



Department of the Air Force

Military Construction and Family Housing Program

FY 1999

Amended Budget Estimates

Justification Data Submitted to Congress

February 1998

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FY 1999 AMENDED BUDGET ESTIMATES

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**DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM
FISCAL YEAR 1999**

	PROJECT <u>AUTH</u>	AUTH FOR <u>APPROP</u>	<u>APPROP</u>
MILITARY CONSTRUCTION	(Sec 2301)	(Sec 2304)	
Inside the United States	340,915	340,915	340,915
Outside the United States	71,168	71,168	71,168
Planning and Design (10 USC 2807)	35,592	35,592	35,592
Unspecified Minor Construction (10 USC 2805)	7,135	7,135	7,135
TOTAL MILITARY CONSTRUCTION	454,810	454,810	454,810
MILITARY FAMILY HOUSING	(Sec 2302/2303)	(Sec 2304)	
New Construction	140,499	132,915	132,915
Improvements	81,778	81,778	81,778
Planning and Design	11,342	11,342	11,342
Subtotal	233,619	226,035	226,035
Operations, Utilities, and Maintenance	671,891	671,891	671,891
Leasing	118,072	118,072	118,072
Debt Payment	32	32	32
Subtotal	789,995	789,995	789,995
TOTAL MILITARY FAMILY HOUSING	1,023,614	1,016,030	1,016,030
GRAND TOTAL AIR FORCE	1,478,424	1,470,840	1,470,840

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<u>STATE/COUNTRY</u>	<u>INSTALLATION</u>	<u>PROJECT</u>	<u>PROJECT AUTH</u>	<u>AUTH FOR APPROP</u>	<u>APPROP AMOUNT</u>	<u>PAGE</u>
ALABAMA						
	MAXWELL AFB					
		OTS STUDENT DORMITORIES	12,765	12,765	12,765	49
		OTS DINING FACILITY	4,796	4,796	4,796	52
		FIRE TRAINING FACILITY	1,837	1,837	1,837	55
		<u>MAXWELL TOTAL:</u>	<u>19,398</u>	<u>19,398</u>	<u>19,398</u>	
		<u>ALABAMA TOTAL:</u>	<u>19,398</u>	<u>19,398</u>	<u>19,398</u>	
ALASKA						
	EIELSON AFB					
		CONSOLIDATED MUNITION FAC	4,352	4,352	4,352	59
		<u>EIELSON TOTAL:</u>	<u>4,352</u>	<u>4,352</u>	<u>4,352</u>	
		<u>ALASKA TOTAL:</u>	<u>4,352</u>	<u>4,352</u>	<u>4,352</u>	
CALIFORNIA						
	EDWARDS AFB					
		RENOVATE AIRCRAFT MAINT FAC	10,361	10,361	10,361	63
		<u>EDWARDS TOTAL:</u>	<u>10,361</u>	<u>10,361</u>	<u>10,361</u>	
	VANDENBERG AFB					
		SPACE IQT ACADEMIC FACILITY	9,209	9,209	9,209	67
		ADD/ALTER MISSILE MAINT FAC	9,500	9,500	9,500	70
		<u>VANDENBERG TOTAL:</u>	<u>18,709</u>	<u>18,709</u>	<u>18,709</u>	
		<u>CALIFORNIA TOTAL:</u>	<u>29,070</u>	<u>29,070</u>	<u>29,070</u>	
COLORADO						
	FALCON AFB					
		OPERATIONAL SUPPORT FACILITY	9,601	9,601	9,601	74
		<u>FALCON TOTAL:</u>	<u>9,601</u>	<u>9,601</u>	<u>9,601</u>	
	USAF ACADEMY					
		ADD/ALTER PREP SCHOOL BUILDING	4,413	4,413	4,413	78
		<u>USAF ACADEMY TOTAL:</u>	<u>4,413</u>	<u>4,413</u>	<u>4,413</u>	
		<u>COLORADO TOTAL:</u>	<u>14,014</u>	<u>14,014</u>	<u>14,014</u>	

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DISTRICT OF COLUMBIA						
BOLLING AFB						
		HONOR GUARD TECHNICAL SCHOOL	2,948	2,948	2,948	82
		<u>BOLLING TOTAL:</u>	<u>2,948</u>	<u>2,948</u>	<u>2,948</u>	
		<u>DISTRICT OF COLUMBIA TOTAL:</u>	<u>2,948</u>	<u>2,948</u>	<u>2,948</u>	
FLORIDA						
EGLIN AFB						
		DORMITORY	7,866	7,866	7,866	86
		SANTA ROSA ISLAND TEST SITES	12,571	12,571	12,571	89
		<u>EGLIN TOTAL:</u>	<u>20,437</u>	<u>20,437</u>	<u>20,437</u>	
EGLIN 9						
		CONTROL TOWER	2,014	2,014	2,014	93
		FIRE TRAINING FACILITY	1,823	1,823	1,823	96
		<u>EGLIN 9 TOTAL:</u>	<u>3,837</u>	<u>3,837</u>	<u>3,837</u>	
MACDILL AFB						
		KC-135 SIMULATOR FACILITY	2,514	2,514	2,514	100
		FIRE TRAINING FACILITY	2,494	2,494	2,494	103
		<u>MACDILL TOTAL:</u>	<u>5,008</u>	<u>5,008</u>	<u>5,008</u>	
		<u>FLORIDA TOTAL:</u>	<u>29,282</u>	<u>29,282</u>	<u>29,282</u>	
GEORGIA						
ROBINS AFB						
		DEPOT PLANT SERVICES FACILITY	11,894	11,894	11,894	107
		<u>ROBINS TOTAL:</u>	<u>11,894</u>	<u>11,894</u>	<u>11,894</u>	
		<u>GEORGIA TOTAL:</u>	<u>11,894</u>	<u>11,894</u>	<u>11,894</u>	
HAWAII						
HICKAM AFB						
		REPAIR AIRFIELD PAVEMENT	5,890	5,890	5,890	111
		<u>HICKAM TOTAL:</u>	<u>5,890</u>	<u>5,890</u>	<u>5,890</u>	
		<u>HAWAII TOTAL:</u>	<u>5,890</u>	<u>5,890</u>	<u>5,890</u>	

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IDAHO						
	MT HOME AFB					
		LAND ACQUISITION	1,000	1,000	1,000	115
		DORMITORY	8,897	8,897	8,897	117
		RANGE IMPROVEMENTS	2,400	2,400	2,400	120
		<u>MT HOME TOTAL:</u>	<u>12,297</u>	<u>12,297</u>	<u>12,297</u>	
		<u>IDAHO TOTAL:</u>	<u>12,297</u>	<u>12,297</u>	<u>12,297</u>	
MARYLAND						
	ANDREWS AFB					
		CHILD DEVELOPMENT CENTER	4,448	4,448	4,448	124
		<u>ANDREWS TOTAL:</u>	<u>4,448</u>	<u>4,448</u>	<u>4,448</u>	
		<u>MARYLAND TOTAL:</u>	<u>4,448</u>	<u>4,448</u>	<u>4,448</u>	
MISSISSIPPI						
	KEESLER AFB					
		TRAINING SUPPORT FACILITY	5,756	5,756	5,756	128
		STUDENT DORMITORIES	29,770	29,770	29,770	131
		<u>KEESLER TOTAL:</u>	<u>35,526</u>	<u>35,526</u>	<u>35,526</u>	
		<u>MISSISSIPPI TOTAL:</u>	<u>35,526</u>	<u>35,526</u>	<u>35,526</u>	
NEVADA						
	INDIAN SPRINGS FIELD					
		UAV LOGISTICS AND TRAINING FAC	3,965	3,965	3,965	135
		UAV- SQ OPS/AMU FACILITY	7,059	7,059	7,059	138
		UAV-COMM MAINT FAC/UTILITIES	3,989	3,989	3,989	141
		<u>INDIAN SPRINGS TOTAL:</u>	<u>15,013</u>	<u>15,013</u>	<u>15,013</u>	
	NELLIS AFB					
		DORMITORY	6,378	6,378	6,378	145
		<u>NELLIS TOTAL:</u>	<u>6,378</u>	<u>6,378</u>	<u>6,378</u>	
		<u>NEVADA TOTAL:</u>	<u>21,391</u>	<u>21,391</u>	<u>21,391</u>	

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NEW JERSEY						
	MCGUIRE AFB					
		DINING FACILITY	6,044	6,044	6,044	149
		<u>MCGUIRE TOTAL:</u>	<u>6,044</u>	<u>6,044</u>	<u>6,044</u>	
		<u>NEW JERSEY TOTAL:</u>	<u>6,044</u>	<u>6,044</u>	<u>6,044</u>	
NEW MEXICO						
	KIRTLAND AFB					
		FIRE TRAINING FACILITY	1,774	1,774	1,774	153
		<u>KIRTLAND TOTAL:</u>	<u>1,774</u>	<u>1,774</u>	<u>1,774</u>	
		<u>NEW MEXICO TOTAL:</u>	<u>1,774</u>	<u>1,774</u>	<u>1,774</u>	
NORTH DAKOTA						
	GRAND FORKS AFB					
		FIRE TRAINING FACILITY	2,686	2,686	2,686	157
		<u>GRAND FORKS TOTAL:</u>	<u>2,686</u>	<u>2,686</u>	<u>2,686</u>	
		<u>NORTH DAKOTA TOTAL:</u>	<u>2,686</u>	<u>2,686</u>	<u>2,686</u>	
OHIO						
	WRIGHT-PATTERSON AFB					
		ACQUISITION MANAGEMENT COMPLEX	22,000	22,000	22,000	161
		<u>WRIGHT-PATTERSON TOTAL:</u>	<u>22,000</u>	<u>22,000</u>	<u>22,000</u>	
		<u>OHIO TOTAL:</u>	<u>22,000</u>	<u>22,000</u>	<u>22,000</u>	
OKLAHOMA						
	TINKER AFB					
		COMBAT COMM SQ OPS FACILITY	5,085	5,085	5,085	165
		DORMITORY	9,100	9,100	9,100	168
		<u>TINKER TOTAL:</u>	<u>14,185</u>	<u>14,185</u>	<u>14,185</u>	
	VANCE AFB					
		FIRE TRAINING FACILITY	1,823	1,823	1,823	172
		<u>VANCE TOTAL:</u>	<u>1,823</u>	<u>1,823</u>	<u>1,823</u>	
		<u>OKLAHOMA TOTAL:</u>	<u>16,008</u>	<u>16,008</u>	<u>16,008</u>	

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SOUTH CAROLINA						
CHARLESTON AFB						
		DINING FACILITY	5,221	5,221	5,221	176
		C-17 LIFE SUPPORT FACILITY	4,701	4,701	4,701	179
		C-17 SQ OPS/AMU FACILITY	6,769	6,769	6,769	182
		C-17 SQ OPS/AMU FACILITY	7,639	7,639	7,639	185
		<u>CHARLESTON TOTAL:</u>	<u>24,330</u>	<u>24,330</u>	<u>24,330</u>	
		<u>SOUTH CAROLINA TOTAL:</u>	<u>24,330</u>	<u>24,330</u>	<u>24,330</u>	
TEXAS						
LACKLAND AFB						
		OPERATIONS FACILITY	8,130	8,130	8,130	189
		DORMITORY	6,800	6,800	6,800	192
		<u>LACKLAND TOTAL:</u>	<u>14,930</u>	<u>14,930</u>	<u>14,930</u>	
		<u>RANDOLPH TOTAL:</u>	<u>3,166</u>	<u>3,166</u>	<u>3,166</u>	
		<u>TEXAS TOTAL:</u>	<u>18,096</u>	<u>18,096</u>	<u>18,096</u>	

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WASHINGTON						
	FAIRCHILD AFB					
		KC-135 SQ OPS/AMU FACILITY	7,620	7,620	7,620	200
		<u>FAIRCHILD TOTAL:</u>	<u>7,620</u>	<u>7,620</u>	<u>7,620</u>	
	MCCHORD AFB					
		C-17 ADAL AIRCRAFT MAINT SHOP	2,321	2,321	2,321	205
		C-17 RAMP/HYDRANT FUEL SYS	18,025	18,025	18,025	208
		C-17 ALTER MAINTENANCE HANGARS	6,427	6,427	6,427	211
		C-17 ADAL SIMULATOR FAC	1,823	1,823	1,823	214
		C-17 REPAIR BASE ROADS	2,224	2,224	2,224	217
		C-17 ADD/ALTER AGE MAINT FAC	2,110	2,110	2,110	220
		C-17 FLIGHTLINE SUPPORT FAC	4,029	4,029	4,029	223
		C-17 SHORTFIELD ASSAULT STRIP	2,321	2,321	2,321	226
		C-17 ALTER COMPOSITE SHOP	1,630	1,630	1,630	229
		C-17 SQ OPS/AMU FACILITY	6,524	6,524	6,524	231
		C-17 LIFE SUPPORT EQUIPMENT FA	4,413	4,413	4,413	234
		<u>MCCHORD TOTAL:</u>	<u>51,847</u>	<u>51,847</u>	<u>51,847</u>	
		<u>WASHINGTON TOTAL:</u>	<u>59,467</u>	<u>59,467</u>	<u>59,467</u>	
		<u>INSIDE THE U.S. TOTAL:</u>	<u>340,915</u>	<u>340,915</u>	<u>340,915</u>	

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(DOLLARS IN THOUSANDS)
OUTSIDE THE U.S.

<u>STATE/COUNTRY</u>	<u>INSTALLATION</u>	<u>PROJECT</u>	<u>PROJECT AUTH</u>	<u>AUTH FOR APPROP</u>	<u>APPROP AMOUNT</u>	<u>PAGE</u>
GERMANY						
SPANGDAHLEM AB						
		CONSOL AIR CONTROL SQ OPS FAC	4,466	4,466	4,466	238
		DORMITORY	9,501	9,501	9,501	241
		<u>SPANGDAHLEM TOTAL:</u>	<u>13,967</u>	<u>13,967</u>	<u>13,967</u>	
		<u>GERMANY TOTAL:</u>	<u>13,967</u>	<u>13,967</u>	<u>13,967</u>	
KOREA						
KUNSAN AB						
		DORMITORY	5,958	5,958	5,958	245
		<u>KUNSAN TOTAL:</u>	<u>5,958</u>	<u>5,958</u>	<u>5,958</u>	
		OSAN AB				
		DORMITORY	7,496	7,496	7,496	249
		<u>OSAN TOTAL:</u>	<u>7,496</u>	<u>7,496</u>	<u>7,496</u>	
		<u>KOREA TOTAL:</u>	<u>13,454</u>	<u>13,454</u>	<u>13,454</u>	
TURKEY						
INCIRLIK AB						
		CENTRAL SECURITY CONTROL FAC	2,949	2,949	2,949	253
		<u>INCIRLIK TOTAL:</u>	<u>2,949</u>	<u>2,949</u>	<u>2,949</u>	
		<u>TURKEY TOTAL:</u>	<u>2,949</u>	<u>2,949</u>	<u>2,949</u>	
UNITED KINGDOM						
LAKENHEATH RAF						
		DORMITORIES	15,838	15,838	15,838	257
		<u>LAKENHEATH TOTAL:</u>	<u>15,838</u>	<u>15,838</u>	<u>15,838</u>	
		MILDENHALL AFB				
		KC-135 SQ OPS/AMU FACILITY	14,034	14,034	14,034	261
		DORMITORY	10,926	10,926	10,926	264
		<u>MILDENHALL TOTAL:</u>	<u>24,960</u>	<u>24,960</u>	<u>24,960</u>	
		<u>UNITED KINGDOM TOTAL:</u>	<u>40,798</u>	<u>40,798</u>	<u>40,798</u>	
		<u>OUTSIDE THE U.S. TOTAL:</u>	<u>71,168</u>	<u>71,168</u>	<u>71,168</u>	

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MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1999
(DOLLARS IN THOUSANDS)
WORLDWIDE

<u>STATE/COUNTRY</u>		<u>PROJECT</u>	<u>PROJECT</u> <u>AUTH</u>	<u>AUTH</u> <u>FOR</u> <u>APPROP</u>	<u>APPROP</u> <u>AMOUNT</u>	<u>PAGE</u>
<u>INSTALLATION</u>						
VARIOUS LOCATIONS						
VARIOUS						
		PLANNING AND DESIGN	35,592	35,592	35,592	268
		UNSPECIFIED MINOR CONSTRUCTION	7,135	7,135	7,135	270
		<u>VARIOUS TOTAL:</u>	<u>42,727</u>	<u>42,727</u>	<u>42,727</u>	
		<u>VARIOUS LOCATIONS TOTAL:</u>	<u>42,727</u>	<u>42,727</u>	<u>42,727</u>	
		<u>WORLDWIDE TOTAL:</u>	<u>42,727</u>	<u>42,727</u>	<u>42,727</u>	
		<u>FY 1999 TOTAL:</u>	<u>454,810</u>	<u>454,810</u>	<u>454,810</u>	

DEFINITIONS OF NEW AND CURRENT MISSION

NEW MISSION PROJECTS - These projects support the deployment and beddown of new weapons systems, new or additional aircraft, missile, and space projects and support of new equipment such as radar's, communications, computers satellite tracking and electronic security. New mission projects all support new programs and initiatives that do not revitalize the existing physical plant. The projects support new and additional requirements. Planning and design and minor construction are also included in this category.

CURRENT MISSION PROJECTS - These projects revitalize the existing facility plant by replacement or upgrading existing facilities and by alleviating long standing deficiencies not generated by new missions or equipment. Included are projects to improve the quality of life, upgrade the workplace and projects to increase productivity and achieve compliance with environmental, health and safety standards.

<u>FY 99</u>	<u>APPROP</u> <u>(\$000)</u>
NEW MISSION	\$134,306
CURRENT MISSION	\$277,777
PLANNING & DESIGN	\$ 35,592
MINOR CONSTRUCTION	\$ 7,135
TOTAL:	\$454,810

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CURRENT MISSION, NEW MISSION AND WORLDWIDE
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<u>STATE/COUNTRY</u>	<u>INSTALLATION</u>	<u>PROJECT</u>	<u>APPROP AMOUNT</u>	<u>TYPE</u>
ALABAMA				
	MAXWELL AFB			
		OTS STUDENT DORMITORIES	12,765	NM
		OTS DINING FACILITY	4,796	NM
		FIRE TRAINING FACILITY	1,837	CM
		<u>MAXWELL TOTAL:</u>	<u>19,398</u>	
		<u>ALABAMA TOTAL:</u>	<u>19,398</u>	
ALASKA				
	EIELSON AFB			
		CONSOLIDATED MUNITION FAC	4,352	CM
		<u>EIELSON TOTAL:</u>	<u>4,352</u>	
		<u>ALASKA TOTAL:</u>	<u>4,352</u>	
CALIFORNIA				
	EDWARDS AFB			
		RENOVATE AIRCRAFT MAINT FAC	10,361	CM
		<u>EDWARDS TOTAL:</u>	<u>10,361</u>	
	VANDENBERG AFB			
		SPACE IQT ACADEMIC FACILITY	9,209	NM
		ADD/ALTER MISSILE MAINT FAC	9,500	CM
		<u>VANDENBERG TOTAL:</u>	<u>18,709</u>	
		<u>CALIFORNIA TOTAL:</u>	<u>29,070</u>	
COLORADO				
	FALCON AFB			
		OPERATIONAL SUPPORT FACILITY	9,601	CM
		<u>FALCON TOTAL:</u>	<u>9,601</u>	
	USAF ACADEMY			
		ADD/ALTER PREP SCHOOL BUILDING	4,413	CM
		<u>USAF ACADEMY TOTAL:</u>	<u>4,413</u>	
		<u>COLORADO TOTAL:</u>	<u>14,014</u>	

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<u>STATE/COUNTRY</u>	<u>INSTALLATION</u>	<u>PROJECT</u>	<u>APPROP AMOUNT</u>	<u>TYPE</u>
DISTRICT OF COLUMBIA				
BOLLING AFB				
		HONOR GUARD TECHNICAL SCHOOL	2,948	NM
		<u>BOLLING TOTAL:</u>	<u>2,948</u>	
		<u>DISTRICT OF COLUMBIA TOTAL:</u>	<u>2,948</u>	
FLORIDA				
EGLIN AFB				
		DORMITORY	7,866	CM
		SANTA ROSA ISLAND TEST SITES	12,571	CM
		<u>EGLIN TOTAL:</u>	<u>20,437</u>	
		EGLIN 9		
		CONTROL TOWER	2,014	CM
		FIRE TRAINING FACILITY	1,823	CM
		<u>EGLIN 9 TOTAL:</u>	<u>3,837</u>	
		MACDILL AFB		
		KC-135 SIMULATOR FACILITY	2,514	NM
		FIRE TRAINING FACILITY	2,494	CM
		<u>MACDILL TOTAL:</u>	<u>5,008</u>	
		<u>FLORIDA TOTAL:</u>	<u>29,282</u>	
GEORGIA				
ROBINS AFB				
		DEPOT PLANT SERVICES FACILITY	11,894	CM
		<u>ROBINS TOTAL:</u>	<u>11,894</u>	
		<u>GEORGIA TOTAL:</u>	<u>11,894</u>	
HAWAII				
HICKAM AFB				
		REPAIR AIRFIELD PAVEMENT	5,890	CM
		<u>HICKAM TOTAL:</u>	<u>5,890</u>	
		<u>HAWAII TOTAL:</u>	<u>5,890</u>	

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1999
CURRENT MISSION, NEW MISSION AND WORLDWIDE
(DOLLARS IN THOUSANDS)
INSIDE THE U.S.

<u>STATE/COUNTRY</u>		<u>APPROP</u>	
<u>INSTALLATION</u>	<u>PROJECT</u>	<u>AMOUNT</u>	<u>TYPE</u>
IDAHO			
MT HOME AFB			
	LAND ACQUISITION	1,000	NM
	DORMITORY	8,897	CM
	RANGE IMPROVEMENTS	2,400	NM
	<u>MT HOME TOTAL:</u>	<u>12,297</u>	
	<u>IDAHO TOTAL:</u>	<u>12,297</u>	
MARYLAND			
ANDREWS AFB			
	CHILD DEVELOPMENT CENTER	4,448	CM
	<u>ANDREWS TOTAL:</u>	<u>4,448</u>	
	<u>MARYLAND TOTAL:</u>	<u>4,448</u>	
MISSISSIPPI			
KEESLER AFB			
	TRAINING SUPPORT FACILITY	5,756	CM
	STUDENT DORMITORIES	29,770	CM
	<u>KEESLER TOTAL:</u>	<u>35,526</u>	
	<u>MISSISSIPPI TOTAL:</u>	<u>35,526</u>	
NEVADA			
INDIAN SPRINGS FIELD			
	UAV LOGISTICS AND TRAINING FAC	3,965	NM
	UAV- SQ OPS/AMU FACILITY	7,059	NM
	UAV-COMM MAINT FAC/UTILITIES	3,989	NM
	<u>INDIAN SPRINGS TOTAL:</u>	<u>15,013</u>	
NELLIS AFB			
	DORMITORY	6,378	CM
	<u>NELLIS TOTAL:</u>	<u>6,378</u>	
	<u>NEVADA TOTAL:</u>	<u>21,391</u>	

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1999
CURRENT MISSION, NEW MISSION AND WORLDWIDE
(DOLLARS IN THOUSANDS)
INSIDE THE U.S.

<u>STATE/COUNTRY</u>	<u>INSTALLATION</u>	<u>PROJECT</u>	<u>APPROP AMOUNT</u>	<u>TYPE</u>
NEW JERSEY	MCGUIRE AFB	DINING FACILITY	6,044	CM
		<u>MCGUIRE TOTAL:</u>	<u>6,044</u>	
		<u>NEW JERSEY TOTAL:</u>	<u>6,044</u>	
NEW MEXICO	KIRTLAND AFB	FIRE TRAINING FACILITY	1,774	CM
		<u>KIRTLAND TOTAL:</u>	<u>1,774</u>	
		<u>NEW MEXICO TOTAL:</u>	<u>1,774</u>	
NORTH DAKOTA	GRAND FORKS AFB	FIRE TRAINING FACILITY	2,686	CM
		<u>GRAND FORKS TOTAL:</u>	<u>2,686</u>	
		<u>NORTH DAKOTA TOTAL:</u>	<u>2,686</u>	
OHIO	WRIGHT-PATTERSON AFB	ACQUISITION MANAGEMENT COMPLEX	22,000	CM
		<u>WRIGHT-PATTERSON TOTAL:</u>	<u>22,000</u>	
		<u>OHIO TOTAL:</u>	<u>22,000</u>	
OKLAHOMA	TINKER AFB	COMBAT COMM SQ OPS FACILITY	5,085	NM
		DORMITORY	9,100	CM
		<u>TINKER TOTAL:</u>	<u>14,185</u>	
	VANCE AFB	FIRE TRAINING FACILITY	1,823	CM
		<u>VANCE TOTAL:</u>	<u>1,823</u>	
		<u>OKLAHOMA TOTAL:</u>	<u>16,008</u>	

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1999
CURRENT MISSION, NEW MISSION AND WORLDWIDE
(DOLLARS IN THOUSANDS)
INSIDE THE U.S.

