadron; headquarters Seventh Air Force; a special operations squadron with MH-53J aircraft; a civil engineering heavy repair squadron (RED HORSE); an air mobility support squadron; an Air Combat Command reconnaissance squadron; and an Air Intelligence Agency intelligence squadron.

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1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
OSAN AIR BASE, KOREA	CONSTRUCT FAMILY HOUSING PHASE 1

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
88741	71 I-142	SMYU0040 19R2	35,705

9. COST ESTIMATE

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MILITARY FAMILY HOUSING	UN	113	126,717	14,319
SUPPORTING FACILITIES	LS			17,611
SITE IMPROVEMENTS	LS			(2,941)
UTILITIES	LS			(1,104)
STREETS	LS			(1,479)
FORCE PROTECTION - HIGH-RISE	LS			(9,837)
DEMOLITION & ASBESTOS REMOVAL	LS			(2,250)
SUBTOTAL				3 1,930
CONTINGENCY (5%)				1,596
TOTAL CONTRACT COST				33,526
SUPERVISION INSPECTION AND OVERHEAD (6.5%)				2,179
TOTAL REQUEST				35,705
FCF = 1,265 Won				
AREA COST FACTOR 1.12				

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Construct 113 housing units to include one GOQ. Includes demolition, site clearing, replacement/upgrade of utility systems, roads, and construction of one single unit and high-rise tower. Provides normal amenities to include parking, air conditioning, exterior patios and privacy fencing, neighborhood playgrounds, and recreation areas. Includes demolition, asbestos and lead-based paint removal.

Paygrade	Bedroom	NSF	GSF	GSM	Project Factor	Cost Per GSM	No Units	($000) Total
E1-E6/O1-O3	2	1,081	1,340	124	1.120	732	48	4,819
E7-E9/O1-O3	3	1,500	1,860	172	1.120	732	30	4,179
EI-E6	4	1,573	1,950	181	1.120	732	16	2,345
04-05	3	1,629	2,200	187	1.120	732	18	2,726
07	4	2,686	3,330	309	1.120	732	1	250
							113	14,319

Maximum size: E1-E6/O1-O3 - 2 Bedroom (1210 NSF/l500 GSF); E7-E9/O1-O3 - 3 Bedroom (1650 NSF/2050 GSF)
E l-E6 - 4 Bedroom (1790 NSF/2220 GSF); 04-05 - 3 Bedroom (1850 NSF/2300 GSF)
07 - 4 Bedroom (3270 NSF/4060 GSF)

11. **Requirement: 350 UN ADEQUATE: 10 UN SUBSTANDARD: 340 UN**

PROJECT: Construct-Military Family Housing, Phase 1 (Current Mission).

REQUIREMENT: This project is required to provide modem and efficient housing for the 7 AF/CC and military nembers and their dependents stationed at Osan AB. All units will meet whole house standards and are programmed in accordance with the Family Housing Master Plan. The housing will provide a safe, comfortable and appealing living environment. The design will provide a modem kitchen, living and family rooms, bedroom and bath configuration, with ample interior and exterior storage. The number of bedrooms will range from two to four as identified in the most recent housing market analysis. Units will be provided with limited parking space and a few guest parking spaces will be provided. The basic neighborhood support infrastructure will be upgraded to meet modem housing needs.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

OSAN AIR BASE, KOREA

4. PROJECT TITLE	5. PROJECT NUMBER
CONSTRUCT FAMILY HOUSING PHASE 1	SMYU0040 19R2

CURRENT SITUATION: This project replaces one GOQ and 75 leased housing units near Osan AB and provides 37 new units. Because of force protection considerations, specifically, standoff distances and construction standards, the local community is not a source of adequate housing. Most off-base quarters are inadequate with substandard utilities, non-potable water, and a dangerous heating system. Housing that has been determined to be adequate far exceeds basic allowance for housing, while the affordable housing does not meet minimum adequacy standards. The shortage of adequate housing causes a low acceptance rate of personnel who are offered accompanied assignments on the Command Sponsored Priority List which are identified for critical positions that require continuity and provides stability. The existing GOQ building is a quonset type structure constructed in 1953 and has undergone numerous additions, modifications, and repairs over the last 40 years. The last major structural repairs occurred in 1987 when the roof was replaced with modem trusses and Korean cement tiles. Due to the workmanship, complex design, and heavy roof loads, the structural integrity of the building is now questionable. The roof is sagging in several places and structural cracks are appearing in rooms in the home. A recent structural analysis said "Trusses and rafters are overstressed to as much as 100% to 200%. The room sizes are inadequate, the low ceiling height (7' in most areas) detracts from the spaciousness of the home. The bathrooms and kitchen have been partially upgraded but the cabinets and fixtures are mismatched and unattractive. The water and sewer service laterals have exceeded their useful lives..

IMPACT IF NOT PROVIDED: Military members and their families will continue to live in outdated, unsuitable and unsatisfactory housing. The cost of leased housing continues to increase at an unacceptable pace. Personnel will be exposed to health and security risks affecting the overall quality of life and the future retention of personnel assigned to the base. The original quonset hut construction of the GOQ presents significant challenges to in-house maintenance personnel and limits the ability to upgrade and improve the unit. Without this replacement project, the units will continue to deteriorate, particularly with the current GOQ roof. Critical maintenance dollars will continue to be diverted from other much-needed projects.

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 alternatives of new construction, leasing and status quo. Since this is mostly replacement housing, no school construction will be required. This project has been coordinated with the installation physical security plan, and all required physical security and/or combating terrorism measures are included. The possibility of Host Nation funding for this project has been addressed, but sufficient funds from the Host Nation program is not available to support this requirement. The construction agent for this project is the Army Corps of Engineers resulting in 6.5% SIOH costs. Base Civil Engineer: Lt Col. Michael W. Hutchison. 01 I-82-31-661-4312.

FOREIGN CURRENCY: FCF budget Rate Used: WON 1265

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

OSAN AIR BASE, KOREA

4. PROJECT TITLE	5. PROJECT NUMBER
CONSTRUCT FAMILY HOUSING, PHASE 1	SMYU0040 19R2

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:	Design/Build
(1) Status:	
(a) Date Design Started	01 Aug 25
(b) Parametric Cost Estimate used to develop costs	N
(c) Percent Complete as of Jan 2002	35
(d) Date 35% Designed	01 Dec20
(e) Date Design Complete	02 May 25
(f) Energy Study/Life-Cycle analysis was performed;	
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where design was most recently used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($1,500)
(a) Production of Plans and Specifications	1,500
(b) All other Design Costs	0
(c) Total	1,500
(d) Contract	1,500
(e) In-house	
(4) Construction Start	03 Apr
(5) Construction Completion	04Jul

b. Equipment associated with this project will be provided from other appropriations: N/A

MILITARY FAMILY HOUSING JUSTIFICATION	1. DATE OF REPORT Sep-00	2. FISCAL YEAR	REPORT CONTROL SYMBOL DD-A&L(AR)1716
3. DOD COMPONENT AIR FORCE	4. REPORTING INSTALLATION		
5. DATA AS OF 2000	a. NAME OSAN AB Phase 1	b. LOCATION KOREA	

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT OFFICER (a)	CURRENT E9-E7 (b)	CURRENT E6-E1 (c)	CURRENT TOTAL (d)	PROJECTED OFFICER (e)	PROJECTED E9-E7 (f)	PROJECTED E6-E1 (g)	PROJECTED TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	202	93	51	346	203	92	55	350
7. PERMANENT PARTY PERSONNEL	202	93	51	346	203	92	55	350
8. GROSS FAMILY HOUSING REQUIREMENTS	202	93	51	346	203	92	55	350
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	0	0	0	0				
a. INVOLUNTARILY SEPARATED	0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	0	0	0	0				
c. UNACCEPTABLE HOUSED IN COMMUNITY	0	0	0	0				
10. VOLUNTARY SEPARATIONS	0	0	0	0	0	0	0	0
11. EFFECTIVE HOUSING REQUIREMENTS	206	93	51	350	203	92	55	350
12. HOUSING ASSETS (a + b)	166	73	46	285	11	0	0	11
a. UNDER MILITARY CONTROL	166	73	46	285	11	0	0	11
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED	166	73	46	285	11	0	0	11
(2) UNDER CONTRACT/APPROVED					0	0	0	0
(3) VACANT	0	0	0	0				
(4) INACTIVE	0	0	0	0				
b. PRIVATE HOUSING	0	0	0	0	0	0	0	0
(1) ACCEPTABLY HOUSED	0	0	0	0				
(2) ACCEPTABLE VACANT RENTAL	0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT	40	20	5	65	192	92	55	339
14. PROPOSED PROJECT					69	16	28	113

15. REMARKS

Force protection requires members be housed on base.
Item 12.a.(1): Existing off-base leased units will be replaced with on-base facilities. Only 11 units are currently on base.
Item 13: A phased program will provide for the deficit of 65 units replace off base leases.
Item 14: Current project provides phase 1, a 112 units high rise building, and one GOQ.

DD FORM 1523, NOV 90

1. COMPONENT AIR FORCE	FY 2003 MILITARY CONSTRUCTION PROGRAM	2. DATE

INSTALLATION AND LOCATION	COMMAND:	15. AREA CONST
LUKE AIR FORCE BASE, ARIZONA	AIR EDUCATION AND TRAINING COMMAND	COST INDEX 0.98

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 01	647	5039	1147				1	40	140	7,014
END FY 2005	583	4439	1070				1	40	140	6,273

7. INVENTORY DATA ($000)

Total Acreage:	7,249	
Inventory Total as of : (30 Sep 01)		264,806
Authorization Not Yet in Inventory:		0
Authorization Requested in this Program:		18,954
Authorization Included in the Following Program:	(FY 2004)	13,211
Planned in Next Three Years Program:		24,554
Remaining Deficiency:		0
Grand Total:		321,525

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2003)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
711-142	Replace Family Housing	140 UN	18,954	Jun-01	Jul-02

9a. Future Projects: Included in the Following Program: (FY2004)

	Replace Family Housing	95 UN	13,211

9b. Future Projects: Typical Planned Next Three Years: (FY05-07)

711-142	Replace Family Housing	62 UN	8,300
711-142	Replace Family Housing	114 UN	16,254

9c. Real Propery Maintenance Backlog This Installation 25,526

10. Mission or Major Functions: A fighter wing with six F-16 squadrons responsible for training all F-16 aircrews; an F-16 fighter training squadron that conducts training for Singapore Air Force aircrews; an Air Commbat Command air control squadron; and an Air Force Reserve fighter group with one F-16 squadron.

DD Form 1390, 24 Jul 00

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
LURE AIR FORCE BASE, ARIZONA	REPLACE FAMILY HOUSING PHASE 2

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
88741	711-142	NUEX004007	18,954

9. COST ESTIMATE

ITEM	U/M	QUANTITY	UNIT ,COST	COST ($000)
MILITARY FAMILY HOUSING	UN	140	118,914	16,648
SUPPORTING FACILITIES				430
SITE IMPROVEMENTS	LS			(125)
UTILITIES	LS			(175)
STREETS	LS			(110)
RECREATION	LS			(20)
DEMOLITION	LS			17,078
SUBTOTAL				854
CONTINGENCY (5%)				17,932
TOTAL CONTRACT COST				1,022
SUPERVISION INSPECTION AND OVERHEAD (5.7%)				18,954
TOTAL REQUEST				
AREA COST FACTOR **0.98**				

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Demolish 110 units and replace 140 units with housing that is commensurate with local standards. Each unit will include all amenities identified in the Housing Community Plan (HCP). Project to include site development and preparation, energy conservation, landscaping, supporting infrastructure, and all of the requirements identified in the HCP.

Paygrade	Bedroom	NSF	GSF	GSM	Project Factor	Cost Per GSM	No Units	($000) Total
EI-E6	2	1,081	1,340	124	0.980	732	10	890
EI-E6	3	1,315	1,630	150	0.980	732	46	4,982
EI-E6	4	1,570	1,950	181	0.980	732	14	1,818
E7-E9/W1-O3	3	1,500	1,860	172	0.980	732	54	6,663
E7-E9/W1-O3	4	1,734	2,150	200	0.980	732	16	2.295
							140	16,648

Maximum size: E1-E6/2 Bedroom (1210 NSF/1500 GSF)
E1-E6/3 Bedroom (1420 NSF/1760 GSF); El-E-6/4 Bedroom (1790 NSF/2220 GSF)
E7-E9/W1-O3 - 3 Bedroom (1650 NSF/2050 GSF); E7-E9/W l-03 - 4 Bedroom (2020 NSF/2500 GSF)

11. Requirement: 3,341 UN ADEQUATE: 2,673 UN SUBSTANDARD: 668 UN

PROJECT: Replace-Military Family Housing Phase 2 (Current Mission).

REQUIREMENT: Phase 2 project is required to provide modem and efficient housing for military members and their Families stationed at Luke AFB. The housing units must be replaced to meet current Air Force standards and to provide a comfortable and appealing living environment comparable to off-base communities. Replacement housing will provide modem kitchens, living rooms, family rooms, bedrooms, and bathrooms, with ample interior and exterior storage. Garages and 2-car driveways will be provided. Neighborhood enhancements will include landscaping, playgrounds, and recreation areas needed to create a comfortable, safe, and inviting living environment.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

LURE AIR FORCE BASE, ARIZONA

4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE FAMILY HOUSING, PHASE 2	NUEX004007

CURRENT SITUATION: Currently, Luke residents are living in 40+ year-old housing units. These 1960 houses require major renovations and repairs to correct deterioration resulting from age and heavy use. These houses have not had a major upgrade since construction and do not meet current AF standards. The bedrooms are small and lack adequate closet space. The bathrooms are small and the fixtures are outdated and energy inefficient. The kitchens do not provide adequate food preparation space or dining arrangements. Roofs, walls, foundations and exterior pavements require major repair or replacement. The utility system has deteriorated. All units require a patio with roof due to the harsh and lengthy hot season in Arizona. Xeriscaping is needed for all units.

IMPACT IF NOT PROVIDED: The present housing units are substandard and will continue to have a significant impact on the quality of life for Luke personnel and their families.

ADDITIONAL: This project meets the criteria/scope specified in Part II of the Military Handbook 1190 "Facility Planning and Design Guide." An economic analysis will be prepared comparing the alternatives of new construction and status quo operations. The average cost to improve these housing units are 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 districts to support base dependents. The Army Corps of Engineers is the construction agent for this project resulting in 5.7% SIOH costs. Base Civil Engineer: Lt Col John Lohr, (623) 856-6135..