<u>STATE/COUNTRY</u>		<u>APPROP</u>	
<u>INSTALLATION</u>	<u>PROJECT</u>	<u>AMOUNT</u>	<u>TYPE</u>
SOUTH CAROLINA			
CHARLESTON AFB			
	DINING FACILITY	5,221	CM
	C-17 LIFE SUPPORT FACILITY	4,701	NM
	C-17 SQ OPS/AMU FACILITY	6,769	NM
	C-17 SQ OPS/AMU FACILITY	7,639	NM
	<u>CHARLESTON TOTAL:</u>	<u>24,330</u>	
	<u>SOUTH CAROLINA TOTAL:</u>	<u>24,330</u>	
TEXAS			
LACKLAND AFB			
	OPERATIONS FACILITY	8,130	CM
	DORMITORY	6,800	CM
	<u>LACKLAND TOTAL:</u>	<u>14,930</u>	
RANDOLPH AFB			
	BASE OPERATIONS FACILITY	3,166	CM
	<u>RANDOLPH TOTAL:</u>	<u>3,166</u>	
	<u>TEXAS TOTAL:</u>	<u>18,096</u>	

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1999
CURRENT MISSION, NEW MISSION AND WORLDWIDE
(DOLLARS IN THOUSANDS)
INSIDE THE U.S.

<u>STATE/COUNTRY</u>	<u>INSTALLATION</u>	<u>PROJECT</u>	<u>APPROP AMOUNT</u>	<u>TYPE</u>
WASHINGTON				
	FAIRCHILD AFB			
		KC-135 SQ OPS/AMU FACILITY	7,620	NM
		<u>FAIRCHILD TOTAL:</u>	<u>7,620</u>	
	MCCHORD AFB			
		C-17 ADAL AIRCRAFT MAINT SHOP	2,321	NM
		C-17 RAMP/HYDRANT FUEL SYS	18,025	NM
		C-17 ALTER MAINTENANCE HANGARS	6,427	NM
		C-17 ADAL SIMULATOR FAC	1,823	NM
		C-17 REPAIR BASE ROADS	2,224	NM
		C-17 ADD/ALTER AGE MAINT FAC	2,110	NM
		C-17 FLIGHTLINE SUPPORT FAC	4,029	NM
		C-17 SHORTFIELD ASSAULT STRIP	2,321	NM
		C-17 ALTER COMPOSITE SHOP	1,630	NM
		C-17 SQ OPS/AMU FACILITY	6,524	NM
		C-17 LIFE SUPPORT EQUIPMENT FA	4,413	NM
		<u>MCCHORD TOTAL:</u>	<u>51,847</u>	
		<u>WASHINGTON TOTAL:</u>	<u>59,467</u>	
		<u>INSIDE THE U.S. TOTAL:</u>	<u>340,915</u>	

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1999
CURRENT MISSION, NEW MISSION AND WORLDWIDE
(DOLLARS IN THOUSANDS)
OUTSIDE THE U.S.

<u>STATE/COUNTRY</u>	<u>INSTALLATION</u>	<u>PROJECT</u>	<u>APPROP AMOUNT</u>	<u>TYPE</u>
GERMANY				
	SPANGDAHLEM AB			
		CONSOL AIR CONTROL SQ OPS FAC	4,466	CM
		DORMITORY	9,501	CM
		<u>SPANGDAHLEM TOTAL:</u>	<u>13,967</u>	
		<u>GERMANY TOTAL:</u>	<u>13,967</u>	
KOREA				
	KUNSAN AB			
		DORMITORY	5,958	CM
		<u>KUNSAN TOTAL:</u>	<u>5,958</u>	
	OSAN AB			
		DORMITORY	7,496	CM
		<u>OSAN TOTAL:</u>	<u>7,496</u>	
		<u>KOREA TOTAL:</u>	<u>13,454</u>	
TURKEY				
	INCIRLIK AB			
		CENTRAL SECURITY CONTROL FAC	2,949	CM
		<u>INCIRLIK TOTAL:</u>	<u>2,949</u>	
		<u>TURKEY TOTAL:</u>	<u>2,949</u>	
UNITED KINGDOM				
	LAKENHEATH RAF			
		DORMITORIES	15,838	CM
		<u>LAKENHEATH TOTAL:</u>	<u>15,838</u>	
	MILDENHALL AFB			
		KC-135 SQ OPS/AMU FACILITY	14,034	CM
		DORMITORY	10,926	CM
		<u>MILDENHALL TOTAL:</u>	<u>24,960</u>	
		<u>UNITED KINGDOM TOTAL:</u>	<u>40,798</u>	
		<u>OUTSIDE THE U.S. TOTAL:</u>	<u>71,168</u>	

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1999
CURRENT MISSION, NEW MISSION AND WORLDWIDE
(DOLLARS IN THOUSANDS)
WORLDWIDE

<u>STATE/COUNTRY</u>		<u>APPROP</u>	
<u>INSTALLATION</u>	<u>PROJECT</u>	<u>AMOUNT</u>	<u>TYPE</u>
VARIOUS LOCATIONS			
VARIOUS			
	PLANNING AND DESIGN	35,592	NM
	UNSPECIFIED MINOR CONSTRUCTION	7,135	NM
	<u>VARIOUS TOTAL:</u>	<u>42,727</u>	
	<u>VARIOUS LOCATIONS TOTAL:</u>	<u>42,727</u>	
	<u>WORLDWIDE TOTAL:</u>	<u>42,727</u>	
	<u>FY 1999 TOTAL:</u>	<u>454,810</u>	

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**MILITARY CONSTRUCTION PROGRAM
 FY 1999 AMENDED PRESIDENT'S BUDGET
 INSTALLATION INDEX**

<u>INSTALLATION</u>	<u>COMMAND</u>	<u>STATE/COUNTRY</u>	<u>PAGE</u>
ANDREWS AFB	AMC	MARYLAND	123
BOLLING AFB	11 WG	DISTRICT OF COLUMBIA	81
CHARLESTON AFB	AMC	SOUTH CAROLINA	175
EDWARDS AFB	AFMC	CALIFORNIA	62
EGLIN AFB	AFMC	FLORIDA	85
EGLIN AUX FIELD #9	AFSOC	FLORIDA	92
EIELSON AFB	PACAF	ALASKA	58
FAIRCHILD AFB	AMC	WASHINGTON	199
FALCON AFB	SPACECOM	COLORADO	73
GRAND FORKS AFB	AMC	NORTH DAKOTA	156
HICKAM AFB	PACAF	HAWAII	110
INCIRLIK AB	USAFE	TURKEY	252
INDIAN SPRINGS AUX FIELD	ACC	NEVADA	134
KEESLER AFB	AETC	MISSISSIPPI	127
KIRTLAND AFB	SPACECOM	NEW MEXICO	152
KUNSAN AB	PACAF	KOREA	244
LACKLAND AFB	AETC	TEXAS	188
LAKENHEATH RAF	USAFE	UNITED KINGDOM	256
MACDILL AFB	AMC	FLORIDA	99
MAXWELL AFB	AETC	ALABAMA	48
MCCHORD AFB	AMC	WASHINGTON	203
MCGUIRE AFB	AMC	NEW JERSEY	148
MILDENHALL RAF	USAFE	UNITED KINGDOM	260
MOUNTAIN HOME AFB	ACC	IDAHO	114
NELLIS AFB	ACC	NEVADA	144
OSAN AB	PACAF	KOREA	248

**MILITARY CONSTRUCTION PROGRAM
 FY 1999 PRESIDENT'S BUDGET
 INSTALLATION INDEX**

<u>INSTALLATION</u>	<u>COMMAND</u>	<u>STATE/COUNTRY</u>	<u>PAGE</u>
RANDOLPH AFB	AETC	TEXAS	195
ROBINS AFB	AFMC	GEORGIA	106
SPANGDAHLEM AB	USAFE	GERMANY	237
TINKER AFB	AFMC	OKLAHOMA	164
USAF ACADEMY	USAF A	COLORADO	77
VANCE AFB	AETC	OKLAHOMA	171
VANDENBERG AFB	SPACECOM	CALIFORNIA	66
VARIOUS LOCATIONS	SUPPORT	WORLDWIDE	267/269
WRIGHT-PATTERSON AFB	AFMC	OHIO	160

**DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM
FISCAL YEAR 1999**

ECONOMIC CONSIDERATIONS

An economic evaluation has been accomplished for all projects costing over \$2 million and the results are addressed in the individual DD Forms 1391.

**DESIGN FOR ACCESSIBILITY OF PHYSICALLY HANDICAPPED
PERSONNEL**

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

ENVIRONMENTAL STATEMENT

In accordance with Section 102(2) (c) of the National Environmental Policy Act of 1969 (PL 91-190), the environmental impact analysis process (EIAP) has been completed or is actively underway for all projects in the Air Force FY 1999 Military Construction Program.

EVALUATION OF FLOOD PLAINS AND WETLANDS

All projects in the program have been evaluated for compliance with Executive Orders 11988, Flood plain Management, and 11990, Protection of Wetlands, and the Flood plain Management Guidelines of U.S. Water Resources Council. Projects have been sited to avoid or reduce the risk of flood loss, minimize the impact of floods or human safety, health and welfare, preserve and enhance the natural and beneficial values of wetlands and minimize the destruction, loss or degradation of wetlands.

ENVIRONMENTAL COMPLIANCE

The FY 99 MILCON request includes \$12 million for requirements necessary to correct current environmental noncompliance situations and to prevent future noncompliance. The environmental compliance target areas for this program include live fire training facilities.

CONGRESSIONAL REPORTING REQUIREMENTS

1. STATEMENTS ON NATO ELIGIBILITY

These are in response to the requirement in the FY 1988 Senate Appropriations Committee Report, 100-200, page 13, and are included in the appropriate project justification.

2. STATEMENTS ON COMPLIANCE WITH CONSTRUCTION MANUAL 4210.1M

These are in response to the requirement in the FY 1988 Senate Appropriations Conference Report, 100-498, page 1003, and are included in each project justification.

3. NEW AND CURRENT MISSION ACTIVITIES

The FY 1989 Senate Appropriations Committee Report, 100-380, pages 10 and 11, identified a requirement to include an exhibit in the budget justification books that displayed required projects in two separate categories: New Mission and Current Mission. The CM (current mission) or NM (new mission) designation which follows the project on the listing at page 13 identifies each project as new or current mission. Additionally, each justification in Block 11 of the DD Form 1391 indicates whether the project supports a new or current mission.

4. RESOLUTION TRUST CORPORATION ASSETS

The FY 1991 Senate Armed Services Committee Report 101-384, requested the Department to screen Resolution Trust Corporation assets to determine if proposed construction projects could be more economically met through the purchase of existing assets held by the Resolution Trust Corporation. The FY 99 Military Construction program was compared to the current real estate asset inventory published by the Resolution Trust Corporation. It was determined and the Department certified that no assets exist that can be economically used in lieu of the FY 99 projects requested.

5. REAL PROPERTY MAINTENANCE

The FY 1997 House Appropriations Committee Report 104-591, page 11, requested the Department to provide the real property maintenance backlog at all installations for which there is a requested construction project. Each DD Form 1390 reflects this information in block 12. In addition, all troop housing requests are to show all real property maintenance conducted in the past two years and all future requirements for unaccompanied housing at that installation. Each DD Form 1391 for troop housing reflects this information in block 11.

FY 1999

THIRD PARTY FINANCING

Test of long-term facilities contracts

NONE

FY 1999

NON-MILCON FUNDING

Research and Development (RDT&E) NONE

APPROPRIATIONS LANGUAGE

MILITARY CONSTRUCTION, AIR FORCE

For acquisition, construction, installation, and equipment of temporary or permanent public works, military installations, facilities, and real property of the Air Force as currently authorized by law \$454,810,000 to remain available until September 30, 2003: Provided that, of this amount, not to exceed \$35,592,000 shall be available for study, planning, design, architect and engineer services, as authorized by law, unless the Secretary of Defense determines that additional obligations are necessary for such purposes and notifies the Committees on Appropriations of both Houses of Congress of his determination and the reasons therefore.

Military Construction, Air Force
Program and Financing (in Thousands of dollars)

Identification code	Budget Plan (amounts for MILITARY CONSTRUCTION actions programmed)				Obligations	
	1997 actual	1998 est.	1999 est.	1997 actual	1998 est.	1999 est.
Program by activities:						
Direct program:						
00.0101	692,249	573,080	412,083	779,057	166,509	457,408
00.0201	10,128	8,545	7,135	9,167	10,197	5,161
00.0301	50,687	44,880	35,592	58,762	36,395	29,976
10.0001	753,064	626,505	454,810	846,986	213,101	492,545
Financing:						
17.0001	Recovery of prior year obligations					
	Unobligated balance available, start of year:					
21.4002	For completion of prior year budget plans					
21.4003	Available to finance new budget plans					
21.4009	-2,100			-298,667	-198,825	-612,229
22.1001	-6,813			-2,100		
22.2001	4,404			4,404		
	-6,404			-6,404		
24.4002	Unobligated balance transferred from other ac					
	Unobligated balance available, end of year:					
25.0001	198,825			198,825	612,229	574,494
	6,813			6,813		
39.0001	748,964	626,505	454,810	748,964	626,505	454,810
Budget authority						
40.0001	748,964	694,255	454,810	748,964	694,255	454,810
40.7901		-67,750			-67,750	
43.0001	748,964	626,505	454,810	748,964	626,505	454,810
Appropriation (adjusted)						
Relation of obligations to outlays:						
71.0001	Obligations incurred					
72.1001	Orders on hand, SOY					
72.4001	846,986			846,986	213,101	492,545
74.1001	-78			-78	98	
74.4001	807,058			807,058	895,116	414,624
77.0001	-98			-98	-98	
78.0001	-895,116			-895,116	-414,624	-276,715
	14,435			14,435		
	-894			-894		
90.0001	772,293			772,293	693,593	630,454
Outlays (net)						

Military Construction, Air Force
 Object Classification (in Thousands of dollars)

Identification code	57-3300-0-1-051	1997 actual	1998 est.	1999 est.
Direct obligations:				
132.001	Land and structures	846,986	213,101	492,545
199.001	Total Direct obligations	846,986	213,101	492,545
999.901	Total obligations	846,986	213,101	492,545
Obligations are distributed as follows:				
	Defense-Military:Army	598,294	419,180	344,553
	Defense-Military:Navy	133,014	6,491	6,381
	Defense-Military:Air Force	121,748	114,125	112,196
	Department of Transportation	556	1,081	1,063
	Total Obligations	853,612	540,877	464,193

Pages 30 - 47
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1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)										2. DATE
AIR FORCE											
3. INSTALLATION AND LOCATION					4. COMMAND					5. AREA CONST	
MAXWELL AIR FORCE BASE, ALABAMA					AIR EDUCATION AND TRAINING COMMAND					COST INDEX	
										0.84	
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 97		1009	1671	1580	438	2		1092	46	112	5,950
b. End FY 2003		989	1687	1551	438	2		1092	46	112	5,917
7. INVENTORY DATA (\$000)											
a. Total Acreage: (3,497)											
b. Inventory Total As Of: (30 SEP 97)											235,589
c. Authorization Not Yet In Inventory:											0
d. Authorization Requested In This Program:											19,398
e. Authorization Included In Following Program: (FY 2000)											0
f. Planned In Next Three Program Years:											21,300
g. Remaining Deficiency:											65,800
h. Grand Total:											342,087
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY				SCOPE				COST		DESIGN STATUS	
<u>CODE</u>		<u>PROJECT TITLE</u>				<u>(\$000)</u>		<u>START</u>		<u>CMPL</u>	
179-511	FIRE TRAINING FACILITY				1 EA		1,837	AUG 97		SEP 98	
722-351	OFFICER TRAINING SCHOOL (OTS) DINING FACILITY				2,300 SM		4,796	FEB 97		SEP 98	
724-433	OFFICER TRAINING SCHOOL (OTS) STUDENT DORMITORIES				345 PN		12,765	MAR 97		SEP 98	
TOTAL:							19,398				
9a. Future Projects: Included in the Following Program (FY 2000) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
724-417	OTS CADET DORMITORY (COT)				180 PN		7,900				
724-417	SOS DORMITORIES				162 PN		13,400				
10. Mission or Major Functions: Headquarters Air University; Air War College; Air Command and Staff College; Squadron Officer School; Officer Training School; College for Aerospace Doctrine, Research, and Education; AF Quality Institute; Ira C Eaker College for Professional Development; AF Doctrine Center; Air Force Historical Research Agency; Headquarters AF Reserve Officer Training Corps; Headquarters Civil Air Patrol; Community College of the Air Force; an Air base wing with C-21 aircraft; and an Air Force Reserve airlift wing with one C-130 squadron.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:											0
b. Water pollution:											0
c. Occupational safety and health:											0
d. Other Environmental:											0
12. Real Property Maintenance Backlog This Installation											49,675

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MAXWELL AIR FORCE BASE, ALABAMA			OFFICER TRAINING SCHOOL (OTS) STUDENT DORMITORIES		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.47.22	724-433	PNQS953117	12,765		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
OFFICER TRAINING SCHOOL (OTS) STUDENT DORMITORIES (345 PN)					9,488
CADET QUARTERS		SM	8,625	1,100	(9,488)
SUPPORTING FACILITIES					1,981
UTILITIES		LS			(765)
PAVEMENTS		LS			(856)
SITE IMPROVEMENTS		LS			(290)
SPECIAL FOUNDATION		LS			(70)
SUBTOTAL					11,469
CONTINGENCY (5%)					573
TOTAL CONTRACT COST					12,042
SUPERVISION, INSPECTION AND OVERHEAD (6%)					723
TOTAL REQUEST					12,765
TOTAL REQUEST (ROUNDED)					12,765
10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, structural steel frame, and architecturally compatible roof. Includes room-bath modules, laundry, storage, study areas, luggage room, Charge of Quarters (QC) area, covered entry, assembly pad, and all necessary support. Air Conditioning: 405 KW.					
11. REQUIREMENT: 486 PN ADEQUATE: 0 SUBSTANDARD: 456 PN PROJECT: Construct two Officer Training School (OTS) dormitories. (New Mission) REQUIREMENT: OTS provides Basic Officer training (BOT) for candidate officers commissioned upon graduation and Commissioned Officer Training (COT) for candidates commissioned without basic training (usually in medical and legal fields). Adequate living quarters and support facilities are required to accommodate a 345 BOT average student load. These dormitories will be part of the OTS campus required to maintain the necessary environment for training future Air Force officers. CURRENT SITUATION: OTS relocated to Maxwell AFB in 1993 with an average student load of 368 candidates. Since then, two actions have occurred. First, ROTC officer production numbers have dropped-off. Second, the Air Force is replacing the large number of officers who entered service between 1978-1982 by relying on increased OTS production. BOT is programmed to grow from 661 students per year in FY98 to 1235 students per year in FY02. This student load will generate 1000 graduates per year. BOT cadets are currently housed in Squadron Officer School (SOS) dormitories, however quarters for BOT are not available to support the projected student load increase. The SOS dormitories currently being used					

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
MAXWELL AIR FORCE BASE, ALABAMA		
4. PROJECT TITLE	5. PROJECT NUMBER	
OFFICER TRAINING SCHOOL (OTS) STUDENT DORMITORIES	PNQS953117	
<p>are substandard, in poor condition, and are programmed for demolition as part of the SOS dormitory replacement program. In addition, SOS production has increased to over 700 students per class to allow all officers to attend SOS in residence. A separate campus sized for the projected OTS student load is currently not available, leading to a mixture of the two schools and impact to the unique OTS environment. The SOS dormitories will remain in use to provide interim, workaround housing until the OTS campus is completed. Upon completion of the new dormitories, currently occupied dormitories will be demolished.</p> <p><u>IMPACT IF NOT PROVIDED:</u> With this increased student load, OTS will lose the ability to maintain a proper training environment to indoctrinate officer candidates into the Air Force way of life. Other schools, like SOS, must continue to be scaled back or contract quarters use must be increased (currently estimated at \$1,000,000/year) for other students to reside off base.</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization, 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." BASE CIVIL ENGINEER: Lt Col Gregory W. Coker (334) 953-6944. FY 1996 Unaccompanied Housing RPM Conducted: \$1,526K. FY 1997 Unaccompanied Housing RPM Conducted: \$1,265K. Future Unaccompanied housing RPM Requirement (estimated): FY98=\$1.53M; FY99=\$1.37M; FY00=\$1.4M; FY01= \$1.4M; FY02=\$1,4M; FY03=\$1.4M.</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
MAXWELL AIR FORCE BASE, ALABAMA		
4. PROJECT TITLE	5. PROJECT NUMBER	
OFFICER TRAINING SCHOOL (OTS) STUDENT DORMITORIES	PNQS953117	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	97 MAR 28	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1998	35%	
(d) Date 35% Designed.	97 DEC 22	
(e) Date Design Complete	98 SEP 11	
(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): (\$000)		
(a) Production of Plans and Specifications	766	
(b) All Other Design Costs	383	
(c) Total	1149	
(d) Contract	862	
(e) In-house	287	
(4) Construction Start		
	99 JAN	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
AIR FORCE						
3. INSTALLATION AND LOCATION				4. PROJECT TITLE		
MAXWELL AIR FORCE BASE, ALABAMA				OFFICER TRAINING SCHOOL (OTS) DINING FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)			
8.47.22	722-351	PNQS953116	4,796			
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
OFFICER TRAINING SCHOOL (OTS) DINING FACILITY		SM	2,300		3,615	
DINING FACILITY		SM	1,550	1,800	(2,790)	
STUDENT ACTIVITY AREA		SM	750	1,100	(825)	
SUPPORTING FACILITIES					694	
UTILITIES		LS			(230)	
PAVEMENTS		LS			(210)	
SITE IMPROVEMENTS		LS			(254)	
SUBTOTAL					4,309	
CONTINGENCY (5%)					215	
TOTAL CONTRACT COST					4,524	
SUPERVISION, INSPECTION AND OVERHEAD (6%)					271	
TOTAL REQUEST					4,795	
TOTAL REQUEST (ROUNDED)					4,796	
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, brick exterior, sloped roof system, and fire protection. Facility includes dining area, serving line, kitchen, dishwashing area, refrigerated and non-perishable storage, receiving area, office, latrines, covered queuing area, student activity area, and necessary support. Air Conditioning: 221 KW.						
11. REQUIREMENT: 2,300 SM ADEQUATE: 0 SUBSTANDARD: 270 SM PROJECT: Construct an OTS dining facility with attached activity area. (New mission) REQUIREMENT: An adequately sized and configured dining facility is required to support the increased student load of the Officer Training School (OTS). Facility will provide space for food preparation, dishwashing equipment, dining area, and food storage. An adjacent but distinctly separate area for student activities is required to provide trainees separate space from active duty personnel for breaks and informal meetings. Economies of scale will be gained by combining this requirement with the dining facility. OTS has programmed for 2500 Basic Officer Training (BOT) and Commissioned Officer Training (COT) students entering in FY98, and this number will grow to 3000 students in FY00. CURRENT SITUATION: The existing permanent party dining facility shared by OTS does not have the capacity to accommodate the personnel increase projected. An addition is not possible because of existing site constraints. This project will allow OTS personnel to have an efficient, appealing, dedicated and adequate dining operation close to their dormitory and academic facilities. A dedicated dining facility will improve training by eliminating distractions caused by joint use of the						

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
MAXWELL AIR FORCE BASE, ALABAMA		
4. PROJECT TITLE	5. PROJECT NUMBER	
OFFICER TRAINING SCHOOL (OTS) DINING FACILITY	PNQS953116	
<p>current facility with permanent party personnel. The school currently loses 1.5 hours per cadet per day marching cadets.5 miles from the dormitories and academic facilities to the existing dining facility. This reduces available training and study time which consequently reduces training quality.</p> <p><u>IMPACT IF NOT PROVIDED:</u> OTS training will be adversely impacted if "Shift Feeding" must be expanded. Serving times would have to be extended causing rescheduling of classes and extending the training day. The time available for training would be reduced impacting the quality of training. Serving times for permanent party personnel will have to be further limited to accommodate OTS cadets.</p> <p><u>ADDITIONAL:</u> All known alternative options were considered during the development of this project. Expansion of the existing facility is impossible due to site constraints and the use of off-base facilities is not possible due to the need for a controlled training environment. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide." BASE CIVIL ENGINEER: Lt Col Gregory W. Coker, (334) 953-6944</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MAXWELL AIR FORCE BASE, ALABAMA		
4. PROJECT TITLE	5. PROJECT NUMBER	
OFFICER TRAINING SCHOOL (OTS) DINING FACILITY	PNQS953116	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	97 FEB 03	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1998	35%	
(d) Date 35% Designed.	97 SEP 23	
(e) Date Design Complete	98 SEP 11	
(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): (\$000)		
(a) Production of Plans and Specifications	288	
(b) All Other Design Costs	144	
(c) Total	432	
(d) Contract	324	
(e) In-house	108	
(4) Construction Start	99 JAN	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MAXWELL AIR FORCE BASE, ALABAMA			FIRE TRAINING FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
8.57.56	179-511	PNQS993131	1,837		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE FIRE TRAINING FACILITY		LS			1,350
SUPPORTING FACILITIES					300
UTILITIES		LS			(125)
SITE IMPROVEMENTS		LS			(70)
PAVEMENTS		LS			(55)
DEMOLITION		LS			(50)
SUBTOTAL					1,650
CONTINGENCY (5%)					83
TOTAL CONTRACT COST					1,733
SUPERVISION, INSPECTION AND OVERHEAD (6%)					104
TOTAL REQUEST					1,837
TOTAL REQUEST (ROUNDED)					1,837
10. Description of Proposed Construction: Construct a fire training facility to include a lined and environmentally acceptable fire training pit; standard aircraft mockup; tank for propane gas; pumps, piping, and storage system for fuel and water; lighting; fencing; roads; and necessary support. Demolish existing fire training facility.					
11. REQUIREMENT: As required.					
PROJECT: Construct a fire training facility. (Current Mission)					
REQUIREMENT: This is a level I Environmental Compliance Requirement. A live fire training facility which meets Clean Water Act, Clean Air Act, and Resource Conservation and Recovery Act is required to simulate large scale aircraft fires to conduct training in accordance with Air Force established policy. Acceptable fire training facilities include a double lined impermeable fire pit with leak detection system under the burn area, and a water conservation system to prevent contamination of land and ground water. Live fire training is an Air Force and Federal Aviation Administration (FAA) training requirement for fire fighters to maintain a high level of proficiency.					
CURRENT SITUATION: The existing facility does not meet the current Air Force design requirements for an environmentally safe fire training facility meeting the Clean Water Act (40 CFR 122). The facility still uses liquid fuel for training exercises with only a single lining for containment with no leak detection. The facility also lacks a detention basin to collect the fire suppression solution and runoff resulting from training exercises. The existing aircraft mock-up does not have the necessary features for all proper simulation in all training scenarios. This facility is used by on-base personnel and Air National Guard personnel.					

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
MAXWELL AIR FORCE BASE, ALABAMA		
4. PROJECT TITLE	5. PROJECT NUMBER	
FIRE TRAINING FACILITY	PNQS993131	
<p><u>IMPACT IF NOT PROVIDED:</u> Fire fighters will not be able to meet Air Force and FAA training requirements for remaining proficient in aircraft crash fire fighting and rescue techniques if the existing facility is closed. The safety of both the firefighters and aircraft accident victims would be compromised by lack of proper training. Traveling to other installations to conduct the fire training exercises is not feasible for the fire fighters because of cost and the level of manning required to remain at the installation to support the flying/training mission.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". BASE CIVIL ENGINEER: Lt Col Gregory W. Coker, (334) 953-6944.</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MAXWELL AIR FORCE BASE, ALABAMA		
4. PROJECT TITLE	5. PROJECT NUMBER	
FIRE TRAINING FACILITY	PNQS993131	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	97 AUG 12	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1998	35%	
(d) Date 35% Designed.	97 AUG 14	
(e) Date Design Complete	98 SEP 01	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	TYNDALL	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	37	
(b) All Other Design Costs	37	
(c) Total	74	
(d) Contract	56	
(e) In-house	18	
(4) Construction Start 99 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX			
EIELSON AIR FORCE BASE, ALASKA				PACIFIC AIR FORCES				1.73			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 97		254	2617	661				54	113	574	4,273
b. End FY 2003		249	2587	658				54	113	574	4,235
7. INVENTORY DATA (\$000)											
a. Total Acreage: (19,790)											
b. Inventory Total As Of: (30 SEP 97) 593,840											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 4,352											
e. Authorization Included In Following Program: (FY 2000) 10,200											
f. Planned In Next Three Program Years: 33,520											
g. Remaining Deficiency: 280,181											
h. Grand Total: 922,093											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START	CMP		
214-425	CONSOLIDATED MUNITIONS FACILITY			1,000 SM		4,352		TURN KEY			
						TOTAL:	4,352				
9a. Future Projects: Included in the Following Program (FY 2000)											
113-321	REPAIR KC-135 PARKING RAMP			LS		4,000					
215-552	WEAPONS & RELEASE SYSTEMS FACILITY			2,700 SM		6,200		TURN KEY			
						TOTAL:	10,200				
9b. Future Projects: Typical Planned Next Three Years:											
111-111	REPAIR RUNWAY			LS		13,000					
214-426	MUNITIONS VEHICLE HEATED PARKING FACILITY			3,400 SM		2,500					
441-257	HAZARDOUS WASTE COLLECTION FACILITY			675 SM		2,100					
721-312	DORMITORY			120 PN		15,920					
10. Mission or Major Functions: The host fighter wing supports an F-16 squadron, an A/OA-10 squadron, and a training squadron which conducts COPE THUNDER exercises. The installation also hosts an Air National Guard air refueling squadron (KC-135) and a trainig group that conducts arctic survival training.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:										0	
b. Water pollution:										0	
c. Occupational safety and health:										0	
d. Other Environmental:										2,100	
12. Real Property Maintenance Backlog This Installation										58,604	

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION		4. PROJECT TITLE			
EIELSON AIR FORCE BASE, ALASKA		CONSOLIDATED MUNITIONS FACILITY			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
2.75.96	214-425	FTQW973008R1	4,352		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
CONSOLIDATED MUNITIONS FACILITY		SM	1,000	2,950	2,950
SUPPORTING FACILITIES					941
UTILITIES		LS			(320)
SITE IMPROVEMENTS		LS			(155)
PAVEMENTS		LS			(140)
COMMUNICATION SUPPORT		LS			(106)
ENVIRONMENTAL SITE REMEDIATION		LS			(220)
SUBTOTAL					3,891
CONTINGENCY (5%)					195
TOTAL CONTRACT COST					4,086
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)					266
TOTAL REQUEST					4,352
TOTAL REQUEST (ROUNDED)					4,352
10. Description of Proposed Construction: Cast-in-place concrete foundation and slab over non frost-susceptible backfill, CMU walls, steel structural framing and inverted roof membrane assembly (IRMA) roof. Provide access roads, electric utility extension, potable water well, septic system, paved shop apron, and parking with electrical outlets.					
11. REQUIREMENT: 6,388 SM ADEQUATE: 418 SM SUBSTANDARD: 6,112 SM PROJECT: Construction of a consolidated munitions facility. (Current Mission)					
REQUIREMENT: A facility close to the flightline and other weapons maintenance operations with maintenance bays for eight trailers, a compressed air system with drop lines in all bays, an overhead rail-mounted hoist capable of lifting triple-stacked munitions trailers, and an air or hydraulic floor lift. A paint room and carpentry shop; mechanical, equipment, tool, and break rooms; latrines, and office space for the equipment maintenance and line delivery sections.					
CURRENT SITUATION: The trailer maintenance function and line delivery dispatch office currently share space in two facilities which provide space for two of eight munitions trailers. One of these facilities is a nosedock where aircraft maintenance has priority. This often prevents necessary repairs and maintenance from taking place on weapons trailers. Both trailer maintenance and the dispatch office have been forced to relocate three times in the last two years. Separating these functions from the weapons maintenance operations functions creates inherent inefficiencies, wasting man-hours and fuel. In addition this small maintenance area presents an operational bottleneck.					
IMPACT IF NOT PROVIDED: Line delivery will continue to be a limiting factor in sortie generation due to uncertain trailer maintenance					

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION EIELSON AIR FORCE BASE, ALASKA		
4. PROJECT TITLE CONSOLIDATED MUNITIONS FACILITY	5. PROJECT NUMBER FTQW973008R1	
<p>capabilities. Potential savings of over 19,000 gallons of fuel and over 23,000 man-hours annually will not be realized due to distances between these functions and the weapons maintenance operation.</p> <p><u>ADDITIONAL</u>: There is no criteria/scope for this activity in Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria and scope specified in Air Force Handbook 32-1084 "Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: Lt Col Rich Howell, 907-377-5213.</p>		

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE				
3. INSTALLATION AND LOCATION EIELSON AIR FORCE BASE, ALASKA						
4. PROJECT TITLE CONSOLIDATED MUNITIONS FACILITY	5. PROJECT NUMBER FTQW973008R1					
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by one step turn key procedures</p> <p>(2) Basis:</p> <table data-bbox="357 651 1396 724"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Design Allowance 261</p> <p>(4) Construction Start 99 JAN</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used -	N/A
(a) Standard or Definitive Design -	NO					
(b) Where Design Was Most Recently Used -	N/A					

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)									2. DATE
AIR FORCE										
3. INSTALLATION AND LOCATION	EDWARDS AIR FORCE BASE, CALIFORNIA			4. COMMAND	AIR FORCE MATERIEL COMMAND			5. AREA CONST	COST INDEX 1.21	
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 97	651	3438	3095				242	390	749	8,565
b. End FY 2003	612	3085	3051				242	390	749	8,129
7. INVENTORY DATA (\$000)										
a. Total Acreage:	(300,723)									
b. Inventory Total As Of:	(30 SEP 97)									805,374
c. Authorization Not Yet In Inventory:										0
d. Authorization Requested In This Program:										10,361
e. Authorization Included In Following Program:	(FY 2000)									0
f. Planned In Next Three Program Years:										37,500
g. Remaining Deficiency:										102,300
h. Grand Total:										955,535
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999										
CATEGORY				SCOPE			COST (\$000)		DESIGN STATUS	
CODE	PROJECT TITLE			SCOPE			(\$000)		START	CMPL
211-152	RENOVATE AIRCRAFT MAINTENANCE FACILITY			LS			10,361		TURN KEY	
							TOTAL:		10,361	
9a. Future Projects: Included in the Following Program (FY 2000) NONE										
9b. Future Projects: Typical Planned Next Three Years:										
111-111	ADD TO AND ALTER NORTH BASE RUNWAY			LS			16,000			
134-375	ADD TO AND ALTER TRACON			2,471 SM			3,200			
610-281	CONSOLIDATED SUPPORT FACILITY			5,800 SM			10,800			
740-674	ADD TO AND ALTER PHYSICAL FITNESS TRAINING CENTER			4,100 SM			7,500			
10. Mission or Major Functions: Air Force Flight Test Center for Research and Development which is responsible for flight test activities for all USAF aircraft and related avionics, flight control, and weapons systems; a test wing; an air base wing; Air Force Test Pilot School; and Propulsion Directorate of Phillips Laboratory. Also, a landing site for the space shuttle.										
11. Outstanding pollution and safety (OSHA) deficiencies:										
a. Air pollution:									2,000	
b. Water pollution:									2,900	
c. Occupational safety and health:									0	
d. Other Environmental:									1,800	
12. Real Property Maintenance Backlog This Installation									378,498	

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA			2. DATE
AIR FORCE	(computer generated)			
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
EDWARDS AIR FORCE BASE, CALIFORNIA		RENOVATE AIRCRAFT MAINTENANCE FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
7.28.06	211-152	FSPM903017	10,361	

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
RENOVATE AIRCRAFT MAINTENANCE FACILITY				7,400
MECHANICAL SYSTEM UPGRADE	LS			(2,000)
ELECTRICAL SYSTEM UPGRADE	LS			(1,800)
FIRE PROTECTION SYSTEM UPGRADE	LS			(2,800)
STRUCTURAL MODIFICATIONS	LS			(800)
SUPPORTING FACILITIES				1,490
UTILITIES	LS			(640)
SITE IMPROVEMENTS	LS			(210)
DEMOLITION OF OBSOLETE SYSTEMS	LS			(640)
SUBTOTAL				8,890
CONTINGENCY (10%)				889
TOTAL CONTRACT COST				9,779
SUPERVISION, INSPECTION AND OVERHEAD (6%)				587
TOTAL REQUEST				10,366
TOTAL REQUEST (ROUNDED)				10,361

10. Description of Proposed Construction: Renovate infrastructure systems including water, electrical, structural, HVAC, and fire systems. Demolish any obsolete or unused systems throughout the facility. Project includes work to correct existing safety hazards, fire detection systems and upgrade building systems to meet current code standards for the industrial workplace.

11. REQUIREMENT: As required.
PROJECT: Renovate aircraft maintenance facility. (Current Mission)
REQUIREMENT: The Air Force Flight Test Center (AFFTC) requires an adequately configured aircraft maintenance facility to support maintenance and repair activities on test aircraft. The building infrastructure must be reliable and free of safety hazards.
CURRENT SITUATION: The aircraft maintenance facility houses all of the general maintenance and repair operations for aircraft assigned to the AFFTC. This facility was built in the 1950s and the electrical, mechanical, water/plumbing and fire deluge systems have deteriorated to a point where major upgrade is required. The building systems inadequately support advanced electronic systems used for aircraft maintenance. System failures and work stoppages are common due to unreliable electrical and mechanical systems.
IMPACT IF NOT PROVIDED: Failure to provide facility infrastructure renovation will continue to delay maintenance supporting AFFTC aircraft. Test programs will be delayed and test costs will increase. The substandard conditions within this building will seriously impact the overall flight test mission at AFFTC. Facility maintenance costs will rise at an excessive rate.
ADDITIONAL: This project meets the criteria/scope specified in the Air

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE RENOVATE AIRCRAFT MAINTENANCE FACILITY	5. PROJECT NUMBER FSPM903017	
<p>Force Handbook 32-1084, "Facility Requirements." An economic analysis has been prepared comparing the alternatives of new construction, infrastructure renovation, and status quo operation. Based on the net present values and benefits of respective alternatives, renovation was found to be the most cost efficient over the life of the project. BASE CIVIL ENGINEER: Col Steven Kukuk, (805) 277-2910. the building number is 1600.</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE RENOVATE AIRCRAFT MAINTENANCE FACILITY	5. PROJECT NUMBER FSPM903017	
12. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Project to be accomplished by one step turn key procedures (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Design Allowance 435 (4) Construction Start 98 DEC b. Equipment associated with this project will be provided from other appropriations: N/A		

65

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND			5. AREA CONST				
VANDENBERG AIR FORCE BASE, CALIFORNIA				AIR FORCE SPACE COMMAND			COST INDEX 1.25				
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 97		645	2472	1163							4,280
b. End FY 2003		626	2171	941							3,738
7. INVENTORY DATA (\$000)											
a. Total Acreage: (98,256)											
b. Inventory Total As Of: (30 SEP 97) 1,146,524											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 18,709											
e. Authorization Included In Following Program: (FY 2000) 0											
f. Planned In Next Three Program Years: 6,250											
g. Remaining Deficiency: 65,473											
h. Grand Total: 1,236,956											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START		CMPL	
171-627		SPACE INITIAL QUALIFICATION TRAINING ACADEMIC FACILITY		3,800 SM		9,209		APR 97		MAY 98	
212-216		ADD TO AND ALTER MISSILE MAINTENANCE FACILITY		7,550 SM		9,500		TURN KEY			
						TOTAL:		18,709			
9a. Future Projects: Included in the Following Program (FY 2000) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
740-674		ADD TO AND ALTER PHYSICAL FITNESS CENTER		1,000 SM		4,450					
831-155		SLC-WASTE WATER RECLAMATION		2 EA		1,800					
10. Mission or Major Functions: Headquarters Fourteenth Air Force; a space wing with UH-1 aircraft; West Coast space launch and missile test operations; an Air Force Materiel Command detachment of the Space and Missile Systems Center; and an Air Education and Training Command space and missile training group.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution: 3,052											
b. Water pollution: 6,446											
c. Occupational safety and health: 0											
d. Other Environmental: 6,187											
12. Real Property Maintenance Backlog This Installation 121,772											

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION		4. PROJECT TITLE			
VANDENBERG AIR FORCE BASE, CALIFORNIA		SPACE INITIAL QUALIFICATION TRAINING ACADEMIC FACILITY			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
8.47.35	171-627	XUMU983005	9,209		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
SPACE IQT ACADEMIC FACILITY		SM	3,800		6,580
TECHNICAL TRAINING SUPPORT/CLASSROOMS		SM	2,800	1,600	(4,480)
TECHNICAL TRAINING LABORATORY		SM	1,000	2,100	(2,100)
SUPPORTING FACILITIES					1,694
UTILITIES, COMMUNICATION SUPPORT, EMCS		LS			(490)
SITE IMPROVEMENTS & SPECIAL FOUNDATION		LS			(400)
PAVEMENTS		LS			(393)
DEMOLISH MODULAR FACILITY		SM	2,350	175	(411)
SUBTOTAL					8,274
CONTINGENCY (5%)					414
TOTAL CONTRACT COST					8,688
SUPERVISION, INSPECTION AND OVERHEAD (6%)					521
TOTAL REQUEST					9,209
TOTAL REQUEST (ROUNDED)					9,209
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(720)
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, split-face concrete masonry walls, steel structural frame, and tile roof. Includes classrooms, administrative & instructors' offices, computer room, logistical storage, parking, utilities, handicap access, communication network, and all necessary support. Demolish one interim facility. Air Conditioning: 360 KW.					
11. REQUIREMENT: 10,800 SM ADEQUATE: 6,900 SM SUBSTANDARD: 0 PROJECT: Construct Space Initial Qualification Academic Facility (New Mission) REQUIREMENT: An adequately sized and configured academic facility is required to support the beddown of Space Initial Qualification Training (IQT) at Vandenberg AFB. As part of the Air Force effort to improve, consolidate, and streamline training, the 533rd Training Squadron (TRS) has relocated from Peterson AFB and the 534th TRS has relocated from Falcon AFS to consolidate with missile training at Vandenberg AFB. CURRENT SITUATION: The 533rd and 534th TRSs began training at Vandenberg AFB in Jun 96 supported by a temporary beddown. Sufficient quantity of adequate permanent space is not available at Vandenberg AFB to support the entire beddown. As a result, workarounds were developed using existing relocatable modular facilities and other space available, until Sep 99. This project provides a facility to replace the modular facility and other short term space. The modular facility has a leaky roof, warped doorways, and foundation underpinnings which are uneven and require continued adjustment. It is Air Force and DoD policy to use relocatable, modular facilities to support short term requirements pending replacement with					

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION VANDENBERG AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE SPACE INITIAL QUALIFICATION TRAINING ACADEMIC FACILITY	5. PROJECT NUMBER XUMU983005	
<p>permanent construction. A temporary extension for the use of this modular facility has been authorized until Sep 99 to support the initial beddown. <u>IMPACT IF NOT PROVIDED</u>: Space Initial Qualification Training production could not continue at its current production figures. IQT production figures would be significantly reduced to fit its current permanent space. As a result, trained personnel would not be available for space operations.</p> <p><u>ADDITIONAL</u>: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Handbook 32-1084 "Standard Facility Requirements". No other option could meet the mission requirements. Therefore, an economic analysis was not performed. certificate of exception has been prepared. The manpower numbers and mission requirements related to this project are based on FY 2000 force structure information. BASE CIVIL ENGINEER: Col Samuel Garcia, (805) 866-6855</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
AIR FORCE	(computer generated)		
3. INSTALLATION AND LOCATION			
VANDENBERG AIR FORCE BASE, CALIFORNIA			
4. PROJECT TITLE		5. PROJECT NUMBER	
SPACE INITIAL QUALIFICATION TRAINING ACADEMIC FACILITY		XUMU983005	
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a)	Date Design Started		97 MAY 20
(b)	Parametric Cost Estimates used to develop costs		N
(c)	Percent Complete as of Jan 1998		35%
(d)	Date 35% Designed.		97 DEC 03
(e)	Date Design Complete		98 AUG 15
(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):			(\$000)
(a)	Production of Plans and Specifications		553
(b)	All Other Design Costs		276
(c)	Total		829
(d)	Contract		622
(e)	In-house		207
(4)	Construction Start		99 JAN
b. Equipment associated with this project will be provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
PREWIRED WORK STATIONS	3400	2000	720

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION	4. PROJECT TITLE			
VANDENBERG AIR FORCE BASE, CALIFORNIA	ADD TO AND ALTER MISSILE MAINTENANCE FACILITY			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
3.59.96	212-216	XUMU933000R	9,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ADAL MISSILE MAINTENANCE FACILITY				7,318
ADD ADMIN AND CLASSROOM	SM	1,850	1,600	(2,960)
ADD WAREHOUSE	SM	1,250	920	(1,150)
ADD PROOF LOAD FAC AND VAULT EXPANSION	LS			(518)
ALTER MISSILE SERVICE SHOP	SM	4,350	600	(2,610)
ALTER TECHNICAL TRAINING LAB/SHOP	SM	100	800	(80)
SUPPORTING FACILITIES				855
UTILITIES/ASBESTOS REMOVAL/PAVEMENT	LS			(330)
DEMOLITION	SM	3,750	140	(525)
SUBTOTAL				8,173
CONTINGENCY (10%)				817
TOTAL CONTRACT COST				8,990
SUPERVISION, INSPECTION AND OVERHEAD (6%)				539
TOTAL REQUEST				9,529
TOTAL REQUEST (ROUNDED)				9,500
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(902)
10. Description of Proposed Construction: ADD: Concrete slab, masonry walls, steel frame floor and roof. Include heating/ventilation, fire protection, communications pre-wiring, utilities, site-work, paving, and new proof load test facility. ALTER: Install fire protection/modify floor plan. Insulate and weatherize. Reconfigure ceiling. Install wall and floor coverings. Includes demolition of facilities totaling 3,750 SM.				
11. REQUIREMENT: 7,550 SM ADEQUATE: 0 SUBSTANDARD: 8,200 SM PROJECT: Add to and alter missile maintenance facility. (Current Mission) REQUIREMENT: This project supports the Force Application mission of Air Force Space Command. Provide a properly configured, efficient, and consolidated facility for Minuteman ICBM Follow-On Test and Evaluation (FOT&E) activities to eliminate safety hazards, provide adequate storage space, prevent facility degradation and mission failure and provide minimum acceptable working conditions for all workers. The facility and the associated maintenance crews must remain in a continual state of readiness to respond to maintenance emergencies. CURRENT SITUATION: FOT&E operations are impaired by inadequate and decentralized facilities. The 34 year old proof load test facility, used to verify specialized vehicles' capability to safely handle missile boosters and components, floods during heavy rain causing submersion of critical support equipment. The flooding causes corrosion of the support equipment in addition to electrical safety hazards and waste disposal problems. Failure of this facility would cause major delays in the FOT&E programs and the only solution would be to transport the vehicles to Hill AFB in Utah for verification. This verification is accomplished whenever missile boosters are installed at or removed from a launch facility. The 35 year old maintenance facility is poorly configured and inefficient. It				

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION

VANDENBERG AIR FORCE BASE, CALIFORNIA

4. PROJECT TITLE

ADD TO AND ALTER MISSILE MAINTENANCE FACILITY

5. PROJECT NUMBER

XUMU933000R

has no fire sprinklers and has numerous code violations and life safety hazards. Space for operations staff and maintenance personnel is crowded and inadequate. Storage space is inadequate. In the codes vault, classified spare parts are stacked on shelves and on the ceiling of the TEMPEST enclosure--a safety hazard. The Equipment Configuration Section does not have space for all their equipment. Some are stored inconveniently in the halls and some in another facility. This creates an inventory and resource protection constraint. The Pad Refurbishment Supply Point is located in a dilapidated, termite infested WWII wood facility which provides only part of the needed space. The facility has no fire protection, does not meet electric or seismic codes and has dry rot. Loss of this facility would delay the FOT&E mission.

IMPACT IF NOT PROVIDED: FOT&E of ICBM fleet will be severely impaired and delayed. Shipping transport vehicles to an alternate test facility at Hill AFB for verification is costly (\$8,600 per occurrence) and time consuming, taking away the means of transporting boosters and components to test silos. If such a failure caused delay of a launch, then the extra cost could be as high as \$738,000. The codes vault will continue to store parts in an unsafe manner. Equipment storage space will continue to be inadequate and lack required physical security. Due to cracking in the walls and damaged floors, the high bay pressurized air system will eventually fail. Inefficient operations impact the Missile/Space mission.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide." However, this project does meet the criteria/scope specified in Air Force Handbook 32-1084, "Standard Facility Requirements." An economic analysis has been prepared comparing the alternatives of new construction, add to and alter, and status quo operation. Based on the net present values and benefits of the respective alternatives, add to and alter was found to be the most cost efficient alternative over the life of the project. In addition, the Minuteman III will be undergoing two upgrades, the Guidance Replacement Program and the Propulsion Replacement Program. Failure to upgrade these facilities will delay these programs. BASE CIVIL ENGINEER: Lt Col William Quinn, (805) 734-8232. the building number is 6601.