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

LURE AIR FORCE BASE, ARIZONA

4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE FAMILY HOUSING, PHASE 2	NUEX004007

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:	Design/Build
(1) Status:	
(a) Date Design Started	01 Aug 10
(b) Parametric Cost Estimate used to develop costs	N
(c) Percent Complete as of Jan 2002	35
(d) Date 35% Designed	01 Dec 10
(e) Date Design Complete	02 May 10
(f) Energy Study/Life-Cycle analysis was performed;	
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where design was most recently used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($800)
(a) Production of Plans and Specifications	800
(b) All other Design Costs	0
(c) Total	800
(d) Contract	800
(e) In-house	
(4) Construction Start	03Mar
(5) Construction Completion	04Jun

b. Equipment associated with this project will be provided from other appropriations: N/A

MILITARY FAMILY HOUSING JUSTIFICATION	1. DATE OF REPORT Jul-01	2. FISCAL YEAR	REPORT CONTROL SYMBOL DD-A&L(AR)1716
3. DOD COMPONENT AIR FORCE	4. REPORTING INSTALLATION a. NAME LUKE AFB Phase 2	b. LOCATION ARIZONA	
5. DATA AS OF 2000			

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OFFICER (a)	E9-E7 (b)	E6-E1 (c)	TOTAL (d)	OFFICER (e)	E9-E7 (f)	E6-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	629	518	4,705	5,852	558	499	4,418	5,475
7. PERMANENT PARTY PERSONNEL	629	518	4,705	5,852	558	499	4,418	5,475
8. GROSS FAMILY HOUSING REQUIREMENTS	504	481	2,803	3,788	448	463	2,623	3,534
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	24	46	70	140				
a. INVOLUNTARILY SEPARATED	0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	24	46	70	140				
c. UNACCEPTABLE HOUSED IN COMMUNITY	0	0	0	0				
10. VOLUNTARY SEPARATIONS	7	40	156	203	7	39	147	193
11. EFFECTIVE HOUSING REQUIREMENTS	497	441	2,647	3,585	441	424	2,476	3,341
12. HOUSING ASSETS (a + b)	473	395	2,577	3,445	417	378	2,406	3,201
a. UNDER MILITARY CONTROL	71	47	616	734	71	47	616	734
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED	71	47	616	734	71	47	616	734
(2) UNDER CONTRACT/APPROVED					0	0	0	0
(3) VACANT	0	0	0	0				
(4) INACTIVE	0	0	0	0				
b. PRIVATE HOUSING	402	348	1,961	2,711	346	331	1,790	2,467
(1) ACCEPTABLY HOUSED	402	348	1,961	2,711				
(2) ACCEPTABLE VACANT RENTAL	0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT	24	46	70	140	24	46	70	140
14. PROPOSED PROJECT					24	46	70	140

15. REMARKS

Item 12.a.(1): 668 on-base units are inadequate.

DD FORM 1523, NOV 90

1. COMPONENT AIR FORCE	FY 2003 MILITARY CONSTRUCTION PROGRAM	2. DATE

INSTALLATION AND LOCATION	COMMAND:	5. AREA CONST COST INDEX
TRAVIS AIR FORCE BASE, CALIFORNIA	AIR MOBILITY COMMAND	1.24

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 01	1233	5665	1482				13	328	169	8,890
END FY 2005	1235	5505	1484				13	328	169	8,734

7. INVENTORY DATA ($000)

Total Acreage:	453,594	
Inventory Total as of : (30 Sep 01)		3,800,352
Authorization Not Yet in Inventory:		0
Authorization Requested in this Program:		24,320
Authorization Included in the Following Program:	(FY 2004)	24,659
Planned in Next Three Years Program:		51,769
Remaining Deficiency:		0
Grand Total:		3,901,100

13. PROJECTS REQUESTED IN THIS PROGRAM: (FY2003)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
711-142	Replace Family Housing	110 UN	24,320	Jun-01	Jul-02

9a. Future Projects: Included in the Following Program: (FY 2004)

711-142	Replace Family Housing	104 UN	24,659

9b. Future Projects: Typical Planned Next Three Years: (FY05-07)

711-142	Replace Family Housing	97 UN	25,607
711-142	Replace Family Housing	96 UN	26,162

9c. Real Propery Maintenance Backlog This Installation 117,212

squadrons and two KC-1 0 squadrons; an Air Force Reserve Command associate air mobility wing; a major Air Force medical center.

DD Form 1390, 24 Jul 00

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
TRAVIS AIR FORCE BASE, CALIFORNIA	REPLACE FAMILY HOUSING PHASE 3

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
88741	711-142	XDAT034050P3	24,320

9. COST ESTIMATE

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MILITARY FAMILY HOUSING	UN	110	153,600	16,896
SUPPORTING FACILITIES	LS			**4,954**
SITE IMPROVEMENTS	LS			(800)
UTILITIES	LS			(1,234)
STREETS	LS			(675)
LANDSCAPING	LS			(627)
RECREATION	LS			(403)
DEMOLITION & ASBESTOS REMOVAL	LS			(920)
OTHER	LS			(295)
SUBTOTAL				21,850
CONTINGENCY (5%)				1,093
TOTAL CONTRACT COST				**22,943**
SUPERVISION INSPECTION AND OVERHEAD (6.0%)				1,377
TOTAL REQUEST				**24,320**
AREA COST FACTOR 1.24				

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Replace 110 housing units. Includes site preparation, utilities, curbs, gutters and driveways, new housing units and landscaping. Also includes demolition and abatement of existing units. Amenities include heating/ventilating, air conditioning, garages, carpeting, appliances, patios, and privacy fences.

Paygrade	Bedroom	NSF	GSF	GSM	Project Factor	Cost Per GSM	No Units	($000) Total
EI-E6	3	1,315	1,630	151	1.240	732	20	2,742
E7-E9/W1-O3	3	1,500	1,860	172	1.240	732	86	13,427
E7-E9/W1-O3	4	1,734	2,150	200	1.240	732	4	727
							110	16,896

Maximum size: El-E6 - 3 Bedroom (1420 NSF/1760 GSF), E7-E9/W1-O - 3 Bedroom (1650 NSF12050 GSF)
E7-E9/W1-O3 - 4 Bedroom (2020 NSF/2500 GSF)

II. Requirement: 4,095 UN ADEQUATE: 2,712 UN SUBSTANDARD: 1,383 UN

PROJECT: Replace-Military Family Housing, Phase 3 (Current Mission).

REQUIREMENT: Project will provide modem and efficient housing for military members and their families. All units will meet "whole house/whole neighborhood" standards and will provide a comfortable, safe, and appealing living environment comparable to the off-base civilian community.

CURRENT SITUATION: This project replaces houses constructed in the 1950s. These single family homes are undersized and in deteriorating structural condition. The garages are so small they are not usable as garages, there are no family rooms for the 3 bedroom units, and the overall home area is undersized. The concrete slab-on-grade floors are failing, cracking, and shifting. Many units flood because the floor slab is too low. The buildings are located so close to the street that it has not been possible to install sidewalks. A car parked in the asphalt driveway would project over half the sidewalk.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

TRAVIS AIR FORCE BASE, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE FAMILY HOUSING, PHASE 3	XDAT034050P3

These units have had no major upgrades since construction and they do not meet the needs of today's families. Plumbing and electrical systems are antiquated. Interior finishes consist of vinyl/asbestos tiles that have been repeatedly patched due to slab movement. Most units have at least 3 colors of floor tile. The kitchen and cabinets are old, unsightly, and undersized. The sinks and countertops are worn and were done in an early 70's color scheme. Lighting throughout the house is inadequate and the fixtures are old. There are no ground fault interrupter circuits. Cooling is by means of a "swamp cooler" which is a constant maintenance problem. Furnaces are 22 years old and beginning to fail. Patios are cracked and privacy fencing (where it still stands) is inadequate. Landscaping is very sparse and no longer attractive.

IMPACT IF NOT PROVIDED: Air Force members and their families will be housed in unsatisfactory facilities, which will contribute to lowered morale. Housing stock will continue to deteriorate without capital improvements. Without this project the repair and improvement of these units will occur in a more costly, piecemeal fashion with little overall improvement to the quality of living.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Mil Handbook 1190, Facility Planning and Design Guide. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and the status quo option. New construction was found to be the most economical over the life of the units. Replacement costs are based on a current construction contract replacing similar units at Travis AFB. The cost to improve is 83% of the replacement costs. The construction agent for this project will be the Naval Facilities Engineering Command, resulting in SIOH costs of 6%.

BASE CIVIL ENGINEER: Lt Col Mark A. Correll, (707) 424-2492

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

TRAVIS AIR FORCE BASE, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE FAMILY HOUSING, PHASE 3	XDAT034050P3

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:	Design/Build
(1) Status:	
(a) Date Design Started	01 Aug 10
(b) Parametric Cost Estimate used to develop costs	N
(c) Percent Complete as of Jan 2002	35
(d) Date 35% Designed	01 Dec 10
(e) Date Design Complete	02 May 10
(f) Energy Study/Life-Cycle analysis was performed;	
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where design was most recently used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($970)
(a) Production of Plans and Specifications	970
(b) All other Design Costs	0
(c) Total	970
(d) Contract	970
(e) In-house	
(4) Construction Start	03Mar
(5) Construction Completion	04Jun

b. Equipment associated with this project will be provided from other appropriations: N/A

MILITARY FAMILY HOUSING JUSTIFICATION	1. DATE OF REPORT Ott-00	2. FISCAL YEAR	REPORT CONTROL SYMBOL DD-A&L(AR)1716
3. DOD COMPONENT AIR FORCE	4. REPORTING INSTALLATION		
5. DATA AS OF 2000	a. NAME TRAVIS AFB Phase 3	b. LOCATION CALIFORNIA	

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT OFFICER (a)	CURRENT E9-E7 (b)	CURRENT E6-E1 (c)	CURRENT TOTAL (d)	PROJECTED OFFICER (e)	PROJECTED E9-E7 (f)	PROJECTED E6-E1 (g)	PROJECTED TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	1,299	679	5,516	7,494	1,300	488	5,374	7,162
7. PERMANENT PARTY PERSONNEL	1,299	679	5,516	7,494	1,300	488	5,374	7,162
8. GROSS FAMILY HOUSING REQUIREMENTS	875	593	3,029	4,497	877	424	2,952	4,253
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	60	30	20	110				
a. INVOLUNTARILY SEPARATED	0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	60	30	20	110				
c. UNACCEPTABLE HOUSED IN COMMUNITY	0	0	0	0				
10. VOLUNTARY SEPARATIONS	22	30	118	170	22	19	117	158
11. EFFECTIVE HOUSING REQUIREMENTS	853	563	2,911	4,327	855	405	2,835	4,095
12. HOUSING ASSETS (a + b)	793	533	2,891	4,217	795	375	2,815	3,985
a. UNDER MILITARY CONTROL	202	192	2,232	2,626	202	192	2,232	2,626
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED	202	192	2,232	2,626	202	192	2,232	2,626
(2) UNDER CONTRACT/APPROVED					0	0	0	0
(3) VACANT	0	0	0	0				
(4) INACTIVE	0	0	0	0				
b. PRIVATE HOUSING	591	341	659	1,591	593	183	583	1,359
(1) ACCEPTABLY HOUSED	591	341	659	1,591				
(2) ACCEPTABLE VACANT RENTAL	0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT	60	30	20	110	60	30	20	110
14. PROPOSED PROJECT					60	30	20	110

15. REMARKS

Item 12.a.(1): 1383 on-base units are inadequate.

DD FORM 1523, NOV 90

1. COMPONENT AIR FORCE	FY 2003 MILITARY CONSTRUCTION PROGRAM	2. DATE

INSTALLATION AND LOCATION	COMMAND:	5. AREA CONST COST INDEX
USAF ACADEMY, COLORADO	UNITED STATES AIR FORCE ACADEMY	1.03

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 SEP 01	929	1011	2483	0	182	0	21	4000	190	8,81
END FY 2005	902	872	2223	0	182	0	21	4000	190	8,39

7. INVENTORY DATA ($000)

Total Acreage:	53,276		
Inventory Total as of : (30 Sep 01)			429,54
Authorization Not Yet in Inventory:			20,64
Authorization Requested in this Program:			12.42
Authorization Included in the Following Program:		(FY 2004)	9,13
Planned in Next Three Years Program:			32,73
Remaining Deficiency:			
Grand Total:			504,48

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2003)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
711-142	Replace Family Housing	71 UN	12,424	Jun-01	Jul-0:

3a. Future Projects: Included in the Following Program: (FY 2004)

71 l-142	Replace Family Housing	53 UN	9,133

3b. Future Projects: Typical Planned Next Three Years: (FY05-07)

III-142	Replace Family Housing	78 UN	13,452
III-142	Replace Family Housing	113 UN	19,188

9c. Real Propery Maintenance Backlog This Installation 115,88(

10. Mission or Major Functions: Responsible for providing education and training for cadets to become Air Force officers; a training wing including three flying training squadrons supporting parachuting and glider aircraft; and an air base wing.

DD Form 1390, 24 Jul 00

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
USAF ACADEMY, COLORADO	REPLACE FAMILY HOUSING PHASE 1

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
88741	711-142	XQPZ037225	12,424

9. COST ESTIMATE

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MILITARY FAMILY HOUSING	UN	71	125,014	8,876
SUPPORTING FACILITIES	LS			2,339
SITE IMPROVEMENTS	LS			(1,236)
UTILITIES	LS			(1,103)
SUBTOTAL				11,215
CONTINGENCY (5%)				561
TOTAL CONTRACT COST				11,776
SUPERVISION INSPECTION AND OVERHEAD (5.5%)				648
TOTAL REQUEST				12,424
AREA COST FACTOR 1.03				

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Replace 7 1 housing units. Includes demolition, site clearing, replacement/upgrade of utility systems and roads, and construction of new single and duplex units. Provides normal amenities including parking, exterior patios, privacy fencing, and neighborhood recreation areas. Some lead based paint and asbestos removal is necessary.

Paygrade	Bedroom	NSF	GSF	GSM	Project Factor	Cost Per GSM	No Units	($000) Total
EI-E6	2	1,080	1,340	124	1.071	732	14	1,361
EI-E6	3	1,310	1,630	150	1.071	732	18	2,131
E7-E8/W1-O3	3	1,500	1,860	172	1.071	732	34	4,585
04-05	3	1,629	2,020	187	1.071	732	2	293
04-05	4	1,863	2,310	215	1.071	732	3	506
							71	8,876

Maximum size: E1-E6/2 Bedroom (1210 NSF/1500 GSF), E1-E6/3 Bedroom (1420 NSF/1760 GSF)
E7-E-8/W1-O3 - 3 Bedroom (1650 NSF/2050 GSF);E7-E8/W1-O3 - 4 Bedroom (2020 NSF/2500 GSF)
04-05 - 3 Bedroom (1850 NSF/2300 GSF); 04-05 - 4 Bedroom (2 180 NSF/2700 GSF)

II. Requirement: 1,634 UN ADEQUATE: 724 UN SUBSTANDARD: 910 UN

PROJECT: Replace-Military Family Housing Phase 1 (Current Mission).