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
AIR FORCE	(computer generated)		
3. INSTALLATION AND LOCATION			
VANDENBERG AIR FORCE BASE, CALIFORNIA			
4. PROJECT TITLE		5. PROJECT NUMBER	
ADD TO AND ALTER MISSILE MAINTENANCE FACILITY		XUMU933000R	
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Project to be accomplished by one step turn key procedures			
(2) Basis:			
(a) Standard or Definitive Design -			NO
(b) Where Design Was Most Recently Used -			N/A
(3) Design Allowance			350
(4) Construction Start			98 DEC
b. Equipment associated with this project will be provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
SYSTEMS FURNITURE	3400	1999	902

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)							2. DATE		
AIR FORCE											
3. INSTALLATION AND LOCATION					4. COMMAND			5. AREA CONST			
FALCON AIR FORCE BASE, COLORADO					AIR FORCE			COST INDEX			
					SPACE COMMAND			1.06			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 97		754	1697	421							2,872
b. End FY 2003		717	1463	389							2,569
7. INVENTORY DATA (\$000)											
a. Total Acreage: (4,102)											
b. Inventory Total As Of: (30 SEP 97)											255,880
c. Authorization Not Yet In Inventory:											0
d. Authorization Requested In This Program:											9,601
e. Authorization Included In Following Program: (FY 2000)											0
f. Planned In Next Three Program Years:											23,200
g. Remaining Deficiency:											31,212
h. Grand Total:											319,893
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START	CMPL		
610-243	OPERATIONAL SUPPORT FACILITY			4,300 SM		9,601		JUN 97	JUL 98		
						TOTAL:	9,601				
9a. Future Projects: Included in the Following Program (FY 2000) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
610-243	LOGISTICS SUPPORT FACILITY			4,450 SM		8,900					
740-674	PHYSICAL FITNESS CENTER			2,000 SM		4,000					
740-884	CHILD DEVELOPMENT CENTER			2,200 SM		5,200					
831-168	SANITARY SEWER LINE			LS		5,100					
10. Mission or Major Functions: A space wing; the Space Warfare Center; and the National Test Bed Joint Program Office.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:											0
b. Water pollution:											5,500
c. Occupational safety and health:											0
d. Other Environmental:											325
12. Real Property Maintenance Backlog This Installation											16,416

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
FALCON AIR FORCE BASE, COLORADO			OPERATIONAL SUPPORT FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
3.59.96	610-243	GLEN983006	9,601		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
OPERATIONAL SUPPORT FACILITY		SM	4,300	1,400	6,020
SUPPORTING FACILITIES					2,610
UTILITIES		LS			(1,200)
COMMUNICATIONS DUCTS/SUPPORT		LS			(350)
SITE IMPROVEMENTS		LS			(250)
PAVEMENTS		LS			(460)
DEMOLITION		LS			(350)
SUBTOTAL					8,630
CONTINGENCY (5%)					432
TOTAL CONTRACT COST					9,062
SUPERVISION, INSPECTION AND OVERHEAD (6%)					544
TOTAL REQUEST					9,606
TOTAL REQUEST (ROUNDED)					9,601
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(1,135)
10. Description of Proposed Construction: Precast concrete and steel framed structure with exterior finish to complement existing base facilities. Project shall include comprehensive interior design. Includes all necessary mechanical, electrical, fire suppression, utilities, site work, and removal of existing modular building. Air Conditioning: 185 KW.					
11. REQUIREMENT: As required.					
PROJECT: Construct an operational support facility. (Current Mission)					
REQUIREMENT: Permanent work space is required for military personnel, civilian employees, and contractors who directly support missions at Falcon. Falcon was originally built as an operations center to support growing DoD requirements in the Space Shuttle program. After the Challenger disaster, the mission changed to support DoD satellite programs. Falcon became a base vice an operations center and now the available facilities to support this mission are inadequate or nonexistent. This support includes technical engineering, repair, and maintenance for mission essential computer systems; control of network systems to ensure compatibility; communications maintenance to support voice and data networks; and engineering and management to operate, maintain, and update mission critical support systems facilities. Project includes demolition of temporary modular facility.					
CURRENT SITUATION: The support functions described above are located in a "temporary" facility erected in 1987. The Air Force purchased this facility in 1993 from the contractor for the purpose of relocating Space Command personnel from downtown leased facilities. This "temporary" facility is actually 118 trailers bolted together and placed on temporary					

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
FALCON AIR FORCE BASE, COLORADO		
4. PROJECT TITLE	5. PROJECT NUMBER	
OPERATIONAL SUPPORT FACILITY	GLEN983006	
<p>concrete block columns. It has already exceeded the five year design life by three years. Annual maintenance costs have increased significantly each year. During the first five years, the annual maintenance costs averaged \$75K. Over the last three years, annual maintenance costs exceeded \$240K. There are individual roof-mounted HVAC units for every two trailers. Roof leaks are a constant problem, hampering the mission and damaging equipment. In addition, a May 1995 architectural engineering study which addressed safety and maintenance repairs identified \$1M worth of repairs. Safety items include washed out columns, weak floor foundations, broken tie-down anchors, and buckled roof sheathing. The study also identified requirements for replacing roof and wall siding and repairing sheathing. This is the workplace for 233 professionals.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The infrastructure requirements of the diversified DoD satellite missions including Global Positioning Satellites (GPS), Defense Satellite Program (DSP), Defense Satellite Communication System (DSCS), and other classified DoD satellite missions are forcing overcrowding in all facilities. With the present permanent floor space at Falcon already being over utilized by various Air Force space-related missions, permanent space to support these missions does not exist. Costs to maintain these temporary facilities will continue to escalate until the point where it becomes more economical to replace them with new temporary facilities, estimated to cost \$5M.</p> <p><u>ADDITIONAL:</u> 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 benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. BASE CIVIL ENGINEER: Lt Col Steve Lillemon, (719) 567-4200.</p>		
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1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
AIR FORCE	(computer generated)		
3. INSTALLATION AND LOCATION			
FALCON AIR FORCE BASE, COLORADO			
4. PROJECT TITLE		5. PROJECT NUMBER	
OPERATIONAL SUPPORT FACILITY		GLEN983006	
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a)	Date Design Started		97 JUN 06
(b)	Parametric Cost Estimates used to develop costs		N
(c)	Percent Complete as of Jan 1998		65%
(d)	Date 35% Designed.		97 SEP 11
(e)	Date Design Complete		98 JUL 24
(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):			(\$000)
(a)	Production of Plans and Specifications		538
(b)	All Other Design Costs		200
(c)	Total		738
(d)	Contract		620
(e)	In-house		118
(4)	Construction Start		99 JAN
b. Equipment associated with this project will be provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
SYSTEM FURNITURE	3400	2000	1135

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)									2. DATE
AIR FORCE										
3. INSTALLATION AND LOCATION	UNITED STATES AIR FORCE ACADEMY, COLORADO			4. COMMAND	UNITED STATES AIR FORCE ACADEMY			5. AREA CONST COST INDEX	1.02	
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 97	1014	1022	1924				21	4000	190	8,171
b. End FY 2003	1013	1024	1919				21	4000	190	8,167
7. INVENTORY DATA (\$000)										
a. Total Acreage:	(53,276)									
b. Inventory Total As Of:	(30 SEP 97)									426,440
c. Authorization Not Yet In Inventory:										0
d. Authorization Requested In This Program:										4,413
e. Authorization Included In Following Program:	(FY 2000)									21,500
f. Planned In Next Three Program Years:										34,717
g. Remaining Deficiency:										36,490
h. Grand Total:										523,560
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999										
CATEGORY						COST	DESIGN STATUS			
CODE	PROJECT TITLE			SCOPE		(\$000)	START	CMP		
171-853	ADD TO AND ALTER PREP SCHOOL BUILDINGS			3,300 SM		4,413	JUL 97	JUL 98		
TOTAL:						4,413				
9a. Future Projects: Included in the Following Program (FY 2000)										
171-853	UPGRADE ACADEMIC FACILITY			13,000 SM		21,500				
TOTAL:						21,500				
9b. Future Projects: Typical Planned Next Three Years:										
219-943	ZONE MAINTENANCE FACILITY			2,787 SM		2,500				
730-832	ADD TO AND ALTER SECURITY FORCES FACILITY			1,125 SM		1,900				
740-673	ADD TO AND ALTER ATHLETIC FACILITIES				LS	19,991				
821-117	UPGRADE FACILITIES HEATING SYSTEM				LS	7,518				
841-161	REPAIR BASE INFRASTRUCTURE				LS	2,808				
10. Mission or Major Functions: Responsible for providing education and training for cadets to become Air Force officers with three flying training squadrons supporting T-41/T-3, and glider aircraft; and an air base wing.										
11. Outstanding pollution and safety (OSHA) deficiencies:										
a. Air pollution:										0
b. Water pollution:										0
c. Occupational safety and health:										0
d. Other Environmental:										0
12. Real Property Maintenance Backlog This Installation										190,360

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1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION UNITED STATES AIR FORCE ACADEMY, COLORADO		4. PROJECT TITLE ADD TO AND ALTER PREP SCHOOL BUILDINGS		
5. PROGRAM ELEMENT 8.58.96	6. CATEGORY CODE 171-853	7. PROJECT NUMBER XQPZ950036	8. PROJECT COST (\$000) 4,413	
9. COST ESTIMATES				
ITEM		U/M	QUANTITY	UNIT COST (\$000)
ADD TO AND ALTER PREP SCHOOL BUILDINGS		SM	3,300	3,350
ALTER PREP SCHOOL OFFICE BUILDING		SM	1,400	1,000 (1,400)
ALTER PREP SCHOOL CLASSROOM BUILDING		SM	1,400	1,000 (1,400)
ADD STAIR TOWERS TO EACH BUILDING		SM	500	1,100 (550)
SUPPORTING FACILITIES				435
ASBESTOS ABATEMENT		LS		(320)
PAVEMENTS		LS		(15)
SITE IMPROVEMENTS		LS		(100)
SUBTOTAL				3,785
CONTINGENCY (10%)				379
TOTAL CONTRACT COST				4,164
SUPERVISION, INSPECTION AND OVERHEAD (6%)				250
TOTAL REQUEST				4,414
TOTAL REQUEST (ROUNDED)				4,413
10. Description of Proposed Construction: Alter and renovate spaces within existing concrete frame, curtain walled buildings and construct elevators. Add stairs and an elevator to the end of each building. Replace all interior walls, interior finishes, mechanical and electrical systems, exterior window wall systems, and communication systems. Correct life safety code deficiencies and remove asbestos containing materials. Air Conditioning: 190 KW.				
11. REQUIREMENT: 3,300 SM ADEQUATE: 0 SUBSTANDARD: 2,800 SM PROJECT: Add to and alter Prep School buildings. (Current Mission) REQUIREMENT: The Prep School requires modern, safe, technology supportive, and environmentally conducive facilities to train and prepare Prep School cadets for integration into the Academy Cadet Wing. Academic spaces must accommodate program changes, greater reliance on computers, and a growing demand for technologically oriented curriculum. A consolidated facilities approach to training and education will allow the Prep School to fully accomplish its mission. CURRENT SITUATION: The office and classroom buildings were designed as enlisted dormitory rooms in 1959 and no major upgrade or renovation work has occurred to date. Both buildings currently have offices, classrooms, and dormitory rooms. Interior stairs, walls, and doors do not meet current fire and life safety codes, a condition that would jeopardize people's lives in the event of a fire. This project moves the stairwells to the ends of the buildings meeting the Life Safety Code requirements. Inadequate ventilation and insulation as well as solar gain cause office and classroom daily temperatures to exceed 95 degrees. Computer equipment is being damaged due to these high temperatures. The configuration of				

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION UNITED STATES AIR FORCE ACADEMY, COLORADO		
4. PROJECT TITLE ADD TO AND ALTER PREP SCHOOL BUILDINGS	5. PROJECT NUMBER XQPZ950036	
<p>these classrooms cannot accommodate computer labs and/or audio visual presentations, which severely limits an instructor's ability to teach. The lack of office space impacts the instructor's productivity and makes private counseling sessions impossible. There are no meeting rooms or classrooms large enough to accommodate classes of 25 or more students. The existing exterior wall system in one of the buildings is without insulation, which compounds the existing mechanical systems' control problems. Lack of insulation and malfunctioning valves causes water pipes to freeze and burst several times a year, causing damage to carpeting, furniture, and personal belongings. Elevators are required to meet accessibility requirements for the disabled.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Personnel will continue to be exposed to a high risk of injury or death in the event of a fire. Offices and classrooms will continue to function in improperly configured, poorly insulated, poorly lighted spaces, degrading the mission to help students become academically prepared for integration into the Academy Cadet Wing. Makeshift computer labs will not fulfill academic requirements. Water damage will continue to occur, and computer equipment will continue to be damaged from the excessive room temperatures. Energy will continue to be wasted by heating an energy inefficient building. The buildings will continue to be inaccessible to disabled personnel.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However this project does meet the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." 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, revitalization and addition was found to be the most cost efficient over the life of the project. BASE CIVIL ENGINEER Col Susanne Waylett, (719)333-2660. The buildings number are 5216 and 5220</p> <p>79</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
UNITED STATES AIR FORCE ACADEMY, COLORADO		
4. PROJECT TITLE	5. PROJECT NUMBER	
ADD TO AND ALTER PREP SCHOOL BUILDINGS	XQPZ950036	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	97 JUL 12	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1998	35%	
(d) Date 35% Designed.	97 DEC 01	
(e) Date Design Complete	98 JUL 17	
(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): (\$000)		
(a) Production of Plans and Specifications	264	
(b) All Other Design Costs	191	
(c) Total	455	
(d) Contract	350	
(e) In-house	105	
(4) Construction Start		
99 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)										2. DATE
AIR FORCE											
3. INSTALLATION AND LOCATION					4. COMMAND					5. AREA CONST	
BOLLING AIR FORCE BASE, DISTRICT OF COLUMBIA					AIR FORCE DISTRICT OF WASHINGTON					COST INDEX 0.96	
6. PERSONNEL	PERMANENT			STUDENTS			SUPPORTED				
STRENGTH	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL	
a. As of 30 SEP 97	503	1396	931				301	803	40	3,974	
b. End FY 2003	497	1393	887				301	803	40	3,921	
7. INVENTORY DATA (\$000)											
a. Total Acreage:	(607)										
b. Inventory Total As Of:	(30 SEP 97)										247,908
c. Authorization Not Yet In Inventory:											0
d. Authorization Requested In This Program:											2,948
e. Authorization Included In Following Program:	(FY 2000)										0
f. Planned In Next Three Program Years:											13,330
g. Remaining Deficiency:											18,500
h. Grand Total:											282,686
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY	CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	STATUS CMPL					
171-833		HONOR GUARD TECHNICAL SCHOOL	1,300 SM	2,948	SEP 97	AUG 98					
			TOTAL:	2,948							
9a. Future Projects:	Included in the Following Program (FY 2000) NONE										
9b. Future Projects:	Typical Planned Next Three Years:										
432-283		ICE STORAGE FACILITY	1,400 SM	750							
721-315		TRANSIENT QUARTERS, PH 1	2,400 SM	3,936							
721-315		TRANSIENT QUARTERS, PH 2	1,350 SM	2,282							
730-773		CHAPEL CENTER ADDITION	232 SM	1,250							
740-884		CHILD CARE ANNEX	2,550 SM	1,950							
10. Mission or Major Functions:	Supports Air Force personnel in the National Capitol Region. Headquarters USAF functions include Chief of Chaplains, Surgeon General, and Historian; Headquarters Air Force Office of Special Investigation; Air Force Office of Scientific Research; Air Force Legal Services Agency; Air Force Medical Operating Agency; USAF Band; and USAF Honor Guard; and a support wing.										
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:											0
b. Water pollution:											25
c. Occupational safety and health:											150
d. Other Environmental:											0
12. Real Property Maintenance Backlog This Installation											75,315

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
BOLLING AIR FORCE BASE, WASHINGTON DC			HONOR GUARD TECHNICAL SCHOOL		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
9.12.12	171-833	BXUR980005	2,948		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
HONOR GUARD TECHNICAL SCHOOL		SM	1,300		1,723
TECHNICAL SCHOOL		SM	550	1,267	(697)
ADMINISTRATION SUPPORT		SM	750	1,368	(1,026)
SUPPORTING FACILITIES					925
UTILITIES/FIRE PROTECTION		LS			(185)
PAVEMENTS/LIGHTING		LS			(80)
SITE IMPROVEMENTS		LS			(165)
DEMOLITION		SM	700	186	(130)
PILE FOUNDATIONS		LS			(200)
COMMUNICATION SUPPORT		LS			(165)
SUBTOTAL					2,648
CONTINGENCY (5%)					132
TOTAL CONTRACT COST					2,780
SUPERVISION, INSPECTION AND OVERHEAD (6%)					167
TOTAL REQUEST					2,947
TOTAL REQUEST (ROUNDED)					2,948
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab with special foundations (piles) as needed, brick masonry , roof system and necessary HVAC/utilities. Facility to include training rooms, administrative areas and offices. Air Conditioning: 130 KW.					
11. REQUIREMENT: 1,300 SM ADEQUATE: 0 SUBSTANDARD: 700 SM PROJECT: Construct an honor guard facility (New Mission) REQUIREMENT: Facilities are required to house a newly established school for honor guard units throughout the Air Force including a technical school, headquarters, and administration functions to accomplish the USAF Honor Guard Mission. The buildings will include classrooms, supply, storage, changing areas, offices and training areas for 600 honor guard students from around the Air Force (including Air Force Reserve and Air National Guard)per year plus the HQ USAF Honor Guard. Exterior drill pad to be part of design. Entire design must meet National Capital Planning Commission and The Commission of Fine Arts requirements for facilities in the District of Columbia. CURRENT SITUATION: HQ USAF created a technical school for honor guard training at Bolling AFB to take advantage of the expertise possessed by the USAF honor guard personnel currently stationed on base. The technical school will train 600 students annually from Air Force bases worldwide as well as the 150 personnel assigned to the HQ USAF Honor Guard. The school recently experienced a 20% manpower increase with the new training mission, exacerbating already crowded and inefficient spaces and jeopardizing the training mission. The existing training, headquarters and administrative functions are being conducted in facilities that have					

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION BOLLING AIR FORCE BASE, WASHINGTON DC		
4. PROJECT TITLE HONOR GUARD TECHNICAL SCHOOL	5. PROJECT NUMBER BXUR980005	
<p>insufficient space. An old dormitory is temporarily being used for storage, classrooms and office space, however the space is inadequate and will be demolished following the completion of this project. Existing facilities are too small to accommodate the increased workload and number of students.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Honor guard personnel will continue to work and train in substandard, inefficient and overcrowded facilities which will adversely impact their capability to provide quality training for USAF honor guard students. Degradation in training will impact this very high profile and public activity for the Air Force.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." An economic analysis has been prepared comparing the alternatives of new construction and status quo operation. Based on the net present values and the benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. The master plan and architectural character of this facility has been approved by the National Capital Planning Commission and the Commission of Fine Arts. BASE CIVIL ENGINEER: Lt Col Edward D Mayfield, 202-767-5565.</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
BOLLING AIR FORCE BASE, WASHINGTON DC		
4. PROJECT TITLE	5. PROJECT NUMBER	
HONOR GUARD TECHNICAL SCHOOL	BXUR980005	
12. SUPPLEMENTAL DATA:		
(A parametric cost estimate was developed to determine the cost for this project)		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	97 SEP 15	
(b) Percent Complete as of Jan 1998	3%	
(c) Date 35% Designed.	98 APR 03	
(d) Date Design Complete	98 AUG 05	
(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): (\$000)		
(a) Production of Plans and Specifications	177	
(b) All Other Design Costs	88	
(c) Total	265	
(d) Contract	199	
(e) In-house	66	
(4) Construction Start	99 JAN	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND			5. AREA CONST COST INDEX				
EGLIN AIR FORCE BASE, FLORIDA				AIR FORCE			MATERIEL COMMAND				
							0.86				
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 97		1414	6006	3367				55	276	370	11,488
b. End FY 2003		1371	5776	3214				55	276	370	11,062
7. INVENTORY DATA (\$000)											
a. Total Acreage: (453,581)											
b. Inventory Total As Of: (30 SEP 97) 444,905											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 20,437											
e. Authorization Included In Following Program: (FY 2000) 6,600											
f. Planned In Next Three Program Years: 27,390											
g. Remaining Deficiency: 71,800											
h. Grand Total: 571,132											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY											
<u>CODE</u>		<u>PROJECT TITLE</u>				<u>SCOPE</u>		<u>COST (\$000)</u>		<u>DESIGN STATUS</u>	
								<u>START</u>		<u>CMPL</u>	
317-316		SANTA ROSA ISLAND TEST SITES				LS		12,571		TURN KEY	
721-312		DORMITORY				140 PN		7,866			
						TOTAL:		20,437			
9a. Future Projects: Included in the Following Program (FY 2000)											
141-753		SQUADRON OPERATIONS FACILITY				3,535 SM		6,600			
						TOTAL:		6,600			
9b. Future Projects: Typical Planned Next Three Years:											
212-213		PRECISION GUIDED MUNITIONS FACILITY				1,162 SM		4,190			
721-312		DORMITORY				120 RM		6,600			
740-253		PEOPLE'S PLACE				31,500 SF		8,900			
740-674		FITNESS CENTER				50,000 SF		7,700			
10. Mission or Major Functions: Air Force Development Test Center; an air base wing; Air Combat Command fighter wing with two F-15 squadrons; a test wing with F-15 and F-16 aircraft; and an Air Force Special Operations Command MC-130P special operations squadron.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution: 0											
b. Water pollution: 500											
c. Occupational safety and health: 0											
d. Other Environmental: 800											
12. Real Property Maintenance Backlog This Installation 36,889											

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
EGLIN AIR FORCE BASE, FLORIDA			DORMITORY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
7.28.06	721-312	FTFA963039	7,866		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (140 PN)		SM	4,600	1,200	5,520
SUPPORTING FACILITIES					1,550
UTILITIES		LS			(550)
SITE IMPROVEMENTS		LS			(150)
PAVEMENTS		LS			(200)
DEMOLITION/DISPOSAL		SM	4,550	120	(546)
ASBESTOS REMOVAL		LS			(104)
SUBTOTAL					7,070
CONTINGENCY (5%)					354
TOTAL CONTRACT COST					7,424
SUPERVISION, INSPECTION AND OVERHEAD (6%)					445
TOTAL REQUEST					7,869
TOTAL REQUEST (ROUNDED)					7,866
10. Description of Proposed Construction: Reinforced concrete foundation, frame and floor slabs with masonry walls, and sloped metal roof system. Includes exterior entrance to room-bath/kitchen-room modules, laundry rooms, storage, and lounge areas. Includes utilities, site improvements, and all necessary support. Demolition of 2 buildings totaling 4,550 SM. Air Conditioning: 500 KW. Grade Mix: 140 E1-E4.					
11. REQUIREMENT: 1,486 PN ADEQUATE: 394 PN SUBSTANDARD: 654 PN PROJECT: Construct a dormitory. (Current Mission) REQUIREMENT: It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. CURRENT SITUATION: Eglin Air Force Base has insufficient facilities to provide housing for all unaccompanied enlisted personnel. The existing modular dorms were constructed in 1972 and have central latrines instead of semi-private baths. These dorms have deteriorated to the point where a major renovation is required; however, it is not economical to upgrade these dorms to current standards. Enlisted personnel cannot afford to live off base because of expensive rentals market. Completion of this project will allow demolition of two buildings totaling 4,550 square meters. IMPACT IF NOT PROVIDED: Adequate living quarters will continue to be unavailable, resulting in degradation of morale, productivity, and career					

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
EGLIN AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE		5. PROJECT NUMBER
DORMITORY		FTFA963039

satisfaction for unaccompanied enlisted personnel. Lowered morale will contribute to retention difficulties for the Air Force.

ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, 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. BASE CIVIL ENGINEER: Col Richard Fernandez, (904) 882-2876. FY96 Unaccompanied Housing RPM Conducted: \$419K, FY97 Unaccompanied Housing RPM Conducted: \$704K, estimated Unaccompanied Housing RPM Requirements for FY98=\$795K, FY99=\$795K, FY00=\$820K, FY01=\$843K, FY02=\$868K, and FY03=\$895K

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE				
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA						
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER FTFA963039					
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by one step turn key procedures</p> <p>(2) Basis:</p> <table data-bbox="354 653 1317 716"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Design Allowance 374</p> <p>(4) Construction Start 99 JAN</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used -	N/A
(a) Standard or Definitive Design -	NO					
(b) Where Design Was Most Recently Used -	N/A					

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA			2. DATE
AIR FORCE	(computer generated)			
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
EGLIN AIR FORCE BASE, FLORIDA		SANTA ROSA ISLAND TEST SITES		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
7.28.06	317-316	FTFA963051	12,571	

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
SANTA ROSA ISLAND TEST SITES	LS			7,900
FOCUS TEST SITES (3 EACH)	LS			(3,750)
HARDWARE IN THE LOOP	LS			(4,150)
SUPPORTING FACILITIES				3,400
UTILITIES	LS			(500)
PAVEMENTS/SITE IMPROVEMENTS	LS			(280)
TOWERS, EMITTER/TRACKER/HARDSTAND PADS	LS			(1,240)
SEAWALLS	LS			(1,380)
SUBTOTAL				11,300
CONTINGENCY (5%)				565
TOTAL CONTRACT COST				11,865
SUPERVISION, INSPECTION AND OVERHEAD (6%)				712
TOTAL REQUEST				12,577
TOTAL REQUEST (ROUNDED)				12,571

10. Description of Proposed Construction: Three reinforced concrete bldgs on pilings to withstand a category 2 hurricane. Reinforced concrete hardstand 150'x150'x12", emitter pad 50'x50'x12", and tracker pad 50'x100'x24". Three 100 foot, and one 300 foot towers. Stone hardstand 200'x100' for equipment vans. Access roads , parking, fences , seawalls, communication, and necessary support.