REQUIREMENT: This project provides modem and efficient housing for members and families at the United States Air Force Academy. All units will meet whole house standards and are programmed in accordance with the Housing Community Plan. The new housing will provide amenities and space use similar to housing available in the off-base community. This is the first phase of the housing replacement plan for the Academy. The replacement housing will provide a modem kitchen, living areas, bedroom and bath configurations with ample interior and exterior storage and a single car garage. Exterior parking will be provided for a second occupant vehicle and guests. The basic neighborhood support infrastructure will be upgraded to meet modem housing needs. Other improvements such as trail systems, landscaping, and playgrounds will be addressed in other projects.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

USAF ACADEMY, COLORADO

4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE FAMILY HOUSING, PHASE 1	XQPZ037225

CURRENT SITUATION: This project replaces housing constructed in 1959. These houses are showing the effects of heavy use and age. They have not received major upgrades since construction and do not meet current housing needs. All house infrastructure systems require major repair or replacement due to their age and effects of an alpine environment. Insulation in all units is substandard. Basement leaks and foundation failures are common. The electrical and plumbing systems are substandard. The interior spaces and layout is not adequate by today's housing standards. Bedrooms and baths are small, outdated, lack adequate storage and are generally inefficiently laid out for proper space utilization. Some asbestos and lead based paint is present in the units. These substances have been adequately contained, but will have to be dealt with upon demolition of the unit. Many units lack Ground Fault Interrupter protection. The HVAC units are outdated and inefficient. Lighting is antiquated and inadequate in all units.

IMPACT IF NOT PROVIDED: Family housing will continue to deteriorate causing more expensive piecemeal repairs to occur. These repairs cost a significant amount of money without improving the quality of the living environment. Families will continue to live in substandard housing units because off-base affordable housing in increasingly difficult to define.

ADDITIONAL: This project meets the criteria/scope specified in Part II of the Military Handbook 1190 "Facility Planning and Design Guide." An economic analysis will be prepared comparing the alternatives of new construction and status quo operations. The 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 districts to support base dependents. Base Civil Engineer: Col Scott Borges, DSN 333-2660.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

USAF ACADEMY, COLORADO

4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE FAMILY HOUSING, PHASE 1	XQPZ037225

12. SUPPLEMENTAL DATA:

a. Estimated Design Data: Design/Build

(1) Status:	
(a) Date Design Started	01 Aug 10
(b) Parametric Cost Estimate used to develop costs	N
(c) Percent Complete as of Jan 2002	35
(d) Date 35% Designed	01 Dec 10
(e) Date Design Complete	02 May 10
(f) Energy Study/Life-Cycle analysis was performed;	
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where design was most recently used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($660)
(a) Production of Plans and Specifications	660
(b) All other Design Costs	0
(c) Total	660
(d) Contract	660
(e) In-house	
(4) Construction Start	03Mar
(5) Construction Completion	04Jun

b. Equipment associated with this project will be provided from other appropriations: N/A

MILITARY FAMILY HOUSING JUSTIFICATION	1. DATE OF REPORT Jan-96	2. FISCAL YEAR	REPORT CONTROL SYMBOL DD-A&L(AR)1716
3. DOD COMPONENT AIR FORCE	4. REPORTING INSTALLATION		
5. DATA AS OF 1996	a. NAME AF ACADEMY Phase 1	b. LOCATION COLORADO	

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT OFFICER (a)	CURRENT E9-E7 (b)	CURRENT E6-E1 (c)	CURRENT TOTAL (d)	PROJECTED OFFICER (e)	PROJECTED E9-E7 (f)	PROJECTED E6-E1 (g)	PROJECTED TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	1,077	192	920	2,169	1,073	189	913	2,175
7. PERMANENT PARTY PERSONNEL	1,077	192	920	2,189	1,073	189	913	2,176
B. GROSS FAMILY HOUSING REQUIREMENTS	863	170	612	1,645	860	166	608	1,634
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	37	2	32	71				
a. INVOLUNTARILY SEPARATED	0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	37	2	32	71				
c. UNACCEPTABLE HOUSED IN COMMUNITY	0	0	0	0				
0. VOLUNTARY SEPARATIONS	0	0	0	0	0	0	0	0
1. EFFECTIVE HOUSING REQUIREMENTS	863	170	612	1,645	860	166	608	1,634
2. HOUSING ASSETS (a + b)	822	262	500	1,584	820	260	495	1,575
a. UNDER MILITARY CONTROL	581	240	351	1,172	581	240	351	1,172
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED	581	240	351	1,172	581	240	351	1,172
(2) UNDER CONTRACT/APPROVED					0	0	0	0
(3) VACANT	0	0	0	0				
(4) INACTIVE	0	0	0	0				
b. PRIVATE HOUSING	241	22	149	412	239	20	144	403
(1) ACCEPTABLY HOUSED	241	22	149	412				
(2) ACCEPTABLE VACANT RENTAL	0	0	0	0				
3. EFFECTIVE HOUSING DEFICIT	41	(92)	112	61	40	(94)	113	59
4. PROPOSED PROJECT					37	2	32	71

5. REMARKS

Item 12.a.(1): 910 on-base units are inadequate.

DD FORM 1523, NOV 90

1. COMPONENT AIR FORCE	FY 2003 MILITARY CONSTRUCTION PROGRAM	2. DATE

INSTALLATION AND LOCATION	COMMAND:	5. AREA CONST COST INDEX
DOVER AIR FORCE BASE, DELAWARE	AIR MOBILITY COMMAND	1.01

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 01	375	3525	1101				66	227	15	5,309
END FY 2005	364	3294	1071				66	227	15	5,037

7. INVENTORY DATA ($000)

Total Acreage:	3,857	
Inventory Total as of : (30 Sep 01)		213,937
Authorization Not Yet in Inventory:		0
Authorization Requested in this Program:		19,615
Authorization Included in the Following Program:	(FY 2004)	19,888
Planned in Next Three Years Program:		41,385
Remaining Deficiency:		0
Grand Total:		294,825

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY2003)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
711-142	Replace Family Housing	112 UN	19,615	Jut-r-01	Jul-02

9a. Future Projects: Included in the Following Program: (FY 2004)

711-142	Replace Family Housing	112 UN	19,888

9b. Future Projects: Typical Planned Next Three Years: (FY05-07)

711-142	Replace Family Housing	112 UN	20,285
711-142	Replace Family Housing	112 UN	21,100

9c. Real Propery Maintenance Backlog This Installation 95,256

10. Mission and Major Functions: An airlift wing with two C-5 squadrons; and an Air Force Reserve C-5 associate airlift wing.

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1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
DOVER AIR FORCE BASE, DELAWARE	REPLACE FAMILY HOUSING, PH 2

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
88741	711-142	F. T 034003A	19,615

9. COSTE IMAT

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MILITARY FAMILY HOUSING	U N	112	119,402	13,373
SUPPORTING FACILITIES	LS			4,300
SITE IMPROVEMENTS	LS			(533)
UTILITIES	LS			(1,292)
STREETS	LS			(678)
LANDSCAPING	LS			(421)
DEMOLITION & ASBESTOS REMOVAL	LS			(1,376)
SUBTOTAL	LS			17,673
CONTINGENCY (5%)				884
TOTAL CONTRACT COST				18,557
SUPERVISION INSPECTION AND OVERHEAD (5.7%)				1,058
TOTAL REQUEST				19,615
AREA COST FACTOR 1.01				

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Rl lace 1 ! units (eight & bur unit row 1 mes) with all necessary amenities and supporting facilities. Project includes site preparation, attached car garages, air conditioning, parking, patios, privacy fencing, support infrastructure of streets and underground utilities and landscaping. Includes demolition and asbestos removal. 5% of the units constructed will be handicap adaptable.

Paygrade	Bedroom	NSF	GSF	GSM	Project Factor	Cost Per GSM	No Units	($000) Total
EI-E6	2	1,081	1,340	124	0.99	732	12	1,100
EI-E6	3	1,315	1,630	150	0.99	732	50	5,582
EI-E6	4	1,573	1,950	181	0.99	732	50	6,691
							112	13,373

Maximumsize: E1-E6/2 Bedroom (1210 NSF/1500 GSF), E1-E6/3 Bedroom (1420 NSF/1760 GSF)
El-E-6/4 Bedroom (1790 NSF/2220 GSF)

11. Requirement: 2,167 UN ADEQUATE: 1213 UN SUBSTANDARD: 954N

PROJECT: Replace-Military Family Housing Phase 2 (Current Mission).

REQUIREMENT: This project is required to provide modem and efficient housing for military members and their dependents stationed at Dover AFB. All units will meet modem housing standards and are programmed in accordance with the Housing Community Plan. The housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. The design will provide a modem kitchen, living room, family room bedroom and bath configuration with ample interior and exterior storage. 'Units will be provided with a single car garage and exterior parking for a second vehicle. Space will also be provided for an adequate support infrastructure of streets and utilities. This is the second phase of a multiphase initiative to replace inadequate row-unit complexes.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

DOVER AIR FORCE BASE, DELAWARE

4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE FAMILY HOUSING, PH2	FJXT 034003A

CURRENT SITUATION: These existing housing units were constructed in the late 1950s; they show the effects of age and heavy use. They have had no major upgrades since construction, and they do not meet the needs of today's families, nor do they provide a modem home environment. Walls, foundations and exterior pavements require major repair or replacement due to age. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency and safety. Interiors are generally inadequate by modem criteria. Bathrooms are small and lack adequate closet space; kitchens have insufficient cabinets, storage and counter space. Lighting, heating and air conditioning systems require upgrade or replacement.

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, "Facility 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, acquisition and status quo operation. Based on the net present value and benefits of the respective alternatives, replacement was found to be the most cost effective over the life of the project. The cost to improve these units is 80% of the replacement cost. The construction agent for this project will be the U. S. Army Corps of Engineers resulting in SIOH costs of 5.7%. Base Civil Engineer: Lt Col Nathan G. Macias, (302) 677-6768.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

DOVER AIR FORCE BASE, DELAWARE

4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE FAMILY HOUSING, PH2	FJXT034003A

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:	Design/Build
(1) Status:	
(a) Date Design Started	01 Aug 10
(b) Parametric Cost Estimate used to develop costs	N
(c) Percent Complete as of Jan 2002	35
(d) Date 35% Designed	01 Dec 10
(e) Date Design Complete	02 May 10
(f) Energy Study/Life-Cycle analysis was performed;	
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where design was most recently used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($785)
(a) Production of Plans and Specifications	785
(b) All other Design Costs	0
(c) Total	785
(d) Contract	785
(e) In-house	
(4) Construction Start	03Mar
(5) Construction Completion	04Jun

b. Equipment associated with this project will be provided from other appropriations: N/A

MILITARY FAMILY HOUSING JUSTIFICATION	1. DATE OF REPORT Jun-01	2. FISCAL YEAR	REPORT CONTROL SYMBOL DD-A&L(AR)1716
3. DOD COMPONENT AIR FORCE	4. REPORTING INSTALLATION		
5. DATA AS OF 2000	a. NAME DOVER AFB Phase 2	b. LOCATION DELAWARE	

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT OFFICER (a)	CURRENT E9-E7 (b)	CURRENT E6-E1 (c)	CURRENT TOTAL (d)	PROJECTED OFFICER (e)	PROJECTED E9-E7 (f)	PROJECTED E6-E1 (g)	PROJECTED TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	360	391	2,953	3,704	357	391	2,952	3,700
7. PERMANENT PARTY PERSONNEL	360	391	2,953	3,704	357	391	2,952	3,700
8. GROSS FAMILY HOUSING REQUIREMENTS	262	360	1,687	2,309	260	360	1,687	2,307
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	2	4	130	136				
a. INVOLUNTARILY SEPARATED	0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	2	4	130	136				
c. UNACCEPTABLE HOUSED IN COMMUNITY	0	0	0	0				
10. VOLUNTARY SEPARATIONS	1	29	110	140	1	29	110	140
11. EFFECTIVE HOUSING REQUIREMENTS	261	331	1,577	2,169	259	331	1,577	2,167
12. HOUSING ASSETS (a + b)	263	335	1,483	2,081	259	331	1,465	2,055
a. UNDER MILITARY CONTROL	128	211	1,097	1,436	126	207	1,079	1,412
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED	126	207	1,079	1,412	126	207	1,079	1,412
(2) UNDER CONTRACT/APPROVED					0	0	0	0
(3) VACANT	0	0	0	0				
(4) INACTIVE	2	4	18	24				
b. PRIVATE HOUSING	135	124	386	645	133	124	386	643
(1) ACCEPTABLY HOUSED	135	124	386	645				
(2) ACCEPTABLE VACANT RENTAL	0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT	(2)	(4)	94	88	0	0	112	112
14. PROPOSED PROJECT					0	0	112	112

15. REMARKS

Item 12.a.: 24 additional units to be demolished.
Item 12.a.(1): 954 on-base units are inadequate.

DD FORM 1523, NOV 90

1. COMPONENT AIR FORCE	FY 2003 MILITARY CONSTRUCTION PROGRAM	2. DATE

3. INSTALLATION AND LOCATION	4. COMMAND:	5. AREA CONST COST INDEX
EGLIN AIR FORCE BASE, FLORIDA	AIR FORCE MATERIAL COMMAND:	0.82

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 01	1294	5698	6016				55	276	370	13,709
END FY 2005	1310	5842	5991				55	276	370	13,844

7. INVENTORY DATA ($000)		
Total Acreage:	453,594	
Inventory Total as of : (30 Sep 01)		0
Authorization Not Yet in Inventory:		0
Authorization Requested in this Program:		15,906
Authorization Included in the Following Program:	(FY 2004)	16,170
Planned in Next Three Years Program:		50,437
Remaining Deficiency:		0
Grand Total:		82,513

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2003)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
721-142	Replace Family Housing	134 UN	15,906	Jun-01	Jul-02

9a. Future Projects: Included in the Following Program (FY 2004)

721-142	Replace Family Housing	120 UN	16,170

9b. Future Projects: Typical Planned Next Three Years: (FY05-07)

721-142	Replace Family Housing	115UN	16,491
721-142	Replace Family Housing	115UN	16,791
721-142	Replace Family Housing	110 UN	17,155

9c. Real Propery Maintenance Backlog This Installation 123,856

10. Mission or Major Functions: Air Armament Center (AAC) which is responsible for development, acquisition, testing, deployment and sustainment of conventional and nuclear air-delivered weapons: air weapons testing wing; an air base wing; an operational test wing; a fighter wing with F-l 5 aircraft; the Munitions Directorate of teh Air Force Research Laboratory; and a spce surveillance squadron.

DD Form 1390, 24 Jul 00

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
EGLIN AIR FORCE BASE, FLORIDA	REPLACE FAMILY HOUSING PHASE 2A

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
88741	711-142	FTFA0340 13	15,906

9. COST ESTIMATE

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MILITARY FAMILY HOUSING	UN	134	**90,634**	**12,145**
SUPPORTING FACILITIES	LS			2,186
SITE IMPROVEMENTS	LS			(325)
UTILITIES	LS			(440)
STREETS	LS			(437)
LANDSCAPING	LS			(187)
DEMOLITION & ASBESTOS REMOVAL	LS			(395)
REPLACE HOUSING OFFICE	LS			(402)
SUBTOTAL				14,331
CONTINGENCY (5%)				717
TOTAL CONTRACT COST				15,048
SUPERVISION INSPECTION AND OVERHEAD (5.7%)				858
TOTAL REQUEST				15,906
AREA COST FACTOR **0.82**				

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Replace 134 Military Family Housing units with all necessary amenities and supporting facilities. Includes site preparation, attached single car garages, HVAC, energy conserving features, parking, exterior patios and privacy fencing, support infrastructure of roads and utilities, neighborhood playgrounds, recreation areas, landscaping, demolition and hazardous waste removal.

Paygrade	Bedroom	NSF	GSF	GSM	Project Factor	Cost Per GSM	No Units	($000) Total
El-E6	**3**	**1,310**	**1,630**	**151**	**0.820**	**732**	134	**12,145**

Maximum size: El -E6/3 Bedroom (1420 NSF/l 760 GSF)

11. Requirement: 3,060 UN ADEQUATE: 1,510 UN SUBSTANDARD: 1,550 UN

PROJECT: Replace-Military Family Housing Phase 2A (Current Mission).

REQUIREMENT: Project is required to provide modem and efficient replacement housing for military members and their dependents stationed at Eglin AFB. All units will meet "Whole House" standards. Replacement housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. This is the second of multiple phases to provide adequate housing for base personnel. The replacement housing will provide a modem kitchen, living room family room bedroom and bath configuration, with ample interior and exterior storage and attached single car garage. Exterior parking will be provided for second occupant vehicle and guest parking. The basic neighborhood support infrastructure will be upgraded to meet modem housing needs.

COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

EGLIN AIR FORCE BASE, FLORIDA

4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE FAMILY HOUSING, PHASE 2A	FTFA0340 13

CURRENT SITUATION: The project replaces 134 housing units, which were constructed in 1952. These 5 1 year old houses are showing the affects 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 environment. Roof structures show signs of rot; leaks have made already inadequate insulation even less effective. Foundations and pavements are showing signs of failure due to settlement. Housing interiors are inadequate by modem criteria with small bedrooms, lacking ample closet space. Fixtures are outdated and energy inefficient. Kitchens have little storage and counter space, with antiquated cabinets, countertops and badly worn, marred sinks. Flooring throughout the house is outdated. Plumbing and electrical systems do not meet current building codes. There is no Ground Fault Interrupter circuit protection and many electrical outlets lack grounding protection. Lighting systems including heating and air conditioning systems require upgrade and replacement

IMPACT IF NOT PROVIDED: Major morale problems will continue if this replacement is not initiated. Some personnel will continue to occupy substandard housing. Adequate, affordable off-base housing is very limited while subseptable to seasonal fluctuations in availability and rental cost. Without this and subsequent phases of this initiative, costly piecemeal repairs will continue out of necessity with no improvement in the living quality.

ADDITIONAL: 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. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". There will be no increase in the student population or impact on the ability of the local school district to support base dependents since this is replacement housing. The cost to improve this housing is 96% of the replacement cost. Project must adhere to the OSD mandate to comply with the new Department of Defense Antiterrorism/Force Protection minimum construction standards as directed for Military Family Housing. The construction agent for this project is the Army Corps of Engineers resulting in 5.7% SIOH costs. Base Civil Engineer: Col Purvis, DSN 872-2876.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

EGLIN AIR FORCE BASE, FLORIDA

4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE FAMILY HOUSING, PHASE 2A	FTFA0340 13

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:	Design/Build
(1) Status:	
(a) Date Design Started	01 Aug 25
(b) Parametric Cost Estimate used to develop costs	N
(c) Percent Complete as of Jan 2002	35
(d) Date 35% Designed	01 Dec 20
(e) Date Design Complete	02 May 20
(f) Energy Study/Life-Cycle analysis was performed;	
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where design was most recently used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($640)
(a) Production of Plans and Specifications	640
(b) All other Design Costs	0
(c) Total	640
(d) Contract	640
(e) In-house	
(4) Construction Start	03 Apr
(5) Construction Completion	04 Jul

b. Equipment associated with this project will be provided from other appropriations: N/A

MILITARY FAMILY HOUSING JUSTIFICATION	1. DATE OF REPORT May-01	2. FISCAL YEAR 2003	REPORT CONTROL SYMBOL DD-A&L(AR)1716
3. DOD COMPONENT AIR FORCE	4. REPORTING INSTALLATION a. NAME EGLIN AFB	b. LOCATION FLORIDA	
5. DATA AS OF 2001			

OF REQUIREMENTS AND ASSETS	OFFICER (a)	E9-E7 (b)	E6-E1 (c)	TOTAL (d)	OFFICER (e)	E9-E7 (f)	E6-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	1,257	777	5,132	7,166	1,237	769	5,066	7.072
7. PERMANENT PARTY PERSONNEL	1,257	777	5,132	7,166	1,237	769	5,066	7,072
8. GROSS FAMILY HOUSING REQUIREMENTS	788	477	1,864	3,129	775	473	1,846	3,094
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	0	0	134	134				
a. INVOLUNTARILY SEPARATED	0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	0	0	134	134				
c. UNACCEPTABLE HOUSED IN COMMUNITY	0	0	0	0				
10. VOLUNTARY SEPARATIONS	18	17	2	37	16	17	1	34
11. EFFECTIVE HOUSING REQUIREMENTS	770	460	1,862	3.092	759	456	1,845	3,666
12. HOUSING ASSETS (a + b)	772	418	1,729	2,919	759	418	1,711	2,888
a. UNDER MILITARY CONTROL	215	24	1,517	1,756	215	24	1.517	1,766
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED	215	24	1,517	1,756	215	24	1,517	1,756
(2) UNDER CONTRACT/APPROVED					0	0	0	0
(3) VACANT	0	0	0	0				
(4) INACTIVE	0	0	0	0				
b. PRIVATE HOUSING	557	394	212	1,163	544	394	194	1,132
(1) ACCEPTABLY HOUSED	557	394	212	1,163				
(2) ACCEPTABLEVACANTRENTAL	0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT	(2)	42	133	173	0	38	134	172
14. PROPOSED PROJECT					0	0	134	134

15. REMARKS

Item 12.a.(1): 1550 on-base units are inadequate.
319 units used by Hurlburt AFB are not included in this inventory.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
EGLIN AIR FORCE BASE, FLORIDA	REPLACE HOUSING OFFICE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
86741	610-119	FTFA994004	597

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
FAM HSG MGT OFC	SM	520	867	451
SUPPORTING FACILITIES				88
UTILITIES	LS			(20)
PAVEMENTS	LS			(45)
SITE IMPROVEMENTS	LS			(23)
SUBTOTAL				539
CONTINGENCY (5%)				27
TOTAL CONTRACT COST				566
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				31
TOTAL REQUEST				597
AREA COST FACTOR .82				

10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, steel frame with masonry walls, roof system, comprehensive interior design, parking and fencing. Also included are areas for private counseling, waiting areas, children play areas, and consolidation of the housing staff.

Air Conditioning: 10 KW.

11. REQUIREMENT: 520 SM ADEQUATE: OSM SUBSTANDARD: 389 SM

PROJECT: Project provides for construction of a new facility to support the Housing Division and Facilities Branch.

REQUIREMENT: An adequate facility is required to provide complete referrel services and a full range of personal assistance to all eligible DOD personnel in locating suitable nondiscriminatory community housing. A relaxing environment is desired since this is usually the first stop for arriving travel-worn personnel and their dependents. The facility must be located for convenient access by arriving personnel and those already assigned to base housing. It must be handicap-accessible and have adequate parking for vehicles pulling trailers and small trucks which may be used by arriving personnel. The facility must provide office space, a conference room, private counseling rooms, administrative space, a reception and customer waiting room, storage space for equipment and publications, and interior and exterior play areas for children of customers. Landscaping is needed to enhance customer appeal.

CURRENT SITUATION: The existing management office is located across the street in a converted Wherry housing unit that was built in 1948. This facility does not provide the privacy necessary for the housing officer of the referral office and counselors. Customers awaiting service must stand in the hallway because of lack of space. The run-down condition of the building does not provide a professional atmosphere to visiting personnel and degrades employee morale. Realtors, brokers, builders, apartment managers, and families arranging moves or filing complaints also use this facility. The average customer is in the office for 30-45 minutes and is assisted in all aspects of housing. Maintenance problems in the facility are a reccuring nightmare, as the age of the facility and its mechanical and electrical systems are in such condition that economical

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
EGLIN AIR FORCE BASE, FLORIDA	REPLACE HOUSING OFFICE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
88741	610-119	FTFA994004	597

repairs are not possible.

IMPACT IF NOT PROVIDED: Morale of housing office employees will continue to degrade. Customers will not receive necessary privacy when dealing with housing office personnel and will continue to be served in an extremely cramped, deteriorated, and unprofessional environment. Lack of space eliminates the possibility of establishing privaqte counseling areas. Major repairs or improvements are not an option because of the age and condition of the.facility with extensive invest ment required.

ADDITIONAL: The project includes a 100% design with environmental assessment performed. Also, this project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Base Civil Engineer: Col Quincy Purvis, DSN 872-2876

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	
EGLIN AIR FORCE BASE, FLORIDA	
4. PROJECT TITLE	**5. PROJECT NUMBER**
HOUSING MANAGEMENT FACILITY	FTFA994004

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:	Design/Build
(1) Status:	
(a) Date Design Started	01 Aug 25
(b) Parametric Cost Estimate used to develop costs	N
(c) Percent Complete as of Jan 2002	35
(d) Date 35% Designed	01 Dec 20
(e) Date Design Complete	02 May 20
(f) Energy Study/Life-Cycle analysis was performed;	
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where design was most recently used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($30)
(a) Production of Plans and Specifications	30
(b) All other Design Costs	0
(c) Total	30
(d) Contract	30
(e) In-house	
(4) Construction Start	03 Apr
(5) Construction Completion	04 Jul

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 2003 MILITARY CONSTRUCTION PROGRAM	2. DATE

INSTALLATION AND LOCATION	(COMMAND:	5. AREA CONST COST INDEX
MACDILL AIR FORCE BASE, FLORIDA	AIR MOBILITY COMMAND	0.88

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 01	663	2663	1275				769	878	98	6,346
END FY 2005	649	2636	1265				769	878	98	6,295

7. INVENTORY DATA ($000)

Total Acreage:	5,767	
Inventory Total as of : (30 Sep 01)		0
Authorization Not Yet in Inventory:		0
Authorization Requested in this Program:		18,086
Authorization Included in the Following Program:	(FY 2004)	0
Planned in Next Three Years Program:		53,581
Remaining Deficiency:		0
Grand Total:		71.667

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2003)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
711-142	Replace Family Housing	96 UN	18,086	Jun-01	Jul-02

9a. Future Projects: Included in the Following Program: (FY2004) No Projects

9b. Future Projects: Typical Planned Next Three Years: (FY05-07)

711-142	Replace Family Housing	84 UN	17,519
711-142	Replace Family Housing	84 UN	17,838
711-142	Replace Family Housing	99 UN	18,224

9c. Real Propery Maintenance Backlog This Installation 96,946

10. Mission or Major Functions: An air refueling wing with a KC-135 squadron; tenets include US Special Operations Command and US Central Command.

DD Form 1390, 24 Jul 00

1. COMPONENT AIR FORCE	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MACDILL AIR FORCE BASE, FLORIDA	4. PROJECT TITLE REPLACE FAMILY HOUSING - PHASE 5	

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
8.87.41	711-142	NVZR013705R1	18,086

9. COST ESTIMATE

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MILITARY FAMILY HOUSING	UN	96	116,042	11,140
SUPPORTING FACILITIES				5,187
SITE PREPARATION	LS			(1,624)
ROADS AND PAVING	LS			(346)
UTILITIES	LS			(1,203)
LANDSCAPING	LS			(346)
RECREATION	LS			(322)
SPECIAL CONSTRUCTION FEATURES	LS			(1,000)
DEMOLITION/ENVIRONMENTAL HAZARD REMEDIATION	LS			(346)
SUBTOTAL				16,327
CONTINGENCY (5.0%)				816
TOTAL CONTRACT COST				17,143
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				943
TOTAL REQUEST				18,086
AREA COST FACTOR 0.88				

10. Description of Proposed Construction: Replaces 96 Military Family Housing Units. Includes site work, replacement/upgrade of utility systems, roads, landscaping and recreation areas. Amenities in new units include: kitchen appliances, carports, HVAC, carpet, patios and privacy fencing. Special construction features denote design and construction of units to withstand hurricane and storm surges. Demolishes 92 existing units and remediates asbestos and lead-based paint.

Paygrade	Bedroom	NSF	GSF	GSM	Project Factor	Cost Per GSM	No Units	($000) Total
El-E6	3	1,315	1,630	151	0.915	732	28	2,630
E7-E9	4	1,573	1,950	181	0.915	732	18	2,182
E7-E9/W1-03	3	1,500	1,860	172	0.915	732	34	3,917
E7-E9/W1-O3	4	1,734	2,150	200	0.915	732	18	2,411
							96	11,140

Maximum size: E1-E6/3 Bedroom (1420 NSF/1760GSF), El-E-6/4 Bedroom (1790 NSF/2,220 GSF), E-7-E9/3 Bedroom (1,650 NSF/2,050 GSF), E-7-E9/4 Bedroom (2,020 NSF/2,500 GSF),

11. REQUIREMENT: 3,341 UN ADEQUATE: 2,750 UN SUBSTANDARD: 591 UN

PROJECT: Replace Military Family Housing, Phase 5. (Current Mission)

REQUIREMENT: This project is required to provide modern and efficient replacement housing for military members and their dependents stationed at MacDill AFB. All units will meet "whole house" standards and are programmed in accordance with MacDill's Housing Community Plan. Replacement housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. The replacement housing will provide a modern kitchen, living room, dining room and bath configuration, with interior and exterior storage and vehicle protection. Off-street parking will be provided for a second vehicle. Neighborhood enhancements will include landscaping, playgrounds, and recreation areas. Climatic considerations require special construction measures to withstand severe storms (hurricanes) and tidal surges.

CURRENT SITUATION: This project replaces houses that are 45 years old and are showing the effects of age and continuous heavy use. They have had no major upgrades since construction and do not meet the need of today's families. Roofs,, walls, foundations, and exterior pavements require major repair or replacement260 Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Lack of adequate parking spaces for occupants has

created excessive congestion and safety hazards. Housing interiors are inadequate by any modern criteria. Bedrooms are small and lack sufficient closet space. Bathrooms are small; fixtures are outdated and in poor condition. Kitchens have inadequate storage and counter space; cabinets are old and unsightly; counter tops and sinks are badly worn. Flooring throughout the house is worn and some contain asbestos. Utility systems require excessive maintenance and repair. Housing density is excessive, creating a noisy, chaotic living environment.