11. REQUIREMENT: As required.

PROJECT: Construct Santa Rosa Island test sites. (Current Mission)

REQUIREMENT: Multipurpose test sites are required to support research, development and operational testing, training and special purpose testing. Test requirements include munitions-related tests such as Joint Air-to-Surface Standoff Missile (JASSM) and Precision Guided Munitions (PGM), C4I tests like JOINT STARS and Joint Tactical Information Display Systems (JTIDS). Emitter, and special instrumentation support are also required for Air Warfare Center (AWC) and Air Force Special Forces Command (AFSOC) training for onboard aircraft systems and other tests as required. These test sites will provide a generic-site infrastructure capable of supporting mobile sensors and range instrumentation, including mobile cinetheodolites, video/laser trackers, and range communication and slaving. This concept will focus on using mobile equipment with the generic sites being able to cope with severe storms.

CURRENT SITUATION: The twelve existing test sites on Santa Rosa Island have been either severely damaged or destroyed by Hurricane Opal. This all occurred on the evening of 4 Oct 95 as Opal hit Eglin Air Force Base with high winds and 15 foot storm surges. Open-air Hardware-in-the-Loop (HITL) testing has been severely impacted, and testing of systems has been limited. A mobile seeker van is being used for open-loop seeker tests

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE SANTA ROSA ISLAND TEST SITES	5. PROJECT NUMBER FTFA963051	
<p>against against airborne targets. The current condition of the damaged sites will not permit tests against surface targets on the sea and land. As a result, required open-air HITL testing cannot be conducted to provide total performance data for weapon systems operating against real targets. This project will replace the twelve damaged sites with three multipurpose test sites.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Critical test support capability will not exist. Test requirements cannot be met and delivery of future weapon systems will be delayed or improperly tested. Programs such as the Advanced Medium Range Air-to-Air Missile (AMRAAM) and Air Intercept Missile (AIM-9X) will require additional flight testing to compensate for the loss of ground test capability. An additional \$10M will be spent on flight costs along with \$2M in development efforts. Flight testing limits the quantity of test data that can be collected compared to the open-air HITL capability thus reducing the quality of the testing.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide" or in Air Force Handbook 32-1084, "Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: Col Richard Fernandez, (904) 882-2876.</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
EGLIN AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE	5. PROJECT NUMBER	
SANTA ROSA ISLAND TEST SITES	FTFA963051	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Project to be accomplished by one step turn key procedures		
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Design Allowance		445
(4) Construction Start		98 DEC
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)							2. DATE		
AIR FORCE											
3. INSTALLATION AND LOCATION					4. COMMAND			5. AREA CONST COST INDEX			
EGLIN AUXILIARY FIELD NO 9, FLORIDA					AIR FORCE SPECIAL OPERATIONS COMMAND			0.86			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 97		1147	6078	511				617	549	73	8,975
b. End FY 2003		1144	6006	512				617	549	73	8,901
7. INVENTORY DATA (\$000)											
a. Total Acreage: (6,634)											
b. Inventory Total As Of: (30 SEP 97)											179,657
c. Authorization Not Yet In Inventory:											0
d. Authorization Requested In This Program:											3,837
e. Authorization Included In Following Program: (FY 2000)											18,800
f. Planned In Next Three Program Years:											15,292
g. Remaining Deficiency:											0
h. Grand Total:											217,586
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY						COST		DESIGN		STATUS	
CODE	PROJECT TITLE			SCOPE		(\$000)	START	CMPL			
149-962	CONTROL TOWER			LS		2,014	APR 97	JUN 98			
179-511	FIRE TRAINING FACILITY			LS		1,823	APR 97	JUN 98			
TOTAL:						3,837					
9a. Future Projects: Included in the Following Program (FY 2000)											
111-111	REPAIR RUNWAY			11,100 SM		9,700					
721-312	DORMITORY			144 RM		9,100					
TOTAL:						18,800					
9b. Future Projects: Typical Planned Next Three Years:											
130-835	ADD TO SECURITY POLICE OPS			375 SM		1,492					
214-425	RED HORSE VEHICLE MAINTENANCE (823 RHS)			1,900 SM		4,000					
832-266	RAPID RATE WASTEWATER DISP SYS			LS		1,300					
851-147	DEFENSE ACCESS ROAD			700 M		3,100					
851-147	ROAD IMPROVEMENTS			38,500 SM		5,400					
10. Mission or Major Functions: HQ Air Force Special Operations Command; a special operations wing with AC-130/MC-130/MH-53/MH-60/UH-1 special operations squadrons; Air Force Special Operations School; a special tactics group; Air Combat Command's command and control evaluation group; a RED HORSE squadron; Air Force Combat Weather Center; and the Joint Warfare Center.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:											0
b. Water pollution:											0
c. Occupational safety and health:											0
d. Other Environmental:											0
12. Real Property Maintenance Backlog This Installation											54,615

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
AIR FORCE						
3. INSTALLATION AND LOCATION				4. PROJECT TITLE		
EGLIN AUX FIELD 9, FLORIDA				CONTROL TOWER		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)			
3.51.14	149-962	FTEV963007	2,014			
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
CONTROL TOWER		LS			1,313	
SUPPORTING FACILITIES					496	
UTILITIES		LS			(131)	
PAVEMENTS		LS			(70)	
SITE IMPROVEMENTS		LS			(60)	
ELEVATOR		EA	1	100,000	(100)	
DEMOLITION/ASBESTOS REMOVAL		LS			(70)	
EMERGENCY GENERATOR 125KW/UPS SYSTEM		EA	1	65,000	(65)	
SUBTOTAL					1,809	
CONTINGENCY (5%)					90	
TOTAL CONTRACT COST					1,899	
SUPERVISION, INSPECTION AND OVERHEAD (6%)					114	
TOTAL REQUEST					2,013	
TOTAL REQUEST (ROUNDED)					2,014	
10. Description of Proposed Construction: Concrete foundation, steel frame, masonry walls, glass cab with metal roof. Includes stairs, elevator, utilities, emergency generator, removal of existing tower and all necessary support. Air Conditioning: 35 KW.						
11. REQUIREMENT: 1 LS ADEQUATE: 0 SUBSTANDARD: 1 LS PROJECT: Construct control tower (Current Mission). REQUIREMENT: An adequate control tower that will provide visibility of the entire airfield, is well insulated from aircraft noise and has state-of-the-art communications equipment. CURRENT SITUATION: Current tower was constructed in 1956 and is now operationally unsafe for airfield operations encompassing over 750,000 SM of airfield ramp, apron and taxiways, and 74 Primary Assigned Aircraft (PAA). Portions of the airfield are not visible from the current tower and the present space is not adequate to support the equipment required to provide positive control over the flying mission of the 16th Special Operations Wing. The PAA includes both fixed wing (AC-130H, AC-130U, MC-130E, MC-130H and C-130E) and rotary wing (MH-53 and MH-60). Additionally, C-5 and C-141 support aircraft are required to provide heavy airlift during exercises and deployments. The 24 hour operational control tower cab houses three controllers who handle 4500 to 5000 sorties monthly. Additionally, the existing control tower will be demolished. IMPACT IF NOT PROVIDED: The base will have to continue to operate fixed and rotary wing Special Operations aircraft with limited visibility from the current control tower. Potential for aircraft accidents will remain high.						

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
EGLIN AUX FIELD 9, FLORIDA		
4. PROJECT TITLE	5. PROJECT NUMBER	
CONTROL TOWER	FTEV963007	
<p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military handbook 1190, "Facility Planning and Design Guide." A preliminary analysis of reasonable options for accomplishing this project (status quo, upgrade/new construction) was done. It indicates that there is only one option that will satisfy requirements. Therefore, a full economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: Lt Col Doug Nelson, 904-884-7701.</p>		

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE																								
3. INSTALLATION AND LOCATION EGLIN AUX FIELD 9, FLORIDA																										
4. PROJECT TITLE CONTROL TOWER	5. PROJECT NUMBER FTEV963007																									
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>97 APR 01</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>N</td> </tr> <tr> <td>(c) Percent Complete as of Jan 1998</td> <td>35%</td> </tr> <tr> <td>(d) Date 35% Designed.</td> <td>97 JUL 01</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>98 JUN 01</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>YES</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>EGLIN</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>121</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>60</td> </tr> <tr> <td>(c) Total</td> <td>181</td> </tr> <tr> <td>(d) Contract</td> <td>136</td> </tr> <tr> <td>(e) In-house</td> <td>45</td> </tr> </table> <p>(4) Construction Start 99 JAN</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(a) Date Design Started	97 APR 01	(b) Parametric Cost Estimates used to develop costs	N	(c) Percent Complete as of Jan 1998	35%	(d) Date 35% Designed.	97 JUL 01	(e) Date Design Complete	98 JUN 01	(a) Standard or Definitive Design -	YES	(b) Where Design Was Most Recently Used -	EGLIN	(a) Production of Plans and Specifications	121	(b) All Other Design Costs	60	(c) Total	181	(d) Contract	136	(e) In-house	45
(a) Date Design Started	97 APR 01																									
(b) Parametric Cost Estimates used to develop costs	N																									
(c) Percent Complete as of Jan 1998	35%																									
(d) Date 35% Designed.	97 JUL 01																									
(e) Date Design Complete	98 JUN 01																									
(a) Standard or Definitive Design -	YES																									
(b) Where Design Was Most Recently Used -	EGLIN																									
(a) Production of Plans and Specifications	121																									
(b) All Other Design Costs	60																									
(c) Total	181																									
(d) Contract	136																									
(e) In-house	45																									

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
EGLIN AUX FIELD 9, FLORIDA		FIRE TRAINING FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
2.74.56	179-511	FTEV963009	1,823	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FIRE TRAINING FACILITY	LS			1,433
SUPPORTING FACILITIES				205
UTILITIES	LS			(55)
PAVEMENTS	LS			(60)
SITE IMPROVEMENTS	LS			(90)
SUBTOTAL				1,638
CONTINGENCY (5%)				82
TOTAL CONTRACT COST				1,720
SUPERVISION, INSPECTION AND OVERHEAD (6%)				103
TOTAL REQUEST				1,823
TOTAL REQUEST (ROUNDED)				1,823
10. Description of Proposed Construction: Live fire training facility with large frame aircraft mock-up, polyethylene liner system, liquid propane gas (LPG) storage tank, piping, controls and ignition system, electric service, closed loop water conservation system with above ground storage tank, lighting, access road and vehicle operating area, fencing and all necessary support.				
11. REQUIREMENT: As required.				
PROJECT: Construct a Fire Training Facility. (Current Mission)				
REQUIREMENT: This is a Level I Environmental Compliance Requirement. A live fire training facility which meets Clean Water Act, Clean Air Act and Resource Conservation and Recovery Act is required to simulate large scale aircraft fires for the purpose of live fire training. Acceptable fire training facilities include a double lined impermeable fire pit with leak detection system under the burn area and water conservation system to prevent contamination of land and ground water. Live fire training is an Air Force requirement for fire fighters to maintain a high level of proficiency. It is Air Force policy to provide an adequate fire training facility which complies with applicable environmental requirements and meets fire training standards.				
CURRENT SITUATION: The existing live fire training facility was closed in 1990 due to environmental compliance problems. It does not have high-density polyethylene flexible membrane liners, a leak detection system, or secondary spill containment capability. Additionally, it is inadequate for training as defined by Air Force regulations. The current aircraft mock-up is smaller than the required size and is not accessible for multi-directional approaches creating an artificial environment which limits the quality of training. The nearest environmentally approved live				

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
EGLIN AUX FIELD 9, FLORIDA		
4. PROJECT TITLE	5. PROJECT NUMBER	
FIRE TRAINING FACILITY	FTEV963009	
<p>fire training facility in the local area is located at another Air Force base, 25 miles away. Current manning, equipment levels and required response times prevent Eglin Auxiliary Field 9 fire fighters from training at other Air Force sites. If a team of fire fighters were to leave the base with necessary equipment for the training session, it would curtail runway flight operations due to reduced fire response capability.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The safety of fire fighters and accident victims will remain compromised. Without this project, there is no way to provide quarterly live fire training which fire fighters require in accordance with Air Force regulations and in order to remain proficient at extinguishing large aircraft fires. The potential for loss of aircraft and lives is increased.</p> <p><u>ADDITIONAL:</u> There are no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". BASE CIVIL ENGINEER: Lt Col Doug Nelson, 904-884-7701.</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
EGLIN AUX FIELD 9, FLORIDA		
4. PROJECT TITLE		5. PROJECT NUMBER
FIRE TRAINING FACILITY		FTEV963009
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		97 APR 15
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1998		35%
(d) Date 35% Designed.		97 JUL 15
(e) Date Design Complete		98 JUN 30
(2) Basis:		
(a) Standard or Definitive Design -		YES
(b) Where Design Was Most Recently Used -		TYNDALL
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		36
(b) All Other Design Costs		36
(c) Total		72
(d) Contract		54
(e) In-house		18
(4) Construction Start		99 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)							2. DATE		
AIR FORCE											
3. INSTALLATION AND LOCATION					4. COMMAND			5. AREA CONST			
MACDILL AIR FORCE BASE, FLORIDA					AIR MOBILITY			COST INDEX			
					COMMAND			0.84			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 97		663	2746	986				868	1037	109	6,409
b. End FY 2003		630	2709	965				868	1037	109	6,318
7. INVENTORY DATA (\$000)											
a. Total Acreage: (5,767)											
b. Inventory Total As Of: (30 SEP 97) 218,152											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 5,008											
e. Authorization Included In Following Program: (FY 2000) 0											
f. Planned In Next Three Program Years: 23,350											
g. Remaining Deficiency: 0											
h. Grand Total: 246,510											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY				SCOPE				COST		DESIGN STATUS	
CODE		PROJECT TITLE						(\$000)		START CMPL	
171-212	KC-135 SIMULATOR FACILITY				1,100 SM		2,514		MAY 97 AUG 98		
179-511	FIRE TRAINING FACILITY				LS		2,494		MAY 97 AUG 98		
TOTAL:							5,008				
9a. Future Projects: Included in the Following Program (FY 2000) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
141-753	KC-135 SQUADRON OPERATIONS				4,100 SM		6,900				
	AIRCRAFT MAINTENANCE UNIT										
141-786	CENTRAL DEPLOYMENT CENTER				3,650 SM		6,700				
722-351	DINING FACILITY				1,350 SM		4,800				
740-674	PHYSICAL FITNESS CENTER				4,700 SM		4,950				
10. Mission or Major Functions: An air refueling wing with one KC-135R squadron with KC-135R and EC-135 aircraft. The wing also provides support to Headquarters United States Special Operations Command, Headquarters United States Central Command, and Joint Communications Support Element.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:										0	
b. Water pollution:										0	
c. Occupational safety and health:										0	
d. Other Environmental:										2,600	
12. Real Property Maintenance Backlog This Installation										116,224	

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MACDILL AIR FORCE BASE, FLORIDA			KC-135 SIMULATOR FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
4.12.18	171-212	NVZR993704	2,514		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
KC-135 SIMULATOR FACILITY FACILITY		SM	1,100	1,700	1,870
SUPPORTING FACILITIES					389
UTILITIES		LS			(240)
PAVEMENTS		LS			(115)
SITE IMPROVEMENTS		LS			(34)
SUBTOTAL					2,259
CONTINGENCY (5%)					113
TOTAL CONTRACT COST					2,372
SUPERVISION, INSPECTION AND OVERHEAD (6%)					142
TOTAL REQUEST					2,514
TOTAL REQUEST (ROUNDED)					2,514
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(25,000)
10. Description of Proposed Construction: Concrete foundation, floor slab, precast concrete exterior walls and sloped metal roof. Electrical, mechanical, fire detection/suppression system, and pre-wiring to accommodate communications and data services. Utility support, site improvements, vehicle parking, site improvements, and necessary support. Air Conditioning: 40 KW.					
11. REQUIREMENT: 1,100 SM ADEQUATE: 0 SUBSTANDARD: 595 SM <u>PROJECT:</u> KC-135 simulator facility. (New Mission) <u>REQUIREMENT:</u> An adequately sized KC-135 flight simulator facility is required to provide training for hazardous/emergency training procedures that otherwise could not be provided. This simulator will provide initial training, proficiency, and effective mission procedures training. Required areas include a simulator bay, computer room, briefing room, and associated hydraulic area. Facility is required to support equipment delivery of the full motion simulator device in FY00. <u>CURRENT SITUATION:</u> One substandard flight simulator facility houses a static (no motion) simulator device which does not meet the full motion (six axes) simulator requirements necessary to meet the full training requirements for KC-135 aircrews. <u>IMPACT IF NOT PROVIDED:</u> It would not be possible to provide realistic KC-135 aircrew training without the six-axes flight simulator. Emergency procedure training is not possible because these procedures are too dangerous to attempt under actual flying conditions. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Handbook					

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MACDILL AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE KC-135 SIMULATOR FACILITY	5. PROJECT NUMBER NVZR993704	
<p>32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, addition/alteration, and new construction) was done. It indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: LTC FLOYD, (813) 828-3581.</p> <p>101</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
AIR FORCE	(computer generated)		
3. INSTALLATION AND LOCATION			
MACDILL AIR FORCE BASE, FLORIDA			
4. PROJECT TITLE		5. PROJECT NUMBER	
KC-135 SIMULATOR FACILITY		NVZR993704	
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a)	Date Design Started		97 MAY 01
(b)	Parametric Cost Estimates used to develop costs		N
(c)	Percent Complete as of Jan 1998		35%
(d)	Date 35% Designed.		97 NOV 20
(e)	Date Design Complete		98 AUG 28
(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):			(\$000)
(a)	Production of Plans and Specifications		151
(b)	All Other Design Costs		75
(c)	Total		226
(d)	Contract		170
(e)	In-house		56
(4)	Construction Start		99 JAN
b. Equipment associated with this project will be provided from other appropriations:			
	EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED
			COST (\$000)
	KC-135 FLIGHT SIMULATOR DEVICE	3010	FY1999 25000

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MACDILL AIR FORCE BASE, FLORIDA			FIRE TRAINING FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
4.18.56	179-511	NVZR993705	2,494		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
FIRE TRAINING FACILITY		LS			1,255
SUPPORTING FACILITIES					986
UTILITIES		LS			(210)
SITE IMPROVEMENTS		LS			(100)
PAVEMENTS		LS			(180)
STORAGE TANK (37,850 LITERS)		EA	1	15,000	(15)
DEMOLITION/SOIL REMEDIATION		LS			(481)
SUBTOTAL					2,241
CONTINGENCY (5%)					112
TOTAL CONTRACT COST					2,353
SUPERVISION, INSPECTION AND OVERHEAD (6%)					141
TOTAL REQUEST					2,494
TOTAL REQUEST (ROUNDED)					2,494
10. Description of Proposed Construction: Construct new fire training facility with propane fuel and burner systems, impervious liner system, and aircraft mockup. Demolish present fire training pit. Includes all site improvements and necessary support.					
11. REQUIREMENT: As required.					
PROJECT: Construct fire training pit. (Current Mission)					
REQUIREMENT: This is a Level I environmental compliance requirement. An adequately sized and configured fire training facility is required to provide realistic conditions whereby fire fighters can practice extinguishing flames and rescuing personnel from burning aircraft. The facility must include the necessary systems and controls for the fuel, burners, and drainage for the pit. It is Air Force policy to have a fire training facility which complies with all environmental regulatory laws on every major Air Force installation to meet fire fighting training requirements. Traveling to other installations to conduct fire training exercises is not feasible for the fire fighters because of the high cost and the level of manning required to remain at the installation to support the mission.					
CURRENT SITUATION: The existing fire training area does not meet current environmental standards and technology. It is inadequate for training as defined by Air Force regulations. The current facility is too small and will not support an aircraft mock-up. It is also not accessible for multi-directional approaches creating an artificial environment which limits the quality of training. The existing fire training facility is sited too far from the flightline making it impossible to meet the time-distance requirements (approximately two minutes) in the event of an emergency. The facility does not have the proper liners, nets, and the					

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MACDILL AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE FIRE TRAINING FACILITY	5. PROJECT NUMBER NVZR993705	
<p>necessary fuel spill containment.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Fire fighters will not be able to meet Air Force and FAA quarterly training requirements for remaining proficient in aircraft crash fire fighting techniques. The safety of both the fire fighters and aircraft accident victims will continue to be comprimised by lack of proper training.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for the project in Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Handbook 32-1084 "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, and new construction) was done. It indicates that only new construction meets operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: LTC FLOYD, (813) 828-3581.</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MACDILL AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE		5. PROJECT NUMBER
FIRE TRAINING FACILITY		NVZR993705
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		97 MAY 01
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1998		35%
(d) Date 35% Designed.		97 NOV 07
(e) Date Design Complete		98 AUG 28
(2) Basis:		
(a) Standard or Definitive Design -		YES
(b) Where Design Was Most Recently Used -		DOVER
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		150
(b) All Other Design Costs		75
(c) Total		225
(d) Contract		168
(e) In-house		57
(4) Construction Start		99 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)							2. DATE		
AIR FORCE											
3. INSTALLATION AND LOCATION					4. COMMAND			5. AREA CONST COST INDEX			
ROBINS AIR FORCE BASE, GEORGIA					AIR FORCE			MATERIEL COMMAND			
								0.82			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 97		854	3472	10363				5	14	431	16,139
b. End FY 2003		967	4154	11222				5	14	431	17,793
7. INVENTORY DATA (\$000)											
a. Total Acreage: (8,722)											
b. Inventory Total As Of: (30 SEP 97) 698,895											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 11,894											
e. Authorization Included In Following Program: (FY 2000) 1,940											
f. Planned In Next Three Program Years: 26,300											
g. Remaining Deficiency: 105,000											
h. Grand Total: 844,029											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START	CMPL		
211-154	DEPOT PLANT SERVICES FACILITY			8,600 SM		11,894		TURN KEY			
TOTAL:						11,894					
9a. Future Projects: Included in the Following Program (FY 2000)											
171-212	ALTER KC-135 FLIGHT SIMULATOR FACILITY			450 SM		1,940					
TOTAL:						1,940					
9b. Future Projects: Typical Planned Next Three Years:											
217-742	COMBAT COMMUNICATIONS SQUAD OPS (54 CCS)			2,700 SM		5,700					
218-712	LARGE ITEM AIRCRAFT SUPPORT EQUIPMENT PAINT FACILITY			800 SM		3,000					
722-351	JSTARS DINING FACILITY			1,750 SM		5,400					
730-142	FIRE/CRASH STATION			2,300 SM		3,900					
871-183	ADD TO AND ALTER STORM DRAINAGE SYSTEM			LS		8,300					
10. Mission or Major Functions: Warner Robins Air Logistics Center which is responsible for logistics management, support, and depot-level maintenance of F-15, C-130, and C-141 aircraft, helicopters, missiles, and remotely piloted vehicles; HQ AFRC; an air base wing; an AMC air refueling group with twelve KC-135 aircraft; an ACC combat communications group; an Air National Guard bomb wing with B-1 aircraft; and the main operating base for the Joint Surveillance and Target Attack Radar System (JSTARS) aircraft.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:										0	
b. Water pollution:										0	
c. Occupational safety and health:										0	
d. Other Environmental:										0	
12. Real Property Maintenance Backlog This Installation										108,893	

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA			2. DATE
AIR FORCE	(computer generated)			
3. INSTALLATION AND LOCATION	4. PROJECT TITLE (CAPITAL WORKING FUND)			
ROBINS AIR FORCE BASE, GEORGIA	DEPOT PLANT SERVICES FACILITY			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)	
7.28.96	211-154	UHHZ880013	11,894	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
DEPOT PLANT SERVICES FACILITY	SM	8,600		8,360
AIRCRAFT ORGANIZATIONAL MAINTENANCE STORAGE	SM	8,000	1,000	(8,000)
	SM	600	600	(360)
SUPPORTING FACILITIES				2,335
UTILITIES	LS			(630)
PAVEMENTS	LS			(450)
SITE IMPROVEMENTS	LS			(240)
DEMOLITION/ASBESTOS ABATEMENT	SM	8,500	110	(935)
COMMUNICATIONS SUPPORT	LS			(80)
SUBTOTAL				10,695
CONTINGENCY (5%)				535
TOTAL CONTRACT COST				11,230
SUPERVISION, INSPECTION AND OVERHEAD (6%)				674
TOTAL REQUEST				11,904
TOTAL REQUEST (ROUNDED)				11,894
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(430)
10. Description of Proposed Construction: Concrete floor slab and footings, steel frame, masonry walls, and roof system. Includes HVAC, utilities, required support, demolition and asbestos abatement of six buildings totaling 8,500 SM. Air Conditioning: 400 KW.				
11. REQUIREMENT: 8,600 SM ADEQUATE: 0 SUBSTANDARD: 8,500 SM PROJECT: Construct a depot plant services facility. (Current Mission) REQUIREMENT: Provide a facility that consolidates repair and maintenance of industrial equipment and plant distribution systems, equipment and facility engineering support, installation, vehicle control, and the control and distribution of tools and tool kits. All of these functions support depot maintenance of the F-15, C-130, C-141 aircraft, avionics, gyro and electronic warfare systems, as well as repair and manufacturing processes of the Technology and Industrial Support Directorate. Consolidation will streamline operations, eliminate facilities with safety and fire deficiency reports, and reduce maintenance and utility costs. CURRENT SITUATION: The depot plant services' functions are currently located in substandard facilities considered unsuited for efficient use in support of the base mission. Operations are dispersed throughout the base in ten facilities which have documented fire and safety hazards. Six of these ten buildings require excessive maintenance. Walls and trusses in several buildings have failed and have been shored-up; bridge cranes in several buildings have been abandoned because columns and trusses cannot support required loads. Electrical demands exceed supply, electrical conduits crisscross wood trusses and columns, and any fire would quickly spread. These facilities are not well insulated and work areas cannot be				