IMPACT IF NOT PROVIDED: Air Force members and their families will continue to live in small, outdated and unsatisfactory housing. The units will deteriorate further, resulting in escalating and unacceptable maintenance and repair costs as well as inconveniencing 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 and their family members assigned to the base.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Since this is replacement housing, student population will not increase nor will the ability of the local school district to support base dependents be impacted. Base Civil Engineer: Lt Col Thomas A. Kaldenberg, (813) 828-3577.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

MACDILL AIR FORCE BASE, FLORIDA

4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE FAMILY HOUSING, PHASE 5	NVZR013705R1

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:	Design/Build
(1) Status:	
(a) Date Design Started	01 Aug 15
(b) Parametric Cost Estimate used to develop costs	N
(c) Percent Complete as of Jan 2002	35
(d) Date 35% Designed	01 Dec 15
(e) Date Design Complete	02May 15
(f) Energy Study/Life-Cycle analysis was performed;	
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where design was most recently used -	N/A
(3) Total Cost (c)=(a)+(b) or(d)+(e):	($720)
(a) Production of Plans and Specifications	720
(b) All other Design Costs	0
(c) Total	720
(d) Contract	720
(e) In-house	
(4) Construction Start	03Mar
(5) Construction Completion	04Jun

b. Equipment associated with this project will be provided from other appropriations: N/A

MILITARY FAMILY HOUSING JUSTIFICATION	1. DATE OF REPORT Aug-01	2. FISCAL YEAR	REPORT CONTROL SYMBOL DD-A&L(AR)1716
3. DOD COMPONENT AIR FORCE	4. REPORTING INSTALLATION		
5. DATA AS OF Jan-01	a. NAME MACDILL AFB Phase 5	b. LOCATION FLORIDA	

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT OFFICER (a)	CURRENT E9-E7 (b)	CURRENT E6-E1 (c)	CURRENT TOTAL (d)	PROJECTED OFFICER (e)	PROJECTED E9-E7 (f)	PROJECTED E6-E1 (g)	PROJECTED TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	1,474	534	3,196	5,204	1,461	531	3,160	5,152
7. PERMANENT PARTY PERSONNEL	1,474	534	3,196	5,204	1,461	531	3,160	5,152
8. GROSS FAMILY HOUSING REQUIREMENTS	1,178	445	1,944	3,567	1,168	443	1,924	3,535
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	30	22	44	96				
a. INVOLUNTARILY SEPARATED	0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	30	22	44	96				
c. UNACCEPTABLE HOUSED IN COMMUNITY	0	0	0	0				
10. VOLUNTARY SEPARATIONS	42	39	113	194	42	38	114	194
11. EFFECTIVE HOUSING REQUIREMENTS	1,136	406	1,831	3,373	1,126	405	1,810	3,341
12. HOUSING ASSETS (a + b)	1,106	384	1,787	3,277	1,096	383	1,766	3,245
a. UNDER MILITARY CONTROL	76	82	550	708	76	82	550	708
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED	76	82	550	708	76	82	550	708
(2) UNDER CONTRACT/APPROVED					0	0	0	0
(3) VACANT	0	0	0	0				
(4) INACTIVE	0	0	0	0				
b. PRIVATE HOUSING	1,030	302	1,237	2,569	1,020	301	1,216	2,537
(1) ACCEPTABLY HOUSED	1,030	302	1,237	2,569				
(2) ACCEPTABLEVACANTRENTAL	0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT	30	22	44	96	30	22	44	96
14. PROPOSED PROJECT					30	22	44	96

15. REMARKS

Item 12.a.(1): 591 on-base units are inadequate.

DD FORM 1523, NOV 90

1. COMPONENT AIR FORCE	FY 2003 MILITARY CONSTRUCTION PROGRAM	2. DATE

INSTALLATION AND LOCATION	COMMAND:	5. AREA CONST COST INDEX
HICKAM AIR FORCE BASE, HAWAII	PACIFIC AIR FORCES	1.45

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 01	684	2545	1926				166	260	17	5,598
END FY 2005	684	2583	1912				166	260	17	5,622

7. INVENTORY DATA ($000)

Total Acreage: 2,851

Inventory Total as of: (30 Sep 01)		7,772,958
Authorization Not Yet in Inventory:		0
Authorization Requested in this Program:		29,050
Authorization Included in the Following Program:	(FY 2004)	29,456
Planned in Next Three Years Program:		60,631
Remaining Deficiency:		0
Grand Total:		7,892,095

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2003)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
711-142	Replace Family Housing	96 UN	29,050	Sep-01	Jun-01

9a. Future Projects: Included in the Following Program (FY 2004)

711-142	Replace Family Housing	108 UN	29,456

9b. Future Projects: Typical Planned Next Three Years: (FY05-07)

711-142	Replace Family Housing	108 UN	30,043
711-142	Replace Family Housing	108 UN	30,588

9c. Real Propery Maintenance Backlog This installation	196,419

10. Mission or Major Functions: The host air base wing supports C-135B/C aircraft and hosts Headquarters, Pacific Air Forces.The installation also hosts an Air National Guard wing consisting of an F-I 5A/B squadron, an air refueling squadron (KC-I 35), and an airlift squadron (C-I 30H). Other major activities include an Alr Intelligence Agency intelligence group and an Air Mobility Support Group.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
HICKAM AIR FORCE BASE, HAWAII	REPLACE FAMILY HOUSING PHASE 2

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
88741	711-142	KNMD034440C2	29,050

9. COST ESTIMATE

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MILITARY FAMILY HOUSING	UN	96	228,250	21,912
SUPPORTING FACILITIES	LS			4,313
SITE IMPROVEMENTS	LS			(802)
UTILITIES	LS			(675)
STREETS	LS			(681)
LANDSCAPING	LS			(611)
RECREATION	LS			(865)
DEMOLITION & ASBESTOS REMOVAL	LS			(679)
SUBTOTAL				26,225
CONTINGENCY (5%)				1,311
TOTAL CONTRACT COST				27,536
SUPERVISION INSPECTION AND OVERHEAD (5.5%)				1,514
TOTAL REQUEST				29,050
AREA COST FACTOR 1.45				

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Replace 96 housing units. Includes demolition, site clearing replacement/upgrade of utility systems, roads, and construction of new single and duplex units. Provides normal amenities to include parking, air conditioning, exterior patios and privacy fencing, neighborhood playgrounds, and recreation areas. Includes demolition, asbestos and lead-based paint removal.

Pavarade	Bedroom	NSF	GSF	GSM	Project Factor	Cost Per GSM	No Units	($000) Total
01-03	3	1,500	1,860	172	1.508	732	20	3,750
01-03	4	1,734	2,150	200	1.508	732	12	2,616
04-05	3	1,629	2,020	187	1.508	732	8	1,632
04-05	4	1,863	2,310	215	1.508	732	18	4,219
06	4	2,032	2,520	234	1.508	732	38	9,695
							96	21,912

Maximum size: 01-03 - 3 Bedroom (1650 NSF/2050 GSF); 01-03 - 4 Bedroom (2020 NSF12500 GSF)
04-05 - 3 Bedroom (1850 NSF/2180 GSF); 04-05 - 4 Bedroom (1860 NSF/23 10 GSF)
06 - 4 Bedroom (2350 NSF/2920 GSF)

11. Requirement: 4,576 UN ADEQUATE: 3,500 UN SUBSTANDARD: 1,076 UN

PROJECT: Replace-Military Family Housing, Phase 2 (Current Mission).

REQUIREMENT: This project is required to provide modem and efficient replacement housing for military members md their dependents stationed at Hickam AFB. All units will meet modem housing standards. The housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. The lesign will provide a modem kitchen, living room, family room, bedroom and bath configuration, with ample interior nd exterior storage. The number of bedrooms will be three or four as identified in the most recent housing market nalysis. Units will be provided with a single car garage and exterior parking for a second vehicle. Space will also be provided for an adequate support infrastructure of roads and utilities.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

HICKAM AIR FORCE BASE, HAWAII

4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE FAMILY HOUSING PHASE 2	KNMD034440C2

CURRENT SITUATION: These existing housing units were constructed in 1964 through 1974. They show the effects of age and 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 age. 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. Interiors are generally inadequate by any modem criteria. Bathrooms are small and lack adequate closet space. Kitchens have insufficient cabinets, storage and counterspace. Lighting and air-conditioning systems require upgrade and replacement.

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, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternative 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. 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. SIOH for this project is 5.5%. Base Civil Engineer: Col Steven E. Hoarn (808) 449-l 660.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

HICKAM AIR FORCE BASE, HAWAII

4. PROJECT TITLE	**5. PROJECT NUMBER**
REPLACE FAMILY HOUSING, PHASE 2	KNMD034440C2

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:	Design/Build
(1) Status:	
(a) Date Design Started	01 Aug 25
(b) Parametric Cost Estimate used to develop costs	N
(c) Percent Complete as of Jan 2002	35
(d) Date 35% Designed	01 Dec 20
(e) Date Design Complete	02 May 25
(f) Energy Study/Life-Cycle analysis was performed;	
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where design was most recently used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($1,160)
(a) Production of Plans and Specifications	1,160
(b) All other Design Costs	0
(c) Total	1,160
(d) Contract	1,160
(e) In-house	
(4) Construction Start	03 Apr
(5) Construction Completion	04 Jul

b. Equipment associated with this project will be provided from other appropriations: N/A

MILITARY FAMILY HOUSING JUSTIFICATION	1. DATE OF REPORT May-01	2. FISCAL YEAR	REPORT CONTROL SYMBOL DD-A&L(AR)1716
3. DOD COMPONENT AIR FORCE	4. REPORTING INSTALLATION		
5. DATA AS OF 2001	a. NAME HICKAM AFB Phase 2	b. LOCATION HAWAII	

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT OFFICER (a)	CURRENT E9-E7 (b)	CURRENT E6-E1 (c)	CURRENT TOTAL (d)	PROJECTED OFFICER (e)	PROJECTED E9-E7 (f)	PROJECTED E6-E1 (g)	PROJECTED TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	1,244	1,156	4,169	6,569	1,262	1,175	4,193	6,630
7. PERMANENT PARTY PERSONNEL	1,244	1,156	4,169	6,569	1,262	1,175	4,193	6,630
8. GROSS FAMILY HOUSING REQUIREMENTS	1,015	997	2,555	4,567	1,031	1,013	2,568	4,612
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	96	0	0	96				
a. INVOLUNTARILY SEPARATED	0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	96	0	0	96				
c. UNACCEPTABLE HOUSED IN COMMUNITY	0	0	0	0				
10. VOLUNTARY SEPARATIONS	11	12	13	36	11	12	13	36
11. EFFECTIVE HOUSING REQUIREMENTS	1,004	985	2,542	4,631	1,020	1,001	2,555	4,576
12. HOUSING ASSETS (a + b)	906	965	2,542	4,435	924	1,001	2,555	4,480
a. UNDER MILITARY CONTROL	527	406	1,633	2,566	527	406	1,633	2,566
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED	527	406	1,633	2,566	527	406	1,633	2,566
(2) UNDER CONTRACT/APPROVED					0	0	0	0
(3) VACANT	0	0	0	0				
(4) INACTIVE	0	0	0	0				
b. PRIVATE HOUSING	381	579	909	1,869	397	595	922	1,914
(1) ACCEPTABLY HOUSED	381	579	909	1,869				
(2) ACCEPTABLE VACANT RENTAL	0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT	96	0	0	96	96	0	0	96
14. PROPOSED PROJECT					96	0	0	96

15. REMARKS

Item 12.a.(1): 1076 on-base units are inadequate.

DD FORM 1523, NOV 90

1. COMPONENT AIR FORCE	FY 2003 MILITARY CONSTRUCTION PROGRAM	2. DATE

INSTALLATION AND LOCATION	COMMAND:	5. AREA CONST COST INDEX
MOUNTAIN HOME AIR FORCE BASE, IDAHO	AIR COMBAT COMMAND	1.11

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 01	462	40091	745	0	0	0	181	32	71	5,337
END FY 2005	4621	4201	7441	0	0	0	18	32	71	5,528

7. INVENTORY DATA ($000)

Total Acreage: 6,844

Inventory Total as of : (30 Sep 01)		350,515
Authorization Not Yet in Inventory:		49,035
Authorization Requested in this Program:		24,392
Authorization Included in the Following Program:	(FY 2004)	24,8413
Planned in Next Three Years Program:		77,510
Remaining Deficiency:		0
Grand Total:		526,300

3. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2003)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
711-142	Replace Family Housing	95 UN	24,392	Jun-01	Jul-02

9a. Future Projects: Included in the Following Program: (FY2004)

711-142	Replace Family Housing	106 UN	24,848

9b. Future Projects: Typical Planned Next Three Years: (FY05-07)

711-142	Replace Family Housing	89 UN	25,343
711-142	Replace Family Housing	114 UN	25,804
711-142	Replace Family Housing	116 UN	26,363

9c. Real Propery Maintenance Backlog This Installation 106,622

10. Mission or Major Functions: A composite wing with one F-16 squadron, one F-l 5 C/D squadron one F-l 5E squadron, one KC-l 35 squadron, a B1-B squadron, and the AEF Battlelab.

DD Form 1390, 24 Jul 00

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MOUNTAIN HOME AIR FORCE BASE, IDAHO	REPLACE MILITARY FAMILY HOUSING PHASE 4

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
88741	711-142	QYZH033004R3	24,392

9. COST ESTIMATE

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MILITARY FAMILY HOUSING	UN	95	122,274	11,616
SUPPORTING FACILITIES	LS			10,362
SITE IMPROVEMENTS	LS			(500)
UTILITIES	LS			(4,012)
STREETS	LS			(2,710)
LANDSCAPING	LS			(870)
RECREATION	LS			(470)
DEMOLITION & ASBESTOS REMOVAL	LS			(1,800)
SUBTOTAL				21,978
CONTINGENCY (5%)				1,099
TOTAL CONTRACT COST				23,077
SUPERVISION INSPECTION AND OVERHEAD (5.7%)				1,315
TOTAL REQUEST				24,392
AREA COST FACTOR 1.11				

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Replace 95 units by demolition with construction on an adjacent housing site. Includes site clearing, bedrock excavation, utility systems, upgrade and design and construction of family housing units. Provides normal amenities to include appliances, garages, parking, air conditioning, patios, privacy fencing, and neighborhood playgrounds. Remove asbestos/lead base paint.

Paygrade	Bedroom	NSF	GSF	Project GSM	Cost Factor	Per No GSM	($000) Units	Total
EI-E6	2	1,081	1,340	124	1.154	732	57	5,971
EI-E6	3	1,315	1,630	151	1.154	732	22	2,807
EI-E6	4	1,573	1,950	181	1.154	732	4	612
E7-E9	4	1,734	2,150	200	1.154	732	4	676
O-4-05	4	1,863	2,310	215	1.154	732	2	364
06	4	2,032	2,520	234	1.154	732	6	1,186
							95	11,616

Maximum size: E1-E6/3 Bedroom (1420 NSF/1760 GSF), E1-E6/4 Bedroom (1790 NSF/2220 GSF)

11. Requirement: 2,868 UN ADEQUATE: 1,721 UN SUBSTANDARD: 1,147 UN

PROJECT: Replace-Military Family Housing, Phase 4 (Current Mission).

REQUIREMENT: Project provides modem and efficient housing for military members and their dependents stationed at Mountain Home AFB. Units will meet contemporary standards with program conforming to Housing Community Profile. Replacement housing provides a safe, comfortable, and appealing living environment comparable to the off-base civilian community. Replacement housing provides a modem kitchen, living room, dining room and bathroom Units provide ample interior and exterior storage, single or double car garages, and off-street parking. Project provides the basic neighborhood infrastructure support to meet modem housing needs. High bedrock levels require special site preparation work to include blasting. Main line extensions and upgrades are required for electrical, water, sewage, natural gas, and storm drainage due to the undersized and antiquated utilities to the project area.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

MOUNTAIN HOME AIR FORCE BASE, IDAHO

4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE FAMILY HOUSING, PHASE 4	QYZH033004R3

CURRENT SITUATION: Oasis housing was constructed in 1956. The housing units have had minimal renovation over the last 40 years and have exceeded the expected life. Narrow neighborhood streets make emergency vehicle access excessively difficult. Recreation area is limited. The units are best described as flat roofed boxes lacking the architectural character of residential neighborhoods. Oasis neighborhood presents a congested appearance isolated from adjoining neighborhoods. Exterior garages and storage are both separate from the units. Other deficiencies include antiquated electrical and mechanical systems, deteriorated utility systems, inadequate bathrooms, low pitched high maintenance roofs, and lead paint and asbestos containing materials. Kitchens have inadequate storage and counter space, old and unsightly cabinets, badly worn countertops and sinks,and deteriorating plumbing. Existing units also have washer and dryer hookups inconveniently located in the kitchen, undersized systems panels with no ground fault circuit interrupters or exterior outlets, insufficient interior and exterior lighting, and swamp coolers. Other liabilities of the existing Oasis housing area include inadequate landscaping throughout, unscreened open parking lots, cluttered appearance at rear alleyways, visually inappropriate storage areas, and poor internal vehicle circulation.

IMPACT IF NOT PROVIDED: Air Force families will continue to live in unsatisfactory housing conditions. As the existing units age, the maintenance costs on these units will escalate. With antiquated and constant attention to maintenance and repair, Air Force families are forced to live in substandard housing. Persistence of these conditions escalate problems of low morale and retention.

ADDITIONAL: The project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning Design Guide". The demolition of the 95 units will allow thinning in Oasis housing. Costs to improve these units is greater than 70% of the replacement cost and building new on the same site is not practical. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on net present values and benefits of respective alternatives, new construction is the most cost effective choice. The CoE will be used to do the engineering and contract supervision on this project. Base Civil Engineer: Lt Col Richard B. Stonestreet (208)828-6353

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

MOUNTAIN HOME AIR FORCE BASE, IDAHO

4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE FAMILY HOUSING, PHASE 4	QYZH033004R3

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	N
(c) Percent Complete as of Jan 2002	35
(d) Date 35% Designed	01 Dec 15
(e) Date Design Complete	02 May 10
(f) Energy Study/Life-Cycle analysis was performed;	
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where design was most recently used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($980)
(a) Production of Plans and Specifications	980
(b) All other Design Costs	0
(c) Total	980
(d) Contract	980
(e) In-house	
(4) Construction Start	03 Mar
(5) Construction Completion	04 Jun

b. Equipment associated with this project will be provided from other appropriations: N/A

MILITARY FAMILY HOUSING JUSTIFICATION	1. DATE OF REPORT June-00	2. FISCAL YEAR 2003	REPORT CONTROL SYMBOL DD-A&L(AR)1716
3. DOD COMPONENT AIR FORCE	4. REPORTING INSTALLATION a. NAME MOUNTAIN HOMEAF Phase 4	b. LOCATION IDAHO	
5. DATA AS OF 2000			

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT OFFICER (a)	CURRENT E9-E7 (b)	CURRENT E6-E1 (c)	CURRENT TOTAL (d)	PROJECTED OFFICER (e)	PROJECTED E9-E7 (f)	PROJECTED E6-E1 (g)	PROJECTED TOTAL (h)
5. TOTAL PERSONNEL STRENGTH	482	355	3,554	4,391	494	374	3,659	4,527
7. PERMANENT PARTY PERSONNEL	482	355	3,554	4,391	494	374	3,659	4,527
8. GROSS FAMILY HOUSING REQUIREMENTS	269	323	2,210	2,802	278	341	2,281	2,900
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	8	4	347	359				
a. INVOLUNTARILY SEPARATED	0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	8	4	83	95				
c. UNACCEPTABLE HOUSED IN COMMUNITY	0	0	264	264				
10. VOLUNTARY SEPARATIONS	2	7	23	32	2	7	23	32
11. EFFECTIVE HOUSING REQUIREMENTS	267	316	2,187	2,770	276	334	2,258	2,868
12. HOUSING ASSETS (a + b)	259	312	1,840	2,411	268	330	1,777	2,375
a. UNDER MILITARY CONTROL	176	165	1,089	1,430	176	165	1,089	1,430
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED	176	165	1,089	1,430	176	165	1,089	1,430
(2) UNDER CONTRACT/APPROVED					0	0	0	0
(3) VACANT				0				
(4) INACTIVE				0				
b. PRIVATE HOUSING	83	147	751	981	92	165	688	945
(1) ACCEPTABLY HOUSED	a3	147	751	981				
(2) ACCEPTABLEVACANTRENTAL	0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT	8	4	347	359	8	4	481	493
14. PROPOSED PROJECT					8	4	83	95

15. REMARKS

Item 12.a.(1): 1147 on base units are inadequate.

DD FORM 1523, NOV 90

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MCCONNELL AIR FORCE BASE, KANSAS	CONSTRUCT MFH MAINT BLDG & ROADS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
88741	219-944	PRQE029013	1,514

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
CONSTRUCT MFH MAINT BLDG & ROADS	LS			894
CONSTRUCT MFH ROADS	M	600	500	(300)
CONSTRUCT MFH MAINT BLDG	SM	560	1,061	(594)
SUPPORTING FACILITIES				470
SIDEWALK & STORM DRAINAGE	M	500	360	(180)
PARKING LOT	SP	25	1,000	(25)
LIGHTING & ELECTRIC	LS			(80)
UTILITIES (COMM, WATER, SEWER, AND GAS))	LS			(35)
SITE IMPROVEMENTS (AT/FP, FENCE, TREES, ETC.)	LS			(100)
DEMOLITION	LS			(50)
SUBTOTAL				1,364
CONTINGENCY (5%)				68
TOTAL CONTRACT COST				1,432
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				82
TOTAL REQUEST				1,514
AREA COST FACTOR .91				

10. Description of Proposed Construction: Construct approximately 600m of new roadway, including curb & gutter, storm drainage, sidewalk & street lighting. Construct prefabricated metal building for MFH maintenance contractor and provide water, sewer, & electrical utilities. Construct perimeter wall and paved area around new building for a storage yard. Construct a parking lot for personnel & customer parking.

Air Conditioning: 40 KW.

11. REQUIREMENT: 560SM ADEQUATE: 0 SM SUBSTANDARD: 167SM

PROJECT: Construct new roads compatible with housing area for access to east end of MFH and new MFH maintenance contractor facility as well.

REQUIREMENT: New, permanent roadways are required to provide proper, two-way access to the Spicer housing area as well as the new maintenance contractor facility. The MFH maintenance contractor facility is required to store materials and perform repairs to MFH units. Facilities are required to provide administration, restroom, and break areas for contractor personnel, plus storage and work areas for maintenance

CURRENT SITUATION: Military living adjacent Spicer Court #4 must travel over half a mile on a dead end road to reach their housing units, while with the construction of new roads they will be able to reach their units more easily. The existing MFH maintenance contractor facility is too small, in bad repair, and does not meet current standards for this type of facility. Its current location is adjacent the housing management office & the main entrance to McConnell's MFH area, and does not allow for enlargement of the facility or storage yard. For larger deliveries, the maintenance contractor must use

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MCCONNELL AIR FORCE BASE, KANSAS	CONSTRUCT MFH MAINT BLDG & ROADS

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
88741	219-944	PRQE029013	1,514

the housing management office parking lot as a staging yard. The construction of a new facility at the east end of housing will alleviate the unsightliness of its current location adjacent the main entrance to MFH.

IMPACT IF NOT PROVIDED: Personnel living on the east end of housing will continue to be inconvenienced with traffic bottlenecks while the poor image at the main entrance to housing will persist due to the location of the maintenance contractor. The quality of work the maintenance contractor can provide will continue to be limited due to the poor facility & space they are being provided and/or the contract cost may rise.

ADDITIONAL: This project replaces facilities that currently do not meet the AF/AMC Wilitary Family Housing Design guidelines, with facilities that will. Base Civil Engineer: Lt Col Charles G. Emmette (316) 759-5750.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

MCCONNELL AIR FORCE BASE, KANSAS

4. PROJECT TITLE	5. PROJECT NUMBER
CONSTRUCT MFH MAINT BLDG & ROADS	PRQE029013

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	N
(c) Percent Complete as of Jan 2002	35
(d) Date 35% Designed	01 Dec 15
(e) Date Design Complete	02 May 10
(f) Energy Study/Life-Cycle analysis was performed;	
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where design was most recently used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($70)
(a) Production of Plans and Specifications	70
(b) All other Design Costs	0
(c) Total	70
(d) Contract	70
(e) In-house	
(4) Construction Start	03 Mar
(5) Construction Completion	04 Jun

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	**FY 2003 MILITARY CONSTRUCTION PROGRAM**	2. DATE

NSTALLATION AND LOCATION	COMMAND:	5. AREA CONST COST INDEX
ANDREWS AIR FORCE BASE, MARYLAND	AIR MOBILITY COMMAND	0.96

3. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 01	1054	3834	2477	10	19		334	1101	462	9,291
END FY 2005	1046	3469	2497	6	19		334	1101	462	8,934

7. INVENTORY DATA ($000)

Total Acreage:	4,996	
nventory Total as of : (30 Sep 01)		477,321
Authorization Not Yet in Inventory:		5,163
Authorization Requested in this Program:		9,838
Authorization Included in the Following Program:	(FY 2004)	8,491
Planned in Next Three Years Program:		11,719
Remaining Deficiency:		90,701
Grand Total:		603,232

3. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2003)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
71 I-142	Replace Family Housing	53 UN	9,838	Jun-01	Jul-02

9a. Future Projects: Included in the Following Program: (FY2004)

71 I-142	Replace Family Housing	35 UN	8,491

3b. Future Projects: Typical Planned Next Three Years: (FY05-07)

71 I-142	Replace Family Housing	108 UN	11,719

9c. Real Propery Maintenance Backlog This Installation 126,072

10. Mission or Major Functions: An airlift Wing flying a variety of fixed wing and rotary aircraft responsible for Presidential support and support of other branches of the Armed Forces and Federal Agencies; Air National Guard Readiness Center; DC Air National Guard, F-16 fighter wing; and an Air Force Reserve Command C-141 airlift wing.

DD Form 1390, 24 Jul 00

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ANDREWS AIR FORCE BASE, MARYLAND	REPLACE MILITARY HOUSING PHASE 1A

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
88741	711-142	AJXF034007	9,838

9. COST ESTIMATE

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MILITARY FAMILY HOUSING	UN	53	118,887	6,301
SUPPORTING FACILITIES	LS			2,538
SITE IMPROVEMENTS	LS			(1,000)
UTILITIES	LS			(1,000)
LANDSCAPING	LS			(290)
DEMOLITION & ASBESTOS REMOVAL	LS			(248)
SUBTOTAL				8,839
CONTINGENCY (5%)				442
TOTAL CONTRACT COST				9,281
SUPERVISION INSPECTION AND OVERHEAD (6.0%)				557
TOTAL REQUEST				9,838

AREA COST FACTOR 0.96

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Replace 53 housing units to include one General Officer Quarters (GOQ). Site work improvements include underground utilities, parking, landscaping, patios, privacy fencing, and community improvements. Amenities include energy efficiency, heating, air conditioning, floor covering, attached garages, and storage. Include demolition of 53 existing units and environmental hazard remediation.

Paygrade	Bedroom	NSF	GSF	GSM	Project Factor	Cost Per GSM	No Units	($000) Total
07	4	2,686	3,330	309	0.998	732	1	226
EI-E6	3	1,315	1,630	150	0.998	732	36	3,971
EI-E6	4	1,573	1,950	181	0.998	732	16	2,116
							53	6,301

Maximum size: 07 - 4 Bedroom (3270 NSF/4060 GSF), E1-E6/3 Bedroom (1420 NSF/l760 GSF)
E 1 -E-6/4 Bedroom (1790 NSF/2220 GSF)

11. Requirement: 3,538 UN ADEQUATE: 2,142 UN SUBSTANDARD: 1,396 UN

PROJECT: Replace-Military Family Housing Phase 1 (Current Mission).

REQUIREMENT: Project will provide modem and efficient housing for military members and their families assigned at Andrews AFB. All units will meet "whole house/neighborhood" standards and provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. Project is programmed in accordance with the Housing Community Plan and Family Housing Master Plan.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

ANDREWS AIR FORCE BASE, MARYLAND

4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE MILITARY HOUSING, PHASE 1	AJXF034007

CURRENT SITUATION: This project replaces houses constructed in the 1960s. 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 due 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 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 backyard privacy.