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
ROBINS AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
DEPOT PLANT SERVICES FACILITY	UHHZ880013	
<p>efficiently or economically modified for heating or cooling requirements. Paint and welding booths are not fireproof and sheet metal has been attached to wooden walls to lessen (but not eliminate) the risk of fire. Half of the loading docks are unuseable because they were designed for the transfer of materials onto and off the trains; however, trains are no longer used to deliver materials to the base. Forklifts are restricted because of low ceilings and close column spacing. Dispersal of the workforce creates work flow problems and wastes manpower. Transporting supplies, parts and tools from one building to another is inefficient. This project will demolish six buildings totaling 8,500 SM. In addition, 140 SM will be mothballed and 830 SM will be transferred to another user.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Uneconomical repairs and modifications to existing buildings will continue. Documented fire safety hazards will continue. Dispersal of the workforce will continue to reduce worker productivity, and energy costs will continue to be excessive, resulting in deterioration of mission support to critical Air Force Weapon Systems.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". An economic analysis has been prepared comparing the alternatives of new construction, renovation, 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 requirement for this project was validated by the Joint Service Depot Maintenance Industrial Military Construction Review Board in May 93. BASE CIVIL ENGINEER: Col John W. Mogge, (912) 926-3093.</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
AIR FORCE	(computer generated)		
3. INSTALLATION AND LOCATION			
ROBINS AIR FORCE BASE, GEORGIA			
4. PROJECT TITLE		5. PROJECT NUMBER	
DEPOT PLANT SERVICES FACILITY		UHHZ880013	
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Project to be accomplished by one step turn key procedures			
(2) Basis:			
(a) Standard or Definitive Design -			NO
(b) Where Design Was Most Recently Used -			N/A
(3) Design Allowance			358
(4) Construction Start			99 JAN
b. Equipment associated with this project will be provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
INITIAL OUTFITTING EQUIPMENT		FY99	430

1. COMPONENT										2. DATE	
AIR FORCE										FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)	
3. INSTALLATION AND LOCATION						4. COMMAND			5. AREA CONST COST INDEX		
HICKAM AIR FORCE BASE, HAWAII						PACIFIC AIR FORCES			1.43		
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 97		679	2689	1909				166	260	17	6,720
b. End FY 2003		669	2615	1884				166	260	17	6,611
7. INVENTORY DATA (\$000)											
a. Total Acreage: (2,851)											
b. Inventory Total As Of: (30 SEP 97) 411,013											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 5,890											
e. Authorization Included In Following Program: (FY 2000) 4,800											
f. Planned In Next Three Program Years: 23,035											
g. Remaining Deficiency: 241,487											
h. Grand Total: 686,225											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY				COST		DESIGN STATUS					
<u>CODE</u>		<u>PROJECT TITLE</u>			<u>SCOPE</u>		<u>(\$000)</u>		<u>START</u>		<u>CMPL</u>
113-321		REPAIR AIRFIELD PAVEMENT			LS		5,890		DEC 96		AUG 98
TOTAL:							5,890				
9a. Future Projects: Included in the Following Program (FY 2000)											
179-511		FIRE TRAINING FACILITY			LS		4,800				
TOTAL:							4,800				
9b. Future Projects: Typical Planned Next Three Years:											
113-321		REPAIR AIRFIELD PAVEMENT			LS		7,735				
211-111		UPGRADE FIRE SUPPRESSION SYSTEM			LS		6,235				
610-249		CONFERENCE CENTER			1,500 SM		3,065				
721-315		ALTER TRANSIENT DORMITORY			2,350 SM		6,000				
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-15A/B squadron, an air refueling squadron (KC-135), and an airlift squadron (C-130H). Other major activities include an Air Intelligence Agency intelligence group and an Air Mobility Support Group.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:										0	
b. Water pollution:										235	
c. Occupational safety and health:										0	
d. Other Environmental:										0	
12. Real Property Maintenance Backlog This Installation										86,171	

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
HICKAM AIR FORCE BASE, HAWAII			REPAIR AIRFIELD PAVEMENT		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
2.75.96	113-321	KNMD983002	5,890		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
REPAIR AIRFIELD PAVEMENT		LS			5,028
SUBTOTAL					5,028
CONTINGENCY (10%)					503
TOTAL CONTRACT COST					5,531
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)					360
TOTAL REQUEST					5,891
TOTAL REQUEST (ROUNDED)					5,890
10. Description of Proposed Construction: Cold plane, disposal, surface preparation, prime coat, tack coat, asphaltic concrete, jet seal, pavement striping, and appurtenances.					
11. REQUIREMENT: As required. <u>PROJECT</u> : Repair airfield aprons and taxiways. (Current Mission) <u>REQUIREMENT</u> : Adequate airfield aprons and taxiways in good condition are required for the safe operation of assigned and transient aircraft. <u>CURRENT SITUATION</u> : The original aircraft aprons were constructed in 1938 based on the prevailing wheel loads at that time. Maintenance, repair and reconstruction over the years have created a diverse pavement system which presents maintenance and operational problems. Recent Airfield Pavement Evaluation Report by the Air Force Civil Engineering Support Agency rated the apron parking areas fair to poor and reported that some areas have medium to high severity distresses. Near-term maintenance, repair and reconstruction are required in these areas. The Airfield Pavement Evaluation revealed many apron features are structurally inadequate for assigned and transient aircraft traffic. Pavement failure has progressed to become a major source of foreign object damage (FOD) to aircraft. The areas to be repaired under this project are identified by greatest need of repair. <u>IMPACT IF NOT PROVIDED</u> : Will result in further deterioration of the pavement and increased FOD damage to aircraft. The parking apron and taxiway deterioration will continue to a point where they can no longer safely support aircraft. <u>ADDITIONAL</u> : A preliminary analysis of reasonable options for accomplishing this project (status quo, relocate and repair) was done. It indicates there is only one option that will meet operational					

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
HICKAM AIR FORCE BASE, HAWAII		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPAIR AIRFIELD PAVEMENT	KNMD983002	
<p>requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide." However, this project does meet the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". BASE CIVIL ENGINEER: Lt Col Linden Torchia, 808-449-1660.</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
HICKAM AIR FORCE BASE, HAWAII		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPAIR AIRFIELD PAVEMENT	KNMD983002	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		96 DEC 17
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1998		50%
(d) Date 35% Designed.		97 JUN 10
(e) Date Design Complete		98 AUG 15
(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): (\$000)		
(a) Production of Plans and Specifications		353
(b) All Other Design Costs		177
(c) Total		530
(d) Contract		397
(e) In-house		133
(4) Construction Start		99 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE		FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
3. INSTALLATION AND LOCATION MOUNTAIN HOME AIR FORCE BASE, IDAHO					4. COMMAND AIR COMBAT COMMAND			5. AREA CONST COST INDEX 1.23			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 97		458	3847	422				4	51	40	4,822
b. End FY 2003		467	3859	428				4	51	40	4,849
7. INVENTORY DATA (\$000)											
a. Total Acreage: (6,700)											
b. Inventory Total As Of: (30 SEP 97)											264,488
c. Authorization Not Yet In Inventory:											0
d. Authorization Requested In This Program:											12,297
e. Authorization Included In Following Program: (FY 2000)											26,200
f. Planned In Next Three Program Years:											18,950
g. Remaining Deficiency:											53,330
h. Grand Total:											375,265
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY						COST		DESIGN		STATUS	
CODE	PROJECT TITLE				SCOPE	(\$000)	START	CPL			
141-454	RANGE IMPROVEMENTS				LS	2,400	TURN	KEY			
141-454	LAND ACQUISITION				LS	1,000	TURN	KEY			
721-312	DORMITORY				4,600 SM	8,897					
TOTAL:						12,297					
9a. Future Projects: Included in the Following Program (FY 2000)											
141-454	ENHANCED TRAINING RANGE, IDAHO PH II				LS	17,000					
217-712	B-1B AVIONICS SHOP				4,110 SM	9,200					
TOTAL:						26,200					
9b. Future Projects: Typical Planned Next Three Years:											
141-454	ENHANCED TRAINING RANGE, IDAHO PH III				LS	9,600					
141-753	F-15C SQUADRON OPERATIONS FACILITY				1,300 SM	3,750					
216-642	B-1B CONVENTIONAL MUNITIONS SHOP				1,050 SM	4,100					
422-264	B-1B MUNITIONS STORAGE IGLOOS				600 SM	1,500					
10. Mission or Major Functions: A composite wing with one F-16 squadron, one F-15C/D squadron, one F-15E squadron, one KC-135R squadron, and a B-1B squadron, and the AEF Battlelab.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:											0
b. Water pollution:											4,000
c. Occupational safety and health:											0
d. Other Environmental:											0
12. Real Property Maintenance Backlog This Installation											61,550

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MOUNTAIN HOME AIR FORCE BASE, IDAHO			LAND ACQUISITION		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
2.76.04	141-454	QYZH993003	1,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
LAND ACQUISITION		LS			900
SUBTOTAL					900
CONTINGENCY (5%)					45
TOTAL CONTRACT COST					945
SUPERVISION, INSPECTION AND OVERHEAD (6%)					57
TOTAL REQUEST					1,002
TOTAL REQUEST (ROUNDED)					1,000
10. Description of Proposed Construction: Purchase 12,000 acres of grazing rights.					
11. REQUIREMENT: As required.					
PROJECT: Purchase grazing rights for Enhanced Training Range (ETI), Idaho. (New Mission)					
REQUIREMENT: A training range to supplement the existing Saylor Creek Range, allowing F-16, F-15, KC-135 and B-1B aircraft to train together in real world battle scenarios. The Department of Defense (DoD) must have control of the range land to ensure training programs are not jeopardized by lease renewal actions.					
CURRENT SITUATION: The Saylor Creek Range is too small to create the type of battle scenarios necessary to train for modern combat. The remote ranges located in other states require longer transit times that expend finite flying hours and operational funds, yet yield minimal training value.					
IMPACT IF NOT PROVIDED: Combat crews will not receive effective combat training nor maximize available flying hours. Training time on existing ranges will not provide the unique training required to prepare the rapid response Air Expeditionary Wing for combat missions.					
ADDITIONAL: All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". BASE CIVIL ENGINEER: Lt Col Kenneth P. Shelton, (208)828-6353					

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE				
3. INSTALLATION AND LOCATION MOUNTAIN HOME AIR FORCE BASE, IDAHO						
4. PROJECT TITLE LAND ACQUISITION	5. PROJECT NUMBER QYZH993003					
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by one step turn key procedures</p> <p>(2) Basis:</p> <table data-bbox="370 638 1328 701"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Design Allowance 60</p> <p>(4) Construction Start 99 MAR</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used -	N/A
(a) Standard or Definitive Design -	NO					
(b) Where Design Was Most Recently Used -	N/A					

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MOUNTAIN HOME AIR FORCE BASE, IDAHO			DORMITORY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
2.75.96	721-312	QYZH993002	8,897		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (140 PN)		SM	4,600	1,355	6,233
SUPPORTING FACILITIES					1,760
UTILITIES		LS			(416)
PAVEMENTS		LS			(420)
SITE IMPROVEMENTS		LS			(420)
DEMOLITION & ASBESTOS REMOVAL		SM	2,100	240	(504)
SUBTOTAL					7,993
CONTINGENCY (5%)					400
TOTAL CONTRACT COST					8,393
SUPERVISION, INSPECTION AND OVERHEAD (6%)					504
TOTAL REQUEST					8,897
TOTAL REQUEST (ROUNDED)					8,897
10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, concrete frame facility, insulated maintenance free exterior masonry walls, sound attenuation, pitched standing seam metal roof. Include room-bath/kitchen-room modules, laundry rooms, storage, and lounge area. Includes all utilities, site improvements and necessary support. Demolishes one old wooden dormitory (54 rooms). Air Conditioning: 175 KW. Grade Mix: 140 E1-E4.					
11. REQUIREMENT: 946 PN ADEQUATE: 746 PN SUBSTANDARD: 124 PN PROJECT: Construct a dormitory. (Current Mission) REQUIREMENT: It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. CURRENT SITUATION: The base has insufficient facilities to accommodate the unaccompanied enlisted personnel housing requirement. The housing deficit is exacerbated with the increase in manpower from the new B-1B squadron. Local rentals are limited and utilities are expensive causing financial hardship for junior enlisted personnel forced to reside off base. The closest rental market is the city of Boise over 50 miles from the installation. This project will demolish the last wood framed dormitory and replace the last two central latrine dormitories on Mountain Home AFB. IMPACT IF NOT PROVIDED: Adequate living quarters will be unavailable resulting in degradation of morale, productivity, and career satisfaction					

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
MOUNTAIN HOME AIR FORCE BASE, IDAHO		
4. PROJECT TITLE		5. PROJECT NUMBER
DORMITORY		QYZH993002
<p>for unaccompanied enlisted personnel. Lowered morale will contribute to retention difficulties for the Air Force. Personnel will continue to live in substandard 50 year old central latrine dormitories or be forced to move into expensive and distant off-base housing.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. 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. BASE CIVIL ENGINEER: Lt Col Kenneth P. Shelton, (208) 828-6353</p> <p>FY1996 Unaccompanied Housing RPM Conducted: \$257K. FY 1997 Unaccompanied Housing RPM Conducted: \$3781K. Future Unaccompanied Housing RPM Requirements (estimated): FY 1998: \$561K, FY 1999: \$0, FY 2000: \$0, FY 2001: \$0, FY 2002: \$0, FY 2003: \$0</p>		

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE				
3. INSTALLATION AND LOCATION MOUNTAIN HOME AIR FORCE BASE, IDAHO						
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER QYZH993002					
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by one step turn key procedures</p> <p>(2) Basis:</p> <table data-bbox="370 640 1331 703"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Design Allowance 355</p> <p>(4) Construction Start 99 JAN</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used -	N/A
(a) Standard or Definitive Design -	NO					
(b) Where Design Was Most Recently Used -	N/A					

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION	4. PROJECT TITLE			
MOUNTAIN HOME AIR FORCE BASE, IDAHO	RANGE IMPROVEMENTS			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)	
2.76.04	141-454	QYZH983000	2,400	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
RANGE IMPROVEMENTS	LS			2,143
CONSTRUCT ACCESS ROAD BRIDGE	LS			(400)
SECURITY FENCE	LM	28,000	36	(1,008)
EMITTER SITES/ROADS	LS			(225)
NO DROP TARGET SITES	LS			(300)
DROP TARGET SITES	LS			(210)
SUBTOTAL				2,143
CONTINGENCY (5%)				107
TOTAL CONTRACT COST				2,250
SUPERVISION, INSPECTION AND OVERHEAD (6%)				135
TOTAL REQUEST				2,385
TOTAL REQUEST (ROUNDED)				2,400
10. Description of Proposed Construction: Construct access road bridge, emitter sites, security fence around emitter sites, and ordnance drop zones. Includes interior roads to sites, utilities and site improvements. Funds provided for the access road bridge will be transferred to the FHWA of the DoT which is responsible under Title 23 USC 210 for assuring proper execution of Defense Access Road work.				
11. REQUIREMENT: As required.				
PROJECT: Construct an enhanced training range in Idaho. (New Mission)				
REQUIREMENT: An adequate training range is required to allow F-16, F-15, KC-135 and B-1B aircraft to train together in real world combat scenarios. The range requires widely separated threat emitter sites and simulated target sites constructed to resemble actual target complexes. Access roads must have year-round accessibility to allow for maintenance and repair of facilities and equipment. The target impact areas, simulated target areas and emitter sites must be secured with fencing. The maintenance site requires commercial power.				
CURRENT SITUATION: Existing local ranges, airspace and emitter sites offer limited realism, flexibility and quality. Currently, aircrews train on distant remote ranges, expending finite flying hours and operations funds, yet yielding minimal training value. Aircrews lack the availability of an integrated set of training facilities that provide flexibility to vary tactics, present realistic battlefield situations, and allow daily access.				
IMPACT IF NOT PROVIDED: In the absence of an enhanced training range, aircrews would continue training on unsophisticated ranges and training routes in remote areas. Not training on enhanced ranges that provide realistic wartime scenarios will negatively effect mission readiness. The				

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MOUNTAIN HOME AIR FORCE BASE, IDAHO		
4. PROJECT TITLE RANGE IMPROVEMENTS	5. PROJECT NUMBER QYZH983000	
<p>Air Force will continue to expend scarce operations funds on flying hours used to transit to and from remote ranges instead of increasing the number of sorties on realistic training ranges.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Handbook 32-1084, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. BASE CIVIL ENGINEER: Lt Col Kenneth P. Shelton, (208) 828-6353</p> <p>121</p>		

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE				
3. INSTALLATION AND LOCATION MOUNTAIN HOME AIR FORCE BASE, IDAHO						
4. PROJECT TITLE RANGE IMPROVEMENTS	5. PROJECT NUMBER QYZH983000					
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by one step turn key procedures</p> <p>(2) Basis:</p> <table data-bbox="376 638 1348 701"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Design Allowance 144</p> <p>(4) Construction Start 99 MAR</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used -	N/A
(a) Standard or Definitive Design -	NO					
(b) Where Design Was Most Recently Used -	N/A					

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)									2. DATE		
AIR FORCE												
3. INSTALLATION AND LOCATION					4. COMMAND			5. AREA CONST COST INDEX				
ANDREWS AIR FORCE BASE, MARYLAND					AIR MOBILITY COMMAND			0.96				
6. PERSONNEL STRENGTH			PERMANENT			STUDENTS			SUPPORTED			
			OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 97			1131	4344	2088				249	1082	499	9,393
b. End FY 2003			1115	4306	1938				249	1082	499	9,189
7. INVENTORY DATA (\$000)												
a. Total Acreage: (4,996)												
b. Inventory Total As Of: (30 SEP 97) 420,088												
c. Authorization Not Yet In Inventory: 0												
d. Authorization Requested In This Program: 4,448												
e. Authorization Included In Following Program: (FY 2000) 0												
f. Planned In Next Three Program Years: 26,021												
g. Remaining Deficiency: 80,200												
h. Grand Total: 530,757												
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999												
CATEGORY												
CODE	PROJECT TITLE					SCOPE	COST (\$000)	DESIGN STATUS				
								START	CMPL			
740-884	CHILD DEVELOPMENT CENTER					2,250 SM	4,448	AUG 97	AUG 98			
							TOTAL:	4,448				
9a. Future Projects: Included in the Following Program (FY 2000) NONE												
9b. Future Projects: Typical Planned Next Three Years:												
141-753	CONSOLIDATED SQUADRON OPERATIONS FACILITY					4,060 SM	8,400					
214-425	REFUELING VEHICLE MAINTENANCE FACILITY					460 SM	1,771					
740-675	LIBRARY/EDUCATION CENTER SERVICES					2,090 SM	4,250					
812-223	ADD TO AND ALTER ELECTRICAL DISTRIBUTION SYSTEM					LS	11,600					
10. Mission or Major Functions: An airlift wing with four squadrons that perform Presidential support and Special Air Missions with (C-9, C-20, C-21, C-32, C-37, C-137, VC-25, and UH-1 aircraft); an AFRES airlift wing with a C-141 squadron; Air National Guard (ANG) wing with a F-16 fighter squadron and a C-21/C-22 airlift squadron; ANG Readiness Center; and a major medical center.												
11. Outstanding pollution and safety (OSHA) deficiencies:												
a. Air pollution:										0		
b. Water pollution:										0		
c. Occupational safety and health:										0		
d. Other Environmental:										0		
12. Real Property Maintenance Backlog This Installation										126,534		

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
ANDREWS AIR FORCE BASE, MARYLAND			CHILD DEVELOPMENT CENTER		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
4.18.96	740-884	AJXF963020	4,448		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
CHILD DEVELOPMENT CENTER		SM	2,250	1,400	3,150
SUPPORTING FACILITIES					846
UTILITIES		LS			(345)
PAVEMENTS		LS			(145)
SITE IMPROVEMENTS		LS			(188)
DEMOLITION/ASBESTOS REMOVAL/DISPOSAL		SM	1,400	120	(168)
SUBTOTAL					3,996
CONTINGENCY (5%)					200
TOTAL CONTRACT COST					4,196
SUPERVISION, INSPECTION AND OVERHEAD (6%)					252
TOTAL REQUEST					4,448
TOTAL REQUEST (ROUNDED)					4,448
10. Description of Proposed Construction: Reinforced concrete footings and floor slab, masonry walls, steel joists, mechanical equipment room, utilities, paving, fire protection, demolition, and asbestos removal and disposal. Includes child care rooms, kitchen, laundry room, playground area and necessary support. Air Conditioning: 80 KW.					
11. REQUIREMENT: 8,445 SM ADEQUATE: 4,480 SM SUBSTANDARD: 2,065 SM PROJECT: Construct a child development center. (Current Mission) REQUIREMENT: A child development center (CDC) for 305 children aged 6 weeks through 12 years is require to allow military and civilian working parents to leave their children in a safe environment. A CDC must provide a comfortable, clean, educational environment where parents can leave their children on an hourly, daily, or drop-in basis. Due to the high cost of living in the Andrews area, approximately 85 percent of the military spouses work outside the home resulting in an increased demand for child care. The waiting list exceeds 300 children, the largest in the Air Force. Parents must wait from 6 to 18 months for a slot in the weekly care program. A survey conducted by the University of Maryland Survey Research Center on 120 child care centers in the Prince George County revealed that the facilities can only serve an estimated 9% of all county children under 16 years of age. Also, none of the centers accept children under two years of age--50.6% of Andrew's AFB waiting list. CURRENT SITUATION: Over 1,200 children are eligible for child care services at Andrews which is the largest requirement for child care in the Air Force. To provide adequate facilities at Andrews, an FY91 Military Construction Program was approved by Congress which provided adequate					

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION ANDREWS AIR FORCE BASE, MARYLAND		
4. PROJECT TITLE CHILD DEVELOPMENT CENTER	5. PROJECT NUMBER AJXF963020	
<p>space for 54 percent of the base's overall requirement. This request will provide an additional 25 percent of needed space, and an FY03 project will provide the remaining child care spaces to meet the full requirement. DoD Directive 6060.2 limits the size of child development facilities to house a maximum of 305 children per facility. Otherwise, all remaining space deficiencies would be included in this request. Additional space is needed for kitchen/food preparation/storage area indoor and outdoor play area, and administrative functions. Four substandard wood frame facilities totaling 1,400 square meters will be demolished as part of this project.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Use of off-base facilities, at cost of up to \$110 per week verses \$45 per week on-base, will continue to be an extreme financial hardship on junior enlisted personnel who have the greatest need for child care services. In addition, CDC support will not be available to support military exercises and shift-worker schedules. The lack of quality and affordable child care results in employee absenteeism, low morale and sometimes separation from the Air Force.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in part II of Military Handbook 1190, "Facility Planning and Design Guide". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, addition, and construction) was done. It indicates new construction is the only option that will satisfy statutory facility size requirements and meet the need. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: LTC ELLIOTT, (301) 981-7281.</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)	2. DATE																								
3. INSTALLATION AND LOCATION ANDREWS AIR FORCE BASE, MARYLAND																										
4. PROJECT TITLE CHILD DEVELOPMENT CENTER	5. PROJECT NUMBER AJXF963020																									
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>97 AUG 08</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>N</td> </tr> <tr> <td>(c) Percent Complete as of Jan 1998</td> <td>35%</td> </tr> <tr> <td>(d) Date 35% Designed.</td> <td>97 NOV 21</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>98 AUG 28</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>YES</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>ANDREWS</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>260</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>60</td> </tr> <tr> <td>(c) Total</td> <td>320</td> </tr> <tr> <td>(d) Contract</td> <td>280</td> </tr> <tr> <td>(e) In-house</td> <td>40</td> </tr> </table> <p>(4) Construction Start 99 JAN</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(a) Date Design Started	97 AUG 08	(b) Parametric Cost Estimates used to develop costs	N	(c) Percent Complete as of Jan 1998	35%	(d) Date 35% Designed.	97 NOV 21	(e) Date Design Complete	98 AUG 28	(a) Standard or Definitive Design -	YES	(b) Where Design Was Most Recently Used -	ANDREWS	(a) Production of Plans and Specifications	260	(b) All Other Design Costs	60	(c) Total	320	(d) Contract	280	(e) In-house	40
(a) Date Design Started	97 AUG 08																									
(b) Parametric Cost Estimates used to develop costs	N																									
(c) Percent Complete as of Jan 1998	35%																									
(d) Date 35% Designed.	97 NOV 21																									
(e) Date Design Complete	98 AUG 28																									
(a) Standard or Definitive Design -	YES																									
(b) Where Design Was Most Recently Used -	ANDREWS																									
(a) Production of Plans and Specifications	260																									
(b) All Other Design Costs	60																									
(c) Total	320																									
(d) Contract	280																									
(e) In-house	40																									

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROGRAM										2. DATE	
AIR FORCE	(computer generated)											
3. INSTALLATION AND LOCATION					4. COMMAND					5. AREA CONST		
KEESLER AIR FORCE BASE, MISSISSIPPI					AIR EDUCATION AND TRAINING COMMAND					COST INDEX		
										0.83		
6. PERSONNEL			PERMANENT			STUDENTS			SUPPORTED			
STRENGTH			OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 97			938	3670	2098	345	2003		78	1680	84	10,896
b. End FY 2003			917	3651	2076	334	2633		78	1680	84	11,453
7. INVENTORY DATA (\$000)												
a. Total Acreage: (1,611)												
b. Inventory Total As Of: (30 SEP 97) 312,638												
c. Authorization Not Yet In Inventory: 0												
d. Authorization Requested In This Program: 35,526												
e. Authorization Included In Following Program: (FY 2000) 27,000												
f. Planned In Next Three Program Years: 0												
g. Remaining Deficiency: 13,400												
h. Grand Total: 388,564												
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999												
CATEGORY												
CODE	PROJECT TITLE					SCOPE	COST (\$000)		DESIGN STATUS			
171-627	TRAINING SUPPORT FACILITY					4,700 SM	5,756		TURN KEY			
721-312	STUDENT DORMITORIES					800 PN	29,770		MAR 97		JUN 98	
	TOTAL:						35,526					
9a. Future Projects: Included in the Following Program (FY 2000)												
721-312	STUDENT DORMITORY					200 PN	19,900					
722-351	STUDENT DINING FACILITY					1,500 PN	7,100					
	TOTAL:						27,000					
9b. Future Projects: Typical Planned Next Three Years:												
10. Mission or Major 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 Materiel Command engineering installation group; an Air Force Reserve airlift wing with one C-130 airlift squadron and one WC-130 weather reconnaissance squadron; and a major Air Force medical center.												
11. Outstanding pollution and safety (OSHA) deficiencies:												
a. Air pollution: 0												
b. Water pollution: 2,400												
c. Occupational safety and health: 0												
d. Other Environmental: 690												
12. Real Property Maintenance Backlog This Installation 58,517												

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
KEESLER AIR FORCE BASE, MISSISSIPPI			TRAINING SUPPORT FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.57.96	171-627	MAHG993004	5,756		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
TRAINING SUPPORT FACILITY		SM	4,700	920	4,324
SUPPORTING FACILITIES					847
UTILITIES		LS			(412)
SITE IMPROVEMENTS		LS			(230)
PAVEMENTS		LS			(205)
SUBTOTAL					5,171
CONTINGENCY (5%)					259
TOTAL CONTRACT COST					5,430
SUPERVISION, INSPECTION AND OVERHEAD (6%)					326
TOTAL REQUEST					5,756
TOTAL REQUEST (ROUNDED)					5,756
10. Description of Proposed Construction: Construct a two story, concrete masonry building with reinforced concrete foundation and floor slabs, and metal roof. Project includes fire protection, sitework, pavements and all necessary utilities and support. Air Conditioning: 450 KW.					
11. REQUIREMENT: 4,700 SM ADEQUATE: 0 SUBSTANDARD: 3,375 SM PROJECT: Construct Training Support Facility (Current Mission) REQUIREMENT: An adequately sized, consolidated facility is required to support students on temporary assignment to Keesler AFB for initial technical training. The building will house personnel handling unique student requirements for in/out processing, medical sick call, travel and financial services, postal operations, and security clearance processing. The building will also house a Student Center, Family Support Annex and Military Training Support Flight Operations. These functions should be located in a central facility separate from main base operations near student living areas to maximize the efficient use of time at Keesler AFB for Air Force training. CURRENT SITUATION: Current student support operations are located in existing student dormitory space within the airfield clear zone. The existing dormitories were built in the 1950's, have numerous deficiencies, and are scheduled for demolition. Twelve support functions are scattered throughout five existing dormitories. Constant in and out processing of students requires use of the support facilities on a daily basis. The separation of support functions does not allow for a smooth in processing and detracts from training time. IMPACT IF NOT PROVIDED: Support operations for students at Keesler AFB					

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION KEESLER AIR FORCE BASE, MISSISSIPPI		
4. PROJECT TITLE TRAINING SUPPORT FACILITY	5. PROJECT NUMBER MAHG993004	
<p>will be forced to utilize existing deteriorated dormitory space within the airfield clear zone. High building maintenance and operational costs will continue to impact limited base resources and effect the accomplishment of the mission.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Handbook 32-1084, "Standard Facility Requirements Handbook". A preliminary analysis of reasonable options for accomplishing this project (status quo, new construction, relocation and leasing) was done. It indicates only one option will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: Lt Col Robert A. Upshur (228) 377-2615.</p> <p>129</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
KEESLER AIR FORCE BASE, MISSISSIPPI		
4. PROJECT TITLE	5. PROJECT NUMBER	
TRAINING SUPPORT FACILITY	MAHG993004	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Project to be accomplished by one step turn key procedures		
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Design Allowance		400
(4) Construction Start		99 SEP
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
KEESLER AIR FORCE BASE, MISSISSIPPI		STUDENT DORMITORIES		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
8.57.96	721-312	MAHG993000	29,770	

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
STUDENT DORMITORIES (800 PN)	LS			22,800
STUDENT DORMITORIES	SM	18,500	1,200	(22,200)
TRAINING MANAGER AREA	SM	500	1,200	(600)
SUPPORTING FACILITIES				3,948
UTILITIES	LS			(700)
PAVEMENTS	LS			(361)
SITE IMPROVEMENTS	LS			(865)
LEAD AND ASBESTOS ABATEMENT	SM	23,501	31	(729)
DEMOLITION	SM	23,500	55	(1,293)
SUBTOTAL				26,748
CONTINGENCY (5%)				1,337
TOTAL CONTRACT COST				28,085
SUPERVISION, INSPECTION AND OVERHEAD (6%)				1,685
TOTAL REQUEST				29,770
TOTAL REQUEST (ROUNDED)				29,770

10. Description of Proposed Construction: Construct two, 400 person, 3 story, masonry buildings with reinforced concrete foundation, floor slabs, and metal roof. Project includes room-bath modules, training managers areas, laundries, fire protection, sitework, pavements, communication network, and all necessary utilities. Demolish two existing dormitories to include asbestos and lead based paint abatement.
Air Conditioning: 893 KW. Grade Mix: 800 E1-E4.

11. REQUIREMENT: 2,793 PN ADEQUATE: 1,596 PN SUBSTANDARD: 1,465 PN
PROJECT: Construct two student dormitories (Current Mission)
REQUIREMENT: Properly sized and configured dormitories are required to support the students in technical training. A major Air Force objective is to provide students with housing conducive to their proper rest, relaxation and personal well-being while providing a suitable study environment. Properly designed and furnished quarters are essential for successfully training Air Force personnel. Space is also required for the training squadron staff. This project provides the fifth and sixth dormitories of a seven dormitory requirement.
CURRENT SITUATION: Students live in substandard 45 year old buildings located within the airfield clear zone that have had no major renovations since being originally constructed. Existing dorms have central bathrooms, inadequate lighting, poor insulation, and poor sound attenuation. The electrical and mechanical systems are obsolete. Inefficient mechanical systems and uninsulated windows increase heating and cooling costs by \$200,000 annually. Significant foundation settlement has resulted in many rooms being closed. Leaking roofs as well as inoperable doors and windows are major recurring maintenance problems.

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1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
KEESLER AIR FORCE BASE, MISSISSIPPI		
4. PROJECT TITLE	5. PROJECT NUMBER	
STUDENT DORMITORIES	MAHG993000	
<p>These three story buildings have dead end corridors and ladder fire escapes. They are without fire suppression systems and do not meet Life Safety Codes. Deteriorating lead based paint and asbestos are found throughout these dorms. This causes constant maintenance problems and poses a potential health problem if not abated. These existing dorms also provide administrative space for the Military Training Managers responsible for overseeing military activities.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Students at Keesler AFB will continue living in deplorable conditions in dorms with Life Safety Code violations. High building maintenance and operation costs will continue to impact limited base resources and affect the accomplishment of mission related tasks. Inadequate living quarters will continue to degrade morale, productivity, and career satisfaction for students. Inadequate facilities at the early part of airmen's careers will contribute to retention difficulties for the Air Force</p> <p><u>ADDITIONAL:</u> The new OSD dormitory standard does not apply to housing constructed for members receiving entry-level skill training. This dormitory is being designed to the Air Force approved technical training standard. An Economic Analysis has been prepared comparing alternatives of new construction, revitalization, leasing and status quo. 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. BASE CIVIL ENGINEER: LtCol Robert A. Upshur (228) 377-2615. FY 1996 Unaccompanied Housing RPM Conducted: \$5,380K. FY 1997 Unaccompanied Housing RPM Conducted: \$1,360K. Future Unaccompanied Housing RPM requirements (estimated): FY98=\$3.95M; FY99=\$.6M; FY00=\$1.6M; FY01= \$1.5M; FY02=\$1.5M; FY03=\$1.5M.</p>		

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE																																																
3. INSTALLATION AND LOCATION KEESLER AIR FORCE BASE, MISSISSIPPI																																																		
4. PROJECT TITLE STUDENT DORMITORIES	5. PROJECT NUMBER MAHG993000																																																	
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <table data-bbox="305 541 1425 1150"> <tr> <td colspan="3">(1) Status:</td> </tr> <tr> <td>(a) Date Design Started</td> <td></td> <td>97 MAR 01</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td></td> <td>N</td> </tr> <tr> <td>(c) Percent Complete as of Jan 1998</td> <td></td> <td>35%</td> </tr> <tr> <td>(d) Date 35% Designed.</td> <td></td> <td>97 MAR 28</td> </tr> <tr> <td>(e) Date Design Complete</td> <td></td> <td>98 JUN 30</td> </tr> <tr> <td colspan="3">(2) Basis:</td> </tr> <tr> <td>(a) Standard or Definitive Design -</td> <td></td> <td>YES</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td></td> <td>KEESLER</td> </tr> <tr> <td colspan="3">(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</td> </tr> <tr> <td>(a) Production of Plans and Specifications</td> <td></td> <td>1191</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td></td> <td>595</td> </tr> <tr> <td>(c) Total</td> <td></td> <td>1786</td> </tr> <tr> <td>(d) Contract</td> <td></td> <td>1340</td> </tr> <tr> <td>(e) In-house</td> <td></td> <td>446</td> </tr> <tr> <td>(4) Construction Start</td> <td></td> <td>99 JAN</td> </tr> </table> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(1) Status:			(a) Date Design Started		97 MAR 01	(b) Parametric Cost Estimates used to develop costs		N	(c) Percent Complete as of Jan 1998		35%	(d) Date 35% Designed.		97 MAR 28	(e) Date Design Complete		98 JUN 30	(2) Basis:			(a) Standard or Definitive Design -		YES	(b) Where Design Was Most Recently Used -		KEESLER	(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)			(a) Production of Plans and Specifications		1191	(b) All Other Design Costs		595	(c) Total		1786	(d) Contract		1340	(e) In-house		446	(4) Construction Start		99 JAN
(1) Status:																																																		
(a) Date Design Started		97 MAR 01																																																
(b) Parametric Cost Estimates used to develop costs		N																																																
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(4) Construction Start		99 JAN																																																

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1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND			5. AREA CONST COST INDEX				
INDIAN SPRINGS AUXILIARY FIELD, NEVADA				AIR COMBAT COMMAND			1.10				
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 97		42	306	41							389
b. End FY 2003		66	392	41							499
7. INVENTORY DATA (\$000)											
a. Total Acreage: (2,300)											
b. Inventory Total As Of: (30 SEP 97) 25,872											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 15,013											
e. Authorization Included In Following Program: (FY 2000) 0											
f. Planned In Next Three Program Years: 0											
g. Remaining Deficiency: 0											
h. Grand Total: 40,885											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY		PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS			
CODE							START	CMPL			
141-753	UAV-SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT				2,975 SM	7,059	OCT 97	JUL 98			
217-742	UAV-COMMUNICATION MAINTENANCE FACILITY/INFRASTRUCT/UTILITIES				LS	3,989	OCT 97	JUL 98			
442-758	UAV-LOGISTICS AND TRAINING FACILITY				2,175 SM	3,965	OCT 97	JUL 98			
TOTAL:						15,013					
9a. Future Projects: Included in the Following Program (FY 2000) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
10. Mission or Major Functions: An auxiliary airfield that supports the USAF Weapons Center at Nellis AFB, NV, during contingency and surge flying activities (Red Flag exercises, Gunsmoke competitions, Thunderbirds practices, etc.); reconnaissance squadron equipped with Predator UAVs.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:										0	
b. Water pollution:										0	
c. Occupational safety and health:										0	
d. Other Environmental:										0	
12. Real Property Maintenance Backlog This Installation										13,578	

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION	INDIAN SPRINGS AIR FORCE AUXILIARY AIR FIELD, NEVADA		4. PROJECT TITLE	UAV-LOGISTICS AND TRAINING FACILITY	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.72.45	442-758	LKTC983103	3,965		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
UAV-LOGISTICS AND TRAINING FACILITY		SM	2,175		3,015
LOGISTICS, STORAGE WAREHOUSE/PROCESS		SM	1,700	1,300	(2,210)
OPS SIMULATOR AND MAINTENANCE TRAINING		SM	475	1,695	(805)
SUPPORTING FACILITIES					548
UTILITIES		LS			(169)
SITE IMPROVEMENTS		LS			(159)
PAVEMENTS		LS			(170)
DEMOLITION		SM	475	105	(50)
SUBTOTAL					3,563
CONTINGENCY (5%)					178
TOTAL CONTRACT COST					3,741
SUPERVISION, INSPECTION AND OVERHEAD (6%)					224
TOTAL REQUEST					3,965
TOTAL REQUEST (ROUNDED)					3,965
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, masonry walls, structural steel frame, metal roof system, fire protection, utilities, pavements, and site improvements. Air Conditioning: 210 KW.					
11. REQUIREMENT: 2,175 SM ADEQUATE: 0 SUBSTANDARD: 0 PROJECT: Construct Logistics Warehouse and Unmanned Aerial Vehicle (UAV) Simulator and Maintenance Training Facility. (New Mission) REQUIREMENT: Permanent facilities adequately sized and configured are required to support the FY98 beddown of 45 Medium Altitude Endurance (MAE) UAV Predators and 566 personnel at Indian Springs Air Force Auxiliary Air Field (ISAFAAF). The logistics facility is required to support Mission Readiness Spares Package (MRSP), mobility processing, and supplies. In addition, the UAV simulator and maintenance training facility is required to support training of new personnel. CURRENT SITUATION: ISAFAAF has no permanent facilities that can be reconfigured to support the UAV's logistics and training requirements. As a result, these functions must be collocated with other missions in existing wood framed structures until required permanent facilities are provided. These antiquated facilities lack the necessary utilities and fire protection to effectively support the logistics and training requirements of these unique aircraft. IMPACT IF NOT PROVIDED: Failure to provide facilities to support this new mission beddown will significantly impact UAV operational and training capabilities. Adequate facilities will not be available to perform essential logistics and training functions forcing additional work-arounds which will degrade mission performance.					

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1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
INDIAN SPRINGS AIR FORCE AUXILIARY AIR FIELD, NEVADA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UAV-LOGISTICS AND TRAINING FACILITY	LKTC983103	
<p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project was done. It indicates that only new construction will meet operational requirements. Therefore, a full economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: Col Darrell Hutchinson, (702) 652-4833</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
INDIAN SPRINGS AIR FORCE AUXILIARY AIR FIELD, NEVADA		
4. PROJECT TITLE		5. PROJECT NUMBER
UAV-LOGISTICS AND TRAINING FACILITY		LKTC983103
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		97 OCT 15
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1998		35%
(d) Date 35% Designed.		97 DEC 22
(e) Date Design Complete		98 JUL 15
(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): (\$000)		
(a) Production of Plans and Specifications		237
(b) All Other Design Costs		119
(c) Total		356
(d) Contract		267
(e) In-house		89
(4) Construction Start		99 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION INDIAN SPRINGS AIR FORCE AUXILIARY AIR FIELD, NEVADA		4. PROJECT TITLE UAV-SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT		
5. PROGRAM ELEMENT 2.72.45	6. CATEGORY CODE 141-753	7. PROJECT NUMBER LKTC983102	8. PROJECT COST(\$000) 7,059	
9. COST ESTIMATES				
ITEM		U/M	QUANTITY	UNIT COST (\$000)
UAV-SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT		SM	2,975	5,060
SQUADRON OPERATIONS/MAINTENANCE FAC		SM	2,225	1,600 (3,560)
ACFT MAINTENANCE DOCK (HIGH BAY)		SM	750	2,000 (1,500)
SUPPORTING FACILITIES				1,282
UTILITIES		LS		(330)
SITE IMPROVEMENTS		LS		(246)
PAVEMENTS		LS		(286)
UAV GROUND STATION TECH PAD		LS		(420)
SUBTOTAL				6,342
CONTINGENCY (5%)				317
TOTAL CONTRACT COST				6,659
SUPERVISION, INSPECTION AND OVERHEAD (6%)				400
TOTAL REQUEST				7,059
TOTAL REQUEST (ROUNDED)				7,059
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, masonry walls, structural steel frame, metal roof system and fire protection. Hangar includes overhead crane and required fire suppression system. Includes a ground station tech pad, utilities, pavements, site improvements and all necessary support. Air Conditioning: 210 KW.				
11. REQUIREMENT: 5,205 SM ADEQUATE: 2,230 SM SUBSTANDARD: 1,200 SM PROJECT: Construct Unmanned Aerial Vehicle (UAV) Operations and Maintenance facility. (New Mission) REQUIREMENT: Permanent facilities adequately sized and configured are required to support the FY98 beddown of 45 Medium Altitude Endurance (MAE) UAV Predators and 566 personnel at Indian Springs Air Force Auxiliary Air Field (ISAFAAF). The squadron operations/aircraft maintenance unit facility is required to support mission planning, direct flight operations and maintenance functions, brief and critique UAV student pilots, and maintenance personnel. The UAV aircraft maintenance hangar is required to support direct maintenance of assigned UAV assets. A UAV ground station tech pad is required for deployable systems. CURRENT SITUATION: ISAFAAF has no permanent facilities that can be reconfigured and dedicated to support the UAV's operational and maintenance requirements. As a result, these functions must be collocated with other missions in existing wood framed structures until the required permanent facilities are provided. These antiquated facilities lack the necessary utilities, fire protection, and equipment to effectively maintain these unique aircraft. IMPACT IF NOT PROVIDED: Failure to provide facilities to support this new				

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
INDIAN SPRINGS AIR FORCE AUXILIARY AIR FIELD, NEVADA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UAV-SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT	LKTC983102	
<p>mission beddown will significantly impact UAV operational capabilities. Adequate facilities will not be available to perform essential squadron operations and maintenance functions forcing additional work-arounds which will degrade mission performance.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project was done. It indicates that only new construction will meet operational requirements. Therefore, a full economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: Col Darrell Hutchinson, (702) 652-4833</p>		
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1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
INDIAN SPRINGS AIR FORCE AUXILIARY AIR FIELD, NEVADA		
4. PROJECT TITLE		5. PROJECT NUMBER
UAV-SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT		LKTC983102
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		97 OCT 15
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1998		35%
(d) Date 35% Designed.		97 DEC 22
(e) Date Design Complete		98 JUL 15
(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): (\$000)		
(a) Production of Plans and Specifications		423
(b) All Other Design Costs		212
(c) Total		635
(d) Contract		476
(e) In-house		159
(4) Construction Start		99 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION INDIAN SPRINGS AIR FORCE AUXILIARY AIR FIELD, NEVADA			4. PROJECT TITLE UAV-COMMUNICATION MAINTENANCE FACILITY/INFRASTRUCT/UTILITIES		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.72.45	217-742	LKTC983104	3,989		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
UAV-COMMUNICATION MAINTENANCE FACILITY/INFRASTRUCT/UTILITIES		LS			3,204
UAV COMM MAINTENANCE FAC (HIGH BAY)		SM	650	1,500	(975)
BASE INFRASTRUCTURE AND UTILITIES		LS			(2,229)
SUPPORTING FACILITIES					380
UTILITIES		LS			(135)
SITE IMPROVEMENTS		LS			(105)
PAVEMENTS		LS			(140)
SUBTOTAL					3,584
CONTINGENCY (5%)					179
TOTAL CONTRACT COST					3,763
SUPERVISION, INSPECTION AND OVERHEAD (6%)					226
TOTAL REQUEST					3,989
TOTAL REQUEST (ROUNDED)					3,989
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, masonry walls, structural steel frame, metal roof system, fire protection, utilities, pavements, and site improvements. Air Conditioning: 135 KW.					
11. REQUIREMENT: 650 SM ADEQUATE: 0 SUBSTANDARD: 0 PROJECT: Construct Unmanned Aerial Vehicle (UAV) Communication Maintenance Facility and Upgrade base infrastructure/utilities. (New Mission) REQUIREMENT: Permanent facilities adequately sized and configured are required to support the FY98 beddown of 45 Medium Altitude Endurance (MAE) UAV Predators and 566 personnel at Indian Springs Air Force Auxiliary Air Field (ISAFAAF). The UAV communication maintenance facility is required for the repair of deployable and in-garrison reconnaissance equipment. In addition, the base infrastructure and utilities need to be upgraded to support all planned construction, personnel, and assigned UAV assets. CURRENT SITUATION: ISAFAAF has no permanent facilities that can be reconfigured to support this new mission's communications maintenance requirements. As a result, the communications functions will be collocated with other missions in existing wood framed structures until the required permanent facilities are provided. Additionally, these existing utilities and their infrastructure are in desperate need of repair. IMPACT IF NOT PROVIDED: Failure to provide facilities to support this new mission beddown will significantly impact UAV communications maintenance capabilities. Adequate facilities will not be available to perform essential squadron maintenance forcing additional work-arounds which will					

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1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
INDIAN SPRINGS AIR FORCE AUXILIARY AIR FIELD, NEVADA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UAV-COMMUNICATION MAINTENANCE		
FACILITY/INFRASTRUCT/UTILITIES	LKTC983104	
<p>degrade mission performance.</p> <p><u>ADDITIONAL</u>: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project was done. It indicates that only new construction will meet operational requirements. Therefore, a full economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: Col Darrell Hutchinson, (702) 652-4833</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
INDIAN SPRINGS AIR FORCE AUXILIARY AIR FIELD, NEVADA		
4. PROJECT TITLE		5. PROJECT NUMBER
UAV-COMMUNICATION MAINTENANCE FACILITY/INFRASTRUCT/UTILITIES		LKTC983104
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		97 OCT 15
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1998		35%
(d) Date 35% Designed.		97 DEC 22
(e) Date Design Complete		98 JUL 15
(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): (\$000)		
(a) Production of Plans and Specifications		239
(b) All Other Design Costs		120
(c) Total		359
(d) Contract		269
(e) In-house		90
(4) Construction Start		99 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION						4. COMMAND			5. AREA CONST COST INDEX		
NELLIS AIR FORCE BASE, NEVADA						AIR COMBAT COMMAND			1.06		
5. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 97		810	5462	942				285	564	252	8,315
b. End FY 2003		791	5497	916				285	564	252	8,305
7. INVENTORY DATA (\$000)											
a. Total Acreage: (11,259)											
b. Inventory Total As Of: (30 SEP 97) 490,046											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 6,378											
e. Authorization Included In Following Program: (FY 2000) 16,550											
f. Planned In Next Three Program Years: 16,800											
g. Remaining Deficiency: 35,650											
h. Grand Total: 565,424											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY		PROJECT TITLE				SCOPE		COST (\$000)		DESIGN STATUS	
CODE										START Cmpl	
721-312		DORMITORY				84 PN		6,378		TURN KEY	
						TOTAL:		6,378			
9a. Future Projects: Included in the Following Program (FY 2000)											
211-152		F-22 AIRCRAFT MAINTENANCE HANGAR				3,250 SM		7,900			
211-152		F-22 COMPOSITE AND FABRICATION SHOP				1,500 SM		4,800			
442-758		F-22 PARTS WAREHOUSE AND OPERATIONS ADDITION				1,200 SM		3,850			
						TOTAL:		16,550			
9b. Future Projects: Typical Planned Next Three Years:											
141-753		HH-60 SQUADRON OPERATIONS & MAINTENANCE FACILITY				1,100 SM		4,600			
171-211		WEAPONS SCHOOL ADDITION				2,765 SM		7,500			
216-642		CONVENTIONAL MUNITIONS MAINT FACILITY				604 SM		1,950			
216-642		F-22 MUNITIONS MAINTENANCE FACILITY				700 SM		2,750			
10. Mission or Major Functions: Air Warfare Center; a flying wing that includes the Weapons School (A-10, F-15, F-15E, and F-16 aircraft), a fighter squadron, an adversary threat group (Red Flag), a test squadron (A-10, F-15 and F-16 aircraft), the USAF Air Demonstration Squadron (Thunderbirds), and a HH-60 rescue squadron; Air Force Combat Rescue School; a joint training unit (Air Warrior); a RED HORSE Squadron; and an Air Force Materiel Command Munitions Squadron.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:										0	
b. Water pollution:										0	
c. Occupational safety and health:										0	
d. Other Environmental:										0	
12. Real Property Maintenance Backlog This Installation										63,357	