IMPACT IF NOT PROVIDED: Air Force members and families will continue to be inadequately housed. Low marale 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 cost to the Government.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facilities Planning and Design Guide". 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 the the most cost efficient over the life of the project. The cost to improve this housing is 70% of the replacement cost. The construction agent for this project is the Naval Facilities Engineering Command resulting in SIOH cost of 6%. Base Civil Engineer: Lt Col Bryan J. Bodner, (301) 981-7281.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

ANDREWS AIR FORCE BASE, MARYLAND

4. PROJECT TITLE	5. PROJECTNUMBER
REPLACE MILITARY HOUSING, PHASE 1	AJXF034007

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:	Design/Build
(1) Status:	
(a) Date Design Started	01 Aug 15
(b) Parametric Cost Estimate used to develop costs	N
(c) Percent Complete as of Jan 2002	35
(d) Date 35% Designed	01 Dec 15
(e) Date Design Complete	02 May 15
(f) Energy Study/Life-Cycle analysis was performed;	
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where design was most recently used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($450)
(a) Production of Plans and Specifications	450
(b) All other Design Costs	0
(c) Total	450
(d) Contract	450
(e) In-house	
(4) Construction Start	03Mar
(5) Construction Completion	04Jun

b. Equipment associated with this project will be provided from other appropriations: N/A

MILITARY FAMILY HOUSING JUSTIFICATION	1. DATE OF REPORT Apr-01	2. FISCAL YEAR 2003	REPORT CONTROL SYMBOL DD-A&L(AR)1716
3. DOD COMPONENT AIR FORCE	4. REPORTING INSTALLATION a. NAME ANDREWS AFB Phase IA	b. LOCATION MARYLAND	
5. DATA AS OF 2001			

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT OFFICER (a)	CURRENT E9-E7 (b)	CURRENT E6-E1 (c)	CURRENT TOTAL (d)	PROJECTED OFFICER (e)	PROJECTED E9-E7 (f)	PROJECTED E6-E1 (g)	PROJECTED TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	1,355	979	3,924	6,258	1,338	838	3,361	9537
7. PERMANENT PARTY PERSONNEL	1,355	979	3,924	6,258	ı,338	838	3,361	5,537
8. GROSS FAMILY HOUSING REQUIREMENTS	922	829	2,280	4,031	911	710	1,953	3,574
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	1	0	52	53				
a. INVOLUNTARILY SEPARATED	0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	1	0	52	53				
c. UNACCEPTABLE HOUSED IN COMMUNITY	0	0	0	0				
10. VOLUNTARY SEPARATIONS	11	27	31	69	10	12	14	36
11. EFFECTIVE HOUSING REQUIREMENTS	911	802	2,249	3,962	901	898	1,939	3,538
12. HOUSING ASSETS (a + b)	910	802	2.197	3.999	909	898	1,887	3,485
a. UNDER MILITARY CONTROL	479	802	1,448	2,627	479	602	1,446	2,527
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED	479	602	1,446	2,527	479	602	1,446	2,527
(2) UNDER CONTRACT/APPROVED					0	0	0	0
(3) VACANT	0	0	0	0				
(4) INACTIVE	0	0	0	0				
b. PRIVATE HOUSING	431	200	751	1,382	421	96	441	958
(1) ACCEPTABLY HOUSED	431	200	751	1,382				
(2) ACCEPTABLE VACANT RENTAL	0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT	1	0	52	53	1	0	52	53
14. PROPOSED PROJECT					1	0	52	53

15. REMARKS

Item 12.a.(1): 1396 on-base units are inadequate.

DD FORM 1523, NOV 90

1. COMPONENT AIR FORCE	FY 2003 MILITARY CONSTRUCTION PROGRAM	2. DATE
4. INSTALLATION AND LOCATION ANDREWS AIR FORCE BASE, MARYLAND	COMMAND: AIR MOBILITY COMMAND	5. AREA CONST COST INDEX 0.96

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 01	1054	3834	2477	10	19		334	1101	462	9,291
END FY 2005	1046	3469	2497	6	19		334	1101	462	8,934

7. INVENTORY DATA ($000)

Total Acreage: 4,996

Inventory Total as of : (30 Sep 01)	477,321
Authorization Not Yet in Inventory:	5,163
Authorization Requested in this Program:	8,807
Authorization Included in the Following Program: (FY 2004)	8,491
Planned in Next Three Years Program:	11,719
Remaining Deficiency:	90,701D
Grand Total:	602,201

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2003)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
711-142	Replace Family Housing	52 UN	8,807	Jun-01	Jul-02

9a. Future Projects: Included in the Following Program: (FY2004)

11-142	Replace Family Housing	35 UN	8,491

9b. Future Projects: Typical Planned Next Three Years: (FY05-07)

11-142	Replace Family Housing	108 UN	11,719

9c. Real Propery Maintenance Backlog This Installation 126,072

10. Mission or Major Functions: An airlift Wing flying a variety of fixed wing and rotary aircraft responsible for Presidential support and support of other branches of the Armed Forces and Federal Agencies; Air National Guard Readiness Center; DC Air National Guard, F-16 fighter wing; and an Air Force Reserve Command C-141 airlift wing.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ANDREWS AIR FORCE BASE, MARYLAND	REPLACE MILITARY HOUSING PHASE 1 B

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
88741	711-142	AJXF034008	8,807

9. COSTE 'I MATE

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MILITARY FAMILY HOUSING	UN	52	107,687	6,351
SUPPORTING FACILITIES	LS			1,561
SITE IMPROVEMENTS	LS			(325)
UTILITIES	LS			(409)
STREETS	LS			(175)
LANDSCAPING	LS			(350)
DEMOLITION & ASBESTOS REMOVAL	LS			(302)
SUBTOTAL				7,912
CONTINGENCY (5%)				396
TOTAL CONTRACT COST				8,308
SUPERVISION INSPECTION AND OVERHEAD (6.0%)				499
TOTAL REQUEST				8,807

AREA COST FACTOR 0.96

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Re lace 52 housing units. Site work improvements include underground utilities, parking, landscaping, patios, privacy fencing, and community improvements. Amenities include energy efficiency, heating, air conditioning, floor covering, attached garages, storage, and 5% of the units constructed as handicapped adaptable. Included demolition of 52 existing units and environmental hazard remediation.

Pavarade	Bedroom	NSF	GSF	GSM	Project Factor	Cost Per GSM	No Units	($000) Total
EI-E6	3	1,310	1,630	150	0.998	732	24	2,648
EI-E6	4	1,570	1,950	181	0.998	732	28	3,703
							52	6,351

Maximum size: E1-E6/3 Bedroom (1420 NSF/l760 GSF); El-E-6/4 Bedroom (1790 NSF/2220 GSF)

11. Requirement: 3,538 UN ADEQUATE: 2,142 UN SUBSTANDARD: 1,396 UN

PROJECT: Replace-Military Family Housing Phase 1B (Current Mission).

REQUIREMENT: Project will provide modem and efficient housing for military members and their families assigned at Andrews AFB. All units will meet "whole house/neighborhood" standards and provide a save, comfortable, and appealing living environment comparable to the off-base civilian community. Project is programmed in accordance with the Housing Community Plan and Family Housing Master Plan. In accordance with the Air Force Family Housing Guide, 5% will be constructed as handicapped adaptable.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

ANDREWS AIR FORCE BASE, MARYLAND

4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE MILITARY HOUSING, PHASE 1B	AJXF034008

CURRENT SITUATION: This project replaces houses constructed in the 1970s. 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 due 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 modern criteria. Bedrooms are small and lack closet space, and the fixtures are outdated. 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. The units have no backyard privacy.

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 cost to the Government.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facilities Planning and Design Guide". 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 70% of the replacement cost. Since this is replacement housing, there will be no increase in student population or impact on the ability of the local school district to support base dependents. The construction agent for this project is the Naval Facilities Engineering Command resulting in SIOH cost of 6%. Base Civil Engineer: Major John Prater (301) 981-7281.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

ANDREWS AIR FORCE BASE, MARYLAND

4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE MILITARY HOUSING, PHASE 1B	AJXF034008

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:	Design/Build
(1) Status:	
(a) Date Design Started	01 Aug 15
(b) Parametric Cost Estimate used to develop costs	N
(c) Percent Complete as of Jan 2002	35
(d) Date 35% Designed	01 Dec 15
(e) Date Design Complete	02 May 15
(f) Energy Study/Life-Cycle analysis was performed;	
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where design was most recently used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($450)
(a) Production of Plans and Specifications	450
(b) All other Design Costs	0
(c) Total	450
(d) Contract	450
(e) In-house	
(4) Construction Start	03Mar
(5) Construction Completion	04Jun

b. Equipment associated with this project will be provided from other appropriations: N/A

MILITARY FAMILY HOUSING JUSTIFICATION	1. DATE OF REPORT Apr-01	2. FISCAL YEAR 2003	REPORT CONTROL SYMBOL DD-A&L(AR)1716
3. DOD COMPONENT AIR FORCE	4. REPORTING INSTALLATION a. NAME ANDREWS AFB Phase 1B	b. LOCATION MARYLAND	
5. DATA AS OF Jan-01			

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT OFFICER (a)	E9-E7 (b)	E6-E1 (c)	TOTAL (d)	PROJECTED OFFICER (e)	E9-E7 (f)	E6-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	1,355	979	3,924	6,258	1,338	838	3,361	5,537
7. PERMANENT PARTY PERSONNEL	1,355	979	3,924	6,258	1,338	638	3,361	5,537
8. GROSS FAMILY HOUSING REQUIREMENTS	922	829	2,280	4,031	911	710	1,953	3,574
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	0	0	52	52				
a. INVOLUNTARILY SEPARATED	0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	0	C	0	0				
c. UNACCEPTABLE HOUSED IN COMMUNITY	0	0	52	52				
10. VOLUNTARY SEPARATIONS	11	27	31	69	10	12	14	36
11. EFFECTIVE HOUSING REQUIREMENTS	911	802	2,249	3,962	901	698	1,939	3,636
12. HOUSING ASSETS (a + b)	910	802	2,129	3,841	901	698	1.687	3,466
a. UNDER MILITARY CONTROL	479	602	1,378	2,459	480	602	1,446	2,528
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED	479	602	1,378	2,459	479	602	1,378	2,459
(2) UNDER CONTRACT/APPROVED					1	0	68	69
(3) VACANT	0	0	0	0				
(4) INACTIVE	0	0	0	0				
b. PRIVATE HOUSING	431	200	751	1,382	421	96	441	958
(1) ACCEPTABLY HOUSED	431	200	751	1,382				
(2) ACCEPTABLE VACANT RENTAL	0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT	1	0	120	121	0	0	52	52
14. PROPOSED PROJECT					0	0	52	52

15. REMARKS

Item 12.a.(1): 1396 on-base units are inadequate.

DD FORM 1523, NOV 90

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
COLUMBUS AIR FORCE BASE, MISSISSIPPI	MPH MANAGEMENT OFFICE

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
88741	610-119	EEPZ034001	412

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT	COST
PAM HSG MGT OFC	SM	200	1,288	258
SUPPORTING FACILITIES				114
UTILITIES	LS			(40
PAVEMENTS	LS			(40
SITE IMPROVEMENTS	LS			(18
COMMUNICATIONS SUPPORT	LS			(15
FORCE PROTECTION MEASURES (0.5%)	LS			(1
SUBTOTAL				372
CONTINGENCY (5%)				19
TOTAL CONTRACT COST				390
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				21
TOTAL REQUEST				412
AREA COST FACTOR .81				

10. Description of Proposed Construction: All labor, materials, and equipment to construct a Family Housing Management Office to conform to the Air Force Housing Support Facilities Guide. Work includes site work, foundation, infrastructure, interior and exterior finishes, standing seam metal roofing, and WAC. Exterior includes asphalt drive and parking, construction of a fenced playground, and landscaping.

Air Conditioning: 20 KW.

11. REQUIREMENT: 200SM ADEQUATE: OSM SUBSTANDARD: 149SM

PROJECT: Construct a Family Housing Management Office (Current Mission).

REQUIREMENT: A military Family Housing Management office that is adequate in size and provides the necessary work areas to assist and support the family members during their search for suitable housing upon arrival is required at Columbus AFB.

CURRENT SITUATION: Columbus APB does not have a Family Housing Management office to meet standards set forth in the Air Force Housing Support Facilities Guide. The current function is located on the second floor of the Central Personnel Building. The cramped space precludes privacy for counseling or discussions between housing staff personnel and residents. This office is usually the first stop for new arrivals and the last stop for departing personnel.

IMPACT IF NOT PROVIDED: Failure to provide the necessary facility will result in the current inefficient and insufficient situation to remain. The lack of ADA compliance could result in accessibility problems and customer complaints. The lack of play area for children poses a safety hazard and concern.

ADDITIONAL: Base Civil Engineer: Lt Col Michael Hass, (601) 434-7327.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

COLUMBUS AIR FORCE BASE, MISSISSIPPI

4. PROJECT TITLE	5. PROJECT NUMBER
MFH MANAGEMENT OFFICE	EEPZ034001

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:	Design/Build
(1) Status:	
(a) Date Design Started	01 Aug 25
(b) Parametric Cost Estimate used to develop costs	N
(c) Percent Complete as of Jan 2002	35
(d) Date 35% Designed	01 Dec 20
(e) Date Design Complete	02 May 20
(f) Energy Study/Life-Cycle analysis was performed;	
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where design was most recently used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($20)
(a) Production of Plans and Specifications	20
(b) All other Design Costs	0
(c) Total	20
(d) Contract	20
(e) In-house	
(4) Construction Start	03 Apr
(5) Construction Completion	04 Jul

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT AIR FORCE	FY 2003 MILITARY CONSTRUCTION PROGRAM	2. DATE

INSTALLATION AND LOCATION	COMMAND:	5. AREA CONST
KEESLER AIR FORCE BASE, MISSISSIPPI	AIR EDUCATION AND TRAINING COMMAND	COST INDEX 0.92

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
AS OF 30 SEP 01	960	3226	2740	4501	29091		78	16801	84	12,127
END FY 2005	847	2763	2739	439	2819		78	1680	84	11,449

7. INVENTORY DATA ($000)

Total Acreage:	1,611	
Inventory Total as of : (30 Sep 01)		388,669
Authorization Not Yet in Inventory:		154,055
Authorization Requested in this Program:		16,505
Authorization Included in the Following Program:	(FY 2004)	4,432
Planned in Next Three Years Program:		a
Remaining Deficiency:		0
Grand Total:		563,661

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2003)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
71 I-142	Replace Family Housing	117 UN	16,505	Jun-01	Jul-02

9a. Future Projects: Included in the Following Program: (FY2004)

Replace Family Housing	34 UN	4,432

9b. Future Projects: Typical Planned Next Three Years: None

9c. Real Propery Maintenance Backlog This Installation 112,176

10. Mission or Maior Functions: Headquarters Second Air Force; a training wing responsible for communications, electronics, and administrative courses and a C-12/C-21 airlift squadron responsible for aircrew training; an Air Force Material Command engineering installation group; an Air Force Reserve airlift wing with one C-l 30 squadron and one WC-l 30 weather reconnaissance squadron ; and a major Air Force medical center.