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
NELLIS AIR FORCE BASE, NEVADA			DORMITORY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
2.75.96	721-312	RKMF993008	6,378		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (84 PN)		SM	2,756	1,800	4,961
SUPPORTING FACILITIES					769
UTILITIES		LS			(190)
PAVEMENTS		LS			(204)
SITE IMPROVEMENTS		LS			(130)
DEMOLITION		SM	950	258	(245)
SUBTOTAL					5,730
CONTINGENCY (5%)					287
TOTAL CONTRACT COST					6,017
SUPERVISION, INSPECTION AND OVERHEAD (6%)					361
TOTAL REQUEST					6,378
TOTAL REQUEST (ROUNDED)					6,378
10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, masonry walls and roof. Includes room-bath/kitchen-room modules, laundries, storage and lounge areas and all supporting facilities and the demolition of an old central latrine dormitory replaced by this project. Air Conditioning: 400 KW. Grade Mix: 84 E1-E4.					
11. REQUIREMENT: 1,390 PN ADEQUATE: 1,102 PN SUBSTANDARD: 34 PN PROJECT: Construct a dormitory (Current Mission) REQUIREMENT: It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation, and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. CURRENT SITUATION: The dormitory to be replaced is central gang latrine design and no longer meets current Air Force design and Quality of Life standards. Mechanical, electrical, and fire protection systems are old, obsolete, inefficient and do not meet current Life Safety Codes. Exterior wall finishes, windows, doors, communications systems (telephone/data, television), and the water/sewer systems all are failing and require immediate replacement. Boiler insulation, pipe insulation, floor tiling, and ceilings all contain asbestos that is potentially dangerous to the building occupants. The facility has inadequate personal storage and laundry areas. IMPACT IF NOT PROVIDED: Substandard living conditions will persist degrading morale, productivity, and career satisfaction for unaccompanied					

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION NELLIS AIR FORCE BASE, NEVADA		
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER RKMF993008	
<p>enlisted personnel. This problem is further compounded by the non-availability of affordable off-base housing.</p> <p><u>ADDITIONAL</u>: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. BASE CIVIL ENGINEER: Col Darrell Hutchinson, (702) 652-4833. FY 1996 Unaccompanied Housing RPM Conducted \$168K. FY 1997 Unaccompanied Housing RPM Conducted: \$1,132K. Future Unaccompanied Housing RPM Requirements (estimated): FY 1998: \$2,200K, FY 1999: \$3,300K, FY 2000: \$0, FY 2001: \$0, FY 2002: \$0, FY 2003: \$0.</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)	2. DATE
3. INSTALLATION AND LOCATION NELNIS AIR FORCE BASE, NEVADA		
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER RKMF993008	
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by one step turn key procedures</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design - NO</p> <p>(b) Where Design Was Most Recently Used - N/A</p> <p>(3) Design Allowance 255</p> <p>(4) Construction Start 99 JAN</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> <p>147</p>		

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)							2. DATE		
AIR FORCE											
3. INSTALLATION AND LOCATION					4. COMMAND			5. AREA CONST			
MCGUIRE AIR FORCE BASE, NEW JERSEY					AIR MOBILITY			COST INDEX			
					COMMAND			1.14			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 97		582	4028	1460				109	370	123	6,672
b. End FY 2003		624	4077	1388				109	370	123	6,691
7. INVENTORY DATA (\$000)											
a. Total Acreage: (3,661)											
b. Inventory Total As Of: (30 SEP 97)		256,020									
c. Authorization Not Yet In Inventory:		0									
d. Authorization Requested In This Program:		6,044									
e. Authorization Included In Following Program: (FY 2000)		0									
f. Planned In Next Three Program Years:		27,823									
g. Remaining Deficiency:		57,220									
h. Grand Total:		347,107									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY		PROJECT TITLE			SCOPE		COST (\$000)		DESIGN STATUS		
<u>CODE</u>									<u>START</u>		<u>CMPL</u>
722-351		DINING FACILITY			1,950 SM		6,044		MAR 97		SEP 98
					TOTAL:		6,044				
9a. Future Projects: Included in the Following Program (FY 2000) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
111-111		EXTEND RUNWAY			31,155 SM		17,223				
721-315		VISITING QUARTERS			117 PN		10,600				
10. Mission or Major Functions: Headquarters Twenty-First Air Force; an air mobility wing with two C-141B squadrons and two KC-10A squadrons; an Air Mobility Operations Group (AMOG); the Air Mobility Command Mobility Warfare Center; an Air Force Reserve C-141/KC-10 associate air mobility wing; and an Air National Guard air refueling wing with two KC-135 squadrons.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:		0									
b. Water pollution:		0									
c. Occupational safety and health:		0									
d. Other Environmental:		0									
12. Real Property Maintenance Backlog This Installation		117,484									

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MCGUIRE AIR FORCE BASE, NEW JERSEY			DINING FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
4.18.96	722-351	PTFL953009	6,044		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DINING FACILITY		SM	1,950	2,400	4,680
SUPPORTING FACILITIES					750
UTILITIES		LS			(210)
PAVEMENTS		LS			(100)
SITE IMPROVEMENTS		LS			(44)
DEMOLITION/ASBESTOS REMOVAL/DISPOSAL		SM	3,300	120	(396)
SUBTOTAL					5,430
CONTINGENCY (5%)					272
TOTAL CONTRACT COST					5,702
SUPERVISION, INSPECTION AND OVERHEAD (6%)					342
TOTAL REQUEST					6,044
TOTAL REQUEST (ROUNDED)					6,044
10. Description of Proposed Construction: One-story facility with concrete floor slabs, structural steel frame, masonry exterior walls, and sloped roofing system. Includes space for food preparation and storage, dining, fire protection, site improvements, demolition, and necessary support. Air Conditioning: 75 KW.					
11. REQUIREMENT: 1,950 SM ADEQUATE: 0 SUBSTANDARD: 2,817 SM PROJECT: Construct dining facility. (Current Mission) REQUIREMENT: An adequately sized dining facility is required to prepare and serve over 1,400 meals per day. The dining facility must serve both the single enlisted personnel living on-base and personnel living off-base during around-the-clock work shifts 24 hours each day. The facility must be configured such that serving lines can accommodate shift workers in a timely and efficient manner as to allow these personnel to eat and return to work on time. Space is required for food preparation, refrigerated food storage, storage of non-perishable foods, a properly designed food serving line and dining area. A modern dining facility is essential for maintaining an effective, all-volunteer Air Force. CURRENT SITUATION: Dining hall operations are presently accommodated in two substandard facilities constructed in the mid-1950's which cannot be economically upgraded to provide an adequate dining environment. The facilities are out-dated, poorly configured food serving lines, food preparation areas, and crowded dining areas. Upon completion of requested construction, both dining facilities (2,817 SM) will be demolished. Additionally, a vacated fire station totaling 488 SM will be demolished to provide the construction site for the new dining facility.					

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MCGUIRE AIR FORCE BASE, NEW JERSEY		
4. PROJECT TITLE DINING FACILITY	5. PROJECT NUMBER PTFL953009	
<p><u>IMPACT IF NOT PROVIDED:</u> Unaccompanied enlisted personnel will continue to be served in a sub-standard dining facilities which will have an adverse impact on their morale and well being. Additionally, inefficient operations and costly facility maintenance will continue to prevail.</p> <p><u>ADDITIONAL:</u> 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 status quo, addition/alteration, and new construction. Based on net present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project. BASE CIVIL ENGINEER: LTC WILLIAMS, (609) 724-2642.</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
MCGUIRE AIR FORCE BASE, NEW JERSEY		
4. PROJECT TITLE	5. PROJECT NUMBER	
DINING FACILITY	PTFL953009	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	97 MAR 01	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1998	35%	
(d) Date 35% Designed.	97 DEC 12	
(e) Date Design Complete	98 SEP 25	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	PATRICK	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	363	
(b) All Other Design Costs	181	
(c) Total	544	
(d) Contract	408	
(e) In-house	136	
(4) Construction Start		
	99 JAN	
b. Equipment associated with this project will be provided from other appropriations: N/A		
151		

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND			5. AREA CONST COST INDEX				
KIRTLAND AIR FORCE BASE, NEW MEXICO				AIR FORCE			MATERIEL COMMAND			0.96	
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 97		1393	2910	2637				190	396	821	9,347
b. End FY 2003		1342	2917	2667				190	396	821	9,333
7. INVENTORY DATA (\$000)											
a. Total Acreage: (44,025)											
b. Inventory Total As Of: (30 SEP 97) 513,491											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 1,774											
e. Authorization Included In Following Program: (FY 2000) 0											
f. Planned In Next Three Program Years: 60,900											
g. Remaining Deficiency: 153,000											
h. Grand Total: 729,165											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START		Cmpl	
179-511		FIRE TRAINING FACILITY				LS 1,774		TURN KEY			
						TOTAL:		1,774			
9a. Future Projects: Included in the Following Program (FY 2000) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
113-321		UPGRADE AIRFIELD RAMP, PH 1		25,000 SM		5,000					
171-212		FLIGHT SIMULATION TRAINING FACILITY		7,500 SM		14,000					
610-281		NUCLEAR WEAPONS INTEGRATION FACILITY				LS 5,000					
730-832		GIBSON GUARD GATE HOUSE AND VISITOR'S CENTER		60 SM		1,700					
871-183		UPGRADE STORM DRAINAGE SYSTEM				LS 2,600					
10. Mission or Major Functions: Phillips Laboratory; the Air Force Operational Test and Evaluation Center; an Air Education and Training Command special operations wing with three flying training squadrons operating MH-53, TH-53, UH-1, HH-60, MC-130 and HC 130 aircraft; an air base wing; Air Force Security Forces Center; and an Air National Guard fighter wing with F-16s.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution: 0											
b. Water pollution: 1,200											
c. Occupational safety and health: 8,000											
d. Other Environmental: 1,000											
12. Real Property Maintenance Backlog This Installation 106,639											

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
KIRTLAND AIR FORCE BASE, NEW MEXICO			FIRE TRAINING FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
7.80.56	179-511	MHMV923010	1,774		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
FIRE TRAINING FACILITY		LS			1,350
SUPPORTING FACILITIES					250
UTILITIES		LS			(120)
PAVEMENTS		LS			(80)
SITE IMPROVEMENTS		LS			(50)
SUBTOTAL					1,600
CONTINGENCY (5%)					80
TOTAL CONTRACT COST					1,680
SUPERVISION, INSPECTION AND OVERHEAD (6%)					101
TOTAL REQUEST					1,781
TOTAL REQUEST (ROUNDED)					1,774
10. Description of Proposed Construction: Construct a double lined fire training facility with aircraft mock-up and associated environmental and safety systems. Includes liquid propane gas storage tank, pumps, piping, storage system for fuel and water, lighting, fencing, access road, and all necessary utilities and site preparation.					
11. REQUIREMENT: As required.					
PROJECT: Construct a fire training facility. (Current Mission)					
REQUIREMENT: This is a Level I environmental compliance requirement. The existing fire training facility did not meet Clean Water Act requirements for ground water protection in 40 CFR 122. A live fire training facility using the latest gas burning technology and meeting all environmental and safety regulations is required. Live fire training exercises, an FAA quarterly requirement, enable fire fighters to maintain a high level of proficiency. It is Air Force policy to have a facility on every major Air Force installation to meet fire training requirements which complies with all applicable criteria and environmental requirements.					
CURRENT SITUATION: The existing facility has been closed since 1992 because of subsurface contamination and failure to meet Clean Water Act requirements. This has left the base fire department without an environmentally safe live fire training capability. Limited live fire training is presently conducted at a site 75 miles from the base. Long-term off-base training is not acceptable since crews and fire vehicles are removed from the base and therefore are not available to respond to base emergencies.					
IMPACT IF NOT PROVIDED: Firefighting crews will continue to perform limited live fire training 75 miles away from the base, adversely impacting their degree of readiness. Lack of training could result in					

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO		
4. PROJECT TITLE FIRE TRAINING FACILITY	5. PROJECT NUMBER MHMV923010	
<p>injury, loss of life, or loss of an aircraft.</p> <p><u>ADDITIONAL</u>: There is no criteria/scope for this project in Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". BASE CIVIL ENGINEER: Lt Col Lavon Alston, (405) 846-7916.</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE				
AIR FORCE	3. INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO					
4. PROJECT TITLE	5. PROJECT NUMBER					
FIRE TRAINING FACILITY	MHMV923010					
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by one step turn key procedures</p> <p>(2) Basis:</p> <table data-bbox="363 630 1445 714"> <tr> <td>(a) Standard or Definitive Design -</td> <td>YES</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>EGLIN</td> </tr> </table> <p>(3) Design Allowance 80</p> <p>(4) Construction Start 99 JAN</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(a) Standard or Definitive Design -	YES	(b) Where Design Was Most Recently Used -	EGLIN
(a) Standard or Definitive Design -	YES					
(b) Where Design Was Most Recently Used -	EGLIN					

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)									2. DATE	
AIR FORCE											
3. INSTALLATION AND LOCATION						4. COMMAND			5. AREA CONST		
GRAND FORKS AIR FORCE BASE, NORTH DAKOTA						AIR MOBILITY COMMAND			COST INDEX 0.98		
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 97		559	3445	360				1	2	93	4,460
b. End FY 2003		346	2457	305				1	2	93	3,204
7. INVENTORY DATA (\$000)											
a. Total Acreage: (5,422)											
b. Inventory Total As Of: (30 SEP 97) 351,570											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 2,686											
e. Authorization Included In Following Program: (FY 2000) 0											
f. Planned In Next Three Program Years: 25,700											
g. Remaining Deficiency: 39,550											
h. Grand Total: 419,506											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY		PROJECT TITLE				SCOPE		COST	DESIGN STATUS		
CODE							(\$000)	START	CMPL		
179-511	FIRE TRAINING FACILITY				LS		2,686	MAY 97	SEP 98		
							TOTAL:	2,686			
9a. Future Projects: Included in the Following Program (FY 2000) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
113-321	KC-135 APRON EXTENSION-PH1				60,000 SM		9,100				
141-753	KC-135 SQ OPS/AMU				3,800 SM		7,800				
740-673	PHYSICAL FITNESS CENTER				4,650 SM		8,800				
10. Mission or Major Functions: An air refueling wing with four KC-135 squadrons and an Air Force Space Command missile group with one Minuteman III intercontinental ballistic missile squadron with HH-1 helicopters which will be inactivated as a result of the 1995 Defense Base Closure and Realignment Commission's recommendation.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:										0	
b. Water pollution:										0	
c. Occupational safety and health:										0	
d. Other Environmental:										2,800	
12. Real Property Maintenance Backlog This Installation										77,659	

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
GRAND FORKS AIR FORCE BASE, NORTH DAKOTA			FIRE TRAINING FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
4.18.56	179-511	JFSD978001	2,686		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
FIRE TRAINING FACILITY		LS			1,339
SUPPORTING FACILITIES					1,074
RELOCATE RECREATIONAL VEHICLE LOT		EA	1	522,000	(522)
UTILITIES		LS			(202)
PAVEMENTS		LS			(217)
SITE IMPROVEMENTS		LS			(121)
STORAGE TANK (37,850 LITERS)		EA	1	12,000	(12)
SUBTOTAL					2,413
CONTINGENCY (5%)					121
TOTAL CONTRACT COST					2,534
SUPERVISION, INSPECTION AND OVERHEAD (6%)					152
TOTAL REQUEST					2,686
TOTAL REQUEST (ROUNDED)					2,686
10. Description of Proposed Construction: Construct new fire training facility with propane fuel and burner systems, impervious liner system, and aircraft mockup. Construct new recreational vehicle parking lot. New fire training pit will be constructed on current recreational vehicle (RV) parking lot. Includes all necessary support.					
11. REQUIREMENT: As required.					
PROJECT: Fire training facility. (Current Mission)					
REQUIREMENT: This is a Level 1 environmental compliance project. The existing fire training pit does not meet the North Dakota Drinking Water Act Code, Title 61 chapter 28. An adequately sized and configured fire training facility is required to provide realistic conditions whereby fire fighters can practice extinguishing flames and rescuing personnel from burning aircraft. The facility must include necessary systems and controls for the fuel, burners, drainage for the pit, and an aircraft mockup. Traveling to other installations to conduct fire training is not feasible due to the high cost and the level of manning required to remain at the installation to support the mission.					
CURRENT SITUATION: Current fire training pit is sited out of compliance with the North Dakota Drinking Water Act, Title 61, Chapter 28 and with the Base Comprehensive Plan. Environmental concerns have severely limited its use so that adequate training is not being performed as directed by Air Force Instructions. The base recreational vehicle parking lot must be relocated as this site is the only site large enough to accommodate the fire training pit and meet its functional requirements. The 77 acres of available land is scheduled to be landfill capped. Other land is extremely low and is designated as a wetland. These constraints eliminate other potential sites on which to construct a new fire training facility.					

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
GRAND FORKS AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE	5. PROJECT NUMBER	
FIRE TRAINING FACILITY	JFSD978001	
<p><u>IMPACT IF NOT PROVIDED:</u> Fire fighters will not be able to meet Air Force and FAA quarterly training requirements for remaining proficient in aircraft crash fire fighting and rescue techniques. The safety of both the fire fighter and aircraft accident victims will continue to be compromised by lack of proper training.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, and new construction) was done. It indicates that only new construction meets operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: LTC HOWE, (701) 747-4769.</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
GRAND FORKS AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE		5. PROJECT NUMBER
FIRE TRAINING FACILITY		JFSD978001
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		97 MAY 01
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1998		35%
(d) Date 35% Designed.		97 NOV 07
(e) Date Design Complete		98 SEP 30
(2) Basis:		
(a) Standard or Definitive Design -		YES
(b) Where Design Was Most Recently Used -		DOVER
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		161
(b) All Other Design Costs		81
(c) Total		242
(d) Contract		181
(e) In-house		61
(4) Construction Start		99 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

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1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)							2. DATE		
AIR FORCE											
3. INSTALLATION AND LOCATION					4. COMMAND			5. AREA CONST			
WRIGHT-PATTERSON					AIR FORCE			COST INDEX			
AIR FORCE BASE, OHIO					MATERIEL COMMAND			0.96			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 97		3143	3041	12005				81	138	169	22,577
b. End FY 2003		2949	2912	10818				81	138	169	21,067
7. INVENTORY DATA (\$000)											
a. Total Acreage: (8,145)											
b. Inventory Total As Of: (30 SEP 97) 934,655											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 22,000											
e. Authorization Included In Following Program: (FY 2000) 0											
f. Planned In Next Three Program Years: 60,500											
g. Remaining Deficiency: 150,500											
h. Grand Total: 1,167,655											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
<u>CODE</u>								<u>START</u>		<u>CMPL</u>	
311-173		ACQUISITION MANAGEMENT COMPLEX, PH-4A		11,000 SM		22,000		TURN KEY			
						TOTAL:		22,000			
9a. Future Projects: Included in the Following Program (FY 2000) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
141-454		ADD TO AND ALTER SPECIAL OPERATIONS INTELLEGENCE FAC		1,235 SM		2,500					
141-745		ADD/ALTER PHOTO RECONNAISSANCE FACILITY		LS		2,100					
149-962		CONTROL TOWER		LS		4,000					
310-932		CONSOLIDATE AVIONICS RESEARCH LABORATORY		5,707 SM		13,600					
760-111		ADD TO AIR FORCE MUSEUM		25,450 SM		15,000					
10. Mission or Major Functions: AFMC Headquarters responsible for management, command, control and direction of worldwide logistics support for aircraft weapons systems, missiles and related components; Air Force Wright Aeronautical Laboratories including Materials, Avionics, Flight Dynamics and Aeropropulsion; Wright Laboratory; the Air Force Institute of Technology (AFIT); the Air Force Museum; an Air Force Reserve wing with two C-141 airlift squadrons; and an AFMC base wing with one C-21 logistics group.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:										4,700	
b. Water pollution:										0	
c. Occupational safety and health:										0	
d. Other Environmental:										15,500	
12. Real Property Maintenance Backlog This Installation										192,428	

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
WRIGHT-PATTERSON AIR FORCE BASE, OHIO			ACQUISITION MANAGEMENT COMPLEX, PH-4A		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
7.28.06	311-173	ZHTV983205	22,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
ACQUISITION MANAGEMENT COMPLEX, PH-4A		SM	11,000	1,400	15,400
SUPPORTING FACILITIES					4,723
DEMOLISH BUILDING		SM	10,868	118	(1,282)
COMMUNICATIONS SUPPORT		LS			(615)
OTHER SUPPORTING FACILITIES		LS			(2,826)
SUBTOTAL					20,123
CONTINGENCY (5%)					1,006
TOTAL CONTRACT COST					21,129
SUPERVISION, INSPECTION AND OVERHEAD (6%)					1,268
TOTAL REQUEST					22,397
TOTAL REQUEST (ROUNDED)					22,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(6,725)
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, structural frame, roof system, and secure space. Includes administration space, special purpose space, miscellaneous infrastructure connections, sewage lift station, adding central chiller and boiler to plant, road, and ceremonial plaza. Includes all necessary support. Air Conditioning: 1735 KW.					
11. REQUIREMENT: 121,318 SM ADEQUATE: 63,937 SM SUBSTANDARD: 70,986 SM PROJECT: Acquisition management complex, Phase-4A. (Current Mission) REQUIREMENT: Provide a secure, modern, flexible office space to be the Center of Choice for leading integrated planning and execution activities associated with acquisition programs within the Aerospace Control and Strike (AC/S) System Mission Area Group (MAG). The AC/S MAG must provide superior mission area expertise, acquisition management, technical support, personnel support, and system integration support for assigned programs within the AC/S MAG, and team with the warfighter and industry to develop, acquire, field and sustain superior Aerospace Control and Strike Systems--faster, cheaper, and better. ASC has led strategic planning efforts to align the Center along mission areas to conform with Air Force Doctrine Document (AFDD-1 draft). The AC/S Systems MAG must be consolidated in modern facilities equipped with the latest information systems technology. This phase consolidates the F-15, F-22, F-117 SPOs, Mission Area Support Office (MASO), Acquisition Mgt Spt Office (AMSO), LANTIRN, Joint Strike Fighter Spt Office, and Stealth Focus Area Office. CURRENT SITUATION: Most ASC facilities to be upgraded were constructed between 1928-1944 and later modified to accommodate the current mission. Some buildings are structurally sound but have many deficiencies including					

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1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION WRIGHT-PATTERSON AIR FORCE BASE, OHIO		
4. PROJECT TITLE	5. PROJECT NUMBER	
ACQUISITION MANAGEMENT COMPLEX, PH-4A	ZHTV983205	
<p>energy inefficient heating, cooling, and lighting systems, roof leaks, rest rooms in disrepair, and asbestos ceilings and insulation. These buildings have not adapted well to modern engineering requirements. Numerous interior partitions contribute to inefficient layouts which waste floor space and hampers work force efficiency. Currently, the AC/S MAG is located in nine separate facilities. The present layout of the facilities inhibit individual and project team interaction which is vital. The AC/S MAG is being consolidated within the AMC Complex in three increments: The first increment (AMC Phase-3) was activated in FY97 with the B-1 and B-2 System Program Offices; this increment (AMC Phase-4A) consolidates the F-15, F-22, F-117 SPOs Mission Area Support Office (MASO), Acquisition Management Support Office (AMSO), LANTIRN, Joint Strike Fighter Support Office, and the Stealth Focus Area. The third increment (AMC Phase-4B) will consolidate the remainder of the AC/S MAG Program. This project includes the demolition of facilities totaling 10,868 SM.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The AC/S Systems MAG implementation will not occur in support of the Product Support Office (PSO) organizational concept at ASC supporting the Center's alignment with ACC, USAF/XO