DD Form 1390, 24 Jul 00

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
KEESLER AIR FORCE BASE, MISSISSIPPI	REPLACE FAMILY HOUSING PHASE 1

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
88741	711-142	MAHG024005	16,505

9. COST ESTIMATE

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MILITARY FAMILY HOUSING	UN	117	96,897	11,337
SUPPORTING FACILITIES	LS			3,534
SITE IMPROVEMENTS	LS			(560)
UTILITIES	LS			(445)
STREETS	LS			(410)
LANDSCAPING	LS			(218)
DEMOLITION & ASBESTOS REMOVAL	LS			(350)
PATIOS/GARAGES				(1.251)
SUBTOTAL				14,871
CONTINGENCY (5%)				744
TOTAL CONTRACT COST				15,615
SUPERVISION INSPECTION AND OVERHEAD (5.7%)				890
TOTAL REQUEST				16,505
AREA COST FACTOR 0.92				

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Replace 117 units, to include one General Officer Quarters (GOQ), with all necessary amenities and supporting facilities. Project includes site preparation, attached car garages, air conditioning, energy conserving features, parking, exterior patios and privacy fencing and supporting infrastructure. Includes the abatement of asbestos containing material and lead base paint, and the demolition of 117 units.

Pavarade	Bedroom	NSF	GSF	GSM	Project Factor	Cost Per GSM	No Units	($000) Total
EI-E6	2	1,081	1,340	124	0.920	732	50	4,175
EI-E6	3	1,315	1,630	150	0.920	732	54	5,491
EI-E6	4	1,573	1,950	181	0.920	732	12	1,463
07	4	2,686	3,330	309	0.920	732	1	208
							117	11,337

Maximum size: E1-E6/2 Bedroom (1210 NSF11500 GSF), E1-E6/3 Bedroom (1420 NSF/1760 GSF)
El-E-6/4 Bedroom (1790 NSF/2220 GSF); 07 - 4 Bedroom (3270 NSF/4060 GSF)

11. Requirement: 2,441 UN ADEQUATE: 1,081 UN SUBSTANDARD: 1,360 UN

PROJECT: Replace-Military Family Housing Phase 1 (Current Mission).

REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at Kessler AFB. All units will meet modem housing standards and are programmed in accordance with the Housing Community Profile. The housing will provide safe, comfortable, and appealing living environment comparable to the off-base civilian community. The design will provide a modem kitchen, living room, family room, bedroom and bath configuration, with ample interior and exterior storage. The number of bedrooms will range from two to four, as indicated in the most recent housing market analysis. Units will be provided with single car garage and exterior parking for a second vehicle. This project meets the "Whole House" standards and is programmed in accordance with the Housing Community Development Plan and the Air Force Housing Guide.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

KEESLER AIR FORCE BASE, MISSISSIPPI

4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE FAMILY HOUSING, PHASE 1	MAHG024005

CURRENT SITUATION: These existing housing units were constructed in 1961. They showed the effects of age and heavy use. They have had no major upgrades since construction, and they do not meet the needs of today's families, nor do they provide a modem home environment. The kitchens require reconfiguration and replacement of deteriorated elements to provide adequate storage, cabinet and countertop areas. The bathrooms require replacement of all fixtures. The bathtubs and sinks have deteriorated to the point the cast iron is exposed. The electrical and plumbing systems do not meet current codes. Ground fault interrupter protection is not provided for bathrooms, kitchen and exterior circuits. Electrical grounding is not available. Flooring is chipped, stained, loose and mismatched. Ceilings sag and may collapse. The units lack adequate living and storage space. Exterior walls have no insulation.

IMPACT IF NOT PROVIDED: Units will continue to deteriorate rapidly, resulting in increasing operation and maintenance cost to the government and an inconvenience to residents. The electrical system will remain unreliable, difficult to maintain and inefficient. Electrical fire hazards will continue. Energy inefficiencies will persist. Air Force members and their families will continue to be housed in unsatisfactory conditions, affecting morale and the retention of quality personnel. For our Junior Non-Commissioned Officers, affordable off base housing is not available.

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 alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefit alternatives, new construction was found to be the most cost effective over the life of the project. 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. Base Civil Engineer: Lt Col David W. Funk, (228) 377-2615.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

KEESLER AIR FORCE BASE, MISSISSIPPI

4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE FAMILY HOUSING, PHASE 1	MAHG024005

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:	Design/Build
(1) Status:	
(a) Date Design Started	01 Aug 10
(b) Parametric Cost Estimate used to develop costs	N
(c) Percent Complete as of Jan 2002	35
(d) Date 35% Designed	01 Dec 10
(e) Date Design Complete	02 May 10
(f) Energy Study/Life-Cycle analysis was performed;	
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where design was most recently used -	N/A
(3) Total Cost (c)=(a)+(b) or(d)+(e):	($660)
(a) Production of Plans and Specifications	660
(b) All other Design Costs	0
(c) Total	660
(d) Contract	660
(e) In-house	
(4) Construction Start	03Mar
(5) Construction Completion	04Jun

b. Equipment associated with this project will be provided from other appropriations: N/A

MILITARY FAMILY HOUSING JUSTIFICATION	1. DATE OF REPORT Jul-01	2. FISCAL YEAR	REPORT CONTROL SYMBOL DD-A&L(AR)1716
3. DOD COMPONENT AIR FORCE	4. REPORTING INSTALLATION		
5. DATA AS OF 2001	a. NAME KEESLERAFB Phase 1	b. LOCATION MISSISSIPPI	

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT OFFICER (a)	CURRENT E9-E7 (b)	CURRENT E6-E1 (c)	CURRENT TOTAL (d)	PROJECTED OFFICER (e)	PROJECTED E9-E7 (f)	PROJECTED E6-E1 (g)	PROJECTED TOTAL (h)
9. TOTAL PERSONNEL STRENGTH	969	420	3,129	4,618	895	386	2,695	4,178
7. PERMANENT PARTY PERSONNEL	969	420	3,129	4.518	895	388	2,895	4,178
8. GROSS FAMILY HOUSING REQUIREMENTS	687	368	1,802	2,857	643	341	1,664	2,648
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	1	0	116	117				
a. INVOLUNTARILY SEPARATED	0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	1	0	116	117				
c. UNACCEPTABLE HOUSED IN COMMUNITY	0	0	0	0				
10. VOLUNTARY SEPARATIONS	33	34	158	225	29	32	146	207
11. EFFECTIVE HOUSING REQUIREMENTS	654	334	1,644	2,632	614	309	1,518	2,441
12. HOUSING ASSETS (a + b)	653	334	1,945	2,932	613	309	1,402	2,324
a. UNDER MILITARY CONTROL	286	176	1,351	1,813	286	176	934	1,396
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED	286	176	1,351	1,813	286	176	934	1,396
(2) UNDER CONTRACT/APPROVED					0	0	0	0
(3) VACANT	0	0	0	0				
(4) INACTIVE	0	0	0	0				
b. PRIVATE HOUSING	367	158	594	1,119	327	133	468	928
(1) ACCEPTABLY HOUSED	367	158	594	1,119				
(2) ACCEPTABLE VACANT RENTAL	0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT	1	0	(301)	(300)	1	0	116	117
14. PROPOSED PROJECT					1	0	116	117

15. REMARKS

Item 12.a.(1): 1360 on-base units are inadequate.
245 on-base surplus units are to be demolished.
172 additional surplus units will be retained till economic life expires.

DD FORM 1523, NOV 90

1. COMPONENT AIR FORCE	FY 2003 MILITARY CONSTRUCTION PROGRAM	2. DATE

INSTALLATION AND LOCATION	COMMAND:	5. AREA CONST COST INDEX
WHITEMAN AIR FORCE BASE, MISSOURI	AIR COMBAT COMMAND	1.01

6. Personnel Strength	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	OFF	ENL	CIV		OFF	ENL	CIV	TOTAL
AS OF 30 SEP 01	316	3037	615	0	0	0	22	92	91	4,173
END FY 2005	317	3042	612	0	0	0	22	92	91	4,176

7. INVENTORY DATA ($000)

Total Acreage:	5,214	
Inventory Total as of : (30 Sep 01)		3,862,814
Authorization Not Yet in Inventory:		0
Authorization Requested in this Program:		3,977
Authorization Included in the Following Program:	(FY 2004)	5,221
Planned in Next Three Years Program:		3,402
Remaining Deficiency:		0
Grand Total:		3,875,414

8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2003)

CATEGORY CODE	PROJECT TITLE	SCOPE	COST $,000	DESIGN START	STATUS CMPL
71 I-142	Replace Family Housing	22 UN	3,977	Jun-01	Jul-02

3a. Future Projects: Included in the Following Program: (FY2004)

71 I-142	Replace Family Housing	26 UN	5,221

3b. Future Projects: Typical Planned Next Three Years: (FY05-07)

III-142	Replace Family Housing	I8 UN	3,402

9c. Real Propery Maintenance Backlog This Installation 99,1 18

10. Mission or Major Functions: A bomber wing with two squadrons of B-2 aircraft; and an Air Force Reserve fighter wing with one A/OA-10 squadron.

DD Form 1390, 24 Jul 00

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. PROJECTTITLE
WHITEMAN AIR FORCE BASE, MISSOURI	REPLACE MILITARY FAMILY HOUSING

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST ($000)
88741	711-142	YWHG009404R2	3,977

9. COST ESTIMATE

ITEM	U/M	QUANTITY	UNIT COST	COST ($000)
MILITARY FAMILY HOUSING	U N	22	122,818	2,702
SUPPORTING FACILITIES	LS			882
SITE IMPROVEMENTS	LS			(95)
UTILITIES	LS			(250)
STREETS	LS			(262)
LANDSCAPING	LS			(50)
RECREATION	LS			(50)
DEMOLITION & ASBESTOS REMOVAL	LS			(150)
LAND ACQUISITION	LS			(25)
SUBTOTAL				3,584
CONTINGENCY (5%)				179
TOTAL CONTRACT COST				3,763
SUPERVISION INSPECTION AND OVERHEAD (5.7%)				214
TOTAL REQUEST				3,977
AREA COST FACTOR 1.01				

10. DESCRIPTION OF PROPOSED CONSTRUCTION: Design and construct 22 replacement NCO duplex family housing units with all necessary support. Includes: demolition, site development, utilities, roads, parking, sidewalks, street lighting, garages, storage, patios, privacy fencing, air conditioning, appliances, recreation and play areas, tot lots, neighborhood improvements, landscaping, and all other necessary support.

Paygrade	Bedroom	NSF	GSF	GSM	Project Factor	Cost Per GSM	No Units	($000) Total
EI-E6	3	1,315	1,630	151	0.820	732	22	2,702

Maximum size: E1-E6/3 Bedroom (1420 NSF/1760 GSF)

11. Requirement: 2,080 UN ADEQUATE: 1,211 UN SUBSTANDARD: 869 UN

PROJECT: Replace 22 Military Family Housing units on existing Air Force property then demolish 22 existing substandard units. (Current Mission)

REQUIREMENT: This project is required to provide modem and efficient housing for military members and their dependents stationed at Whiteman AFB. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. This is to provide replacement housing for base personnel. This housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. The units will provide a modem kitchen, living room dining room, and bath configuration, with ample interior and exterior storage and garages. Parking will be provided for a second vehicle and/or visitors. The neighborhood support infrastructure will be constructed to meet modem housing needs. Neighborhood enhancements will include landscaping, playgrounds, and recreation areas.

1. COMPONENT AIR FORCE	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE

3. INSTALLATION AND LOCATION

WHITEMAN AIR FORCE BASE, MISSOURI

4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE MILITARY FAMILY HOUSING	YWHG009404R2

CURRENT SITUATION: This project replaces housing constructed in 1954. They have had no major upgrades since construction and do not meet the needs of today's families. The new space requirements are not met by the existing facilities and expanding them is not feasible due to lack of building space.

IMPACT IF NOT PROVIDED: These houses will continue to deteriorate rapidly resulting in increasing operations, maintenance and repair costs to the Government and inconvenience to residents. Without this project repair of these units will continue in costly, piecemeal fashion with little or no improvements in living quality. Low morale and retention can be expected if such conditions are permitted to continue. Sufficient, affordable off-base housing is not available. The most recent Housing Market Analysis shows an on-base housing deficit of 129 units.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". The SIOH of 5.7% is for the Corps of Engineers. Whiteman's CE commander is Lt Col Rodney L. Croslen, DSN 975-3503, if you have any questions.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

WHITEMAN AIR FORCE BASE, MISSOURI

4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE MILITARY HOUSING	YWHG009404R2

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:	Design/Build
(1) Status:	
(a) Date Design Started	01 Aug 10
(b) Parametric Cost Estimate used to develop costs	N
(c) Percent Complete as of Jan 2002	35
(d) Date 35% Designed	01 Dec 15
(e) Date Design Complete	02 May 10
(f) Energy Study/Life-Cycle analysis was performed;	
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where design was most recently used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	($180)
(a) Production of Plans and Specifications	180
(b) All other Design Costs	0
(c) Total	180
(d) Contract	180
(e) In-house	
(4) Construction Start	03 Mar
(5) Construction Completion	04 Jun

b. Equipment associated with this project will be provided from other appropriations: N/A

MILITARY FAMILY HOUSING JUSTIFICATION	1. DATE OF REPORT Ott-96	2. FISCAL YEAR	REPORT CONTROL SYMBOL DD-A&L(AR)1716
3. DOD COMPONENT AIR FORCE	4. REPORTING INSTALLATION a. NAME WHITEMAN AFB Phase 3A	b. LOCATION MISSOURI	
5. DATA AS OF Jul-96			

ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT OFFICER (a)	CURRENT E9-E7 (b)	CURRENT E6-E1 (c)	CURRENT TOTAL (d)	PROJECTED OFFICER (e)	PROJECTED E9-E7 (f)	PROJECTED E6-E1 (g)	PROJECTED TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	307	275	2,358	2,895	308	276	2,336	2,922
7. PERMANENT PARTY PERSONNEL	307	275	2,313	2,895	308	278	2,336	2,622
8. GROSS FAMILY HOUSING REQUIREMENTS	235	250	1,515	2,000	271	248	1,561	2,080
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	0	0	22	22				
a. INVOLUNTARILY SEPARATED	0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	0	0	22	22				
c. UNACCEPTABLE HOUSED IN COMMUNITY	0	0	0	0				
10. VOLUNTARY SEPARATIONS	0	0	0	0	0	0	0	0
11. EFFECTIVE HOUSING REQUIREMENTS	235	250	1,515	2,000	271	248	1,561	2,080
12. HOUSING ASSETS (a + b)	125	161	1,493	1,779	161	159	1,539	1,859
a. UNDER MILITARY CONTROL	94	78	935	1,107	94	78	935	1,107
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED	94	78	935	1,107	94	78	935	1,107
(2) UNDER CONTRACT/APPROVED					0	0	0	0
(3) VACANT	0	0	0	0				
(4) INACTIVE	0	0	0	0				
b. PRIVATE HOUSING	31	83	558	672	67	81	604	752
(1) ACCEPTABLY HOUSED	31	83	558	672				
(2) ACCEPTABLE VACANT RENTAL	0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT	110	89	22	221	110	89	22	221
14. PROPOSED PROJECT					0	0	22	22

15. REMARKS

Item **12.a.(1):** 869 on-base units are inadequate.

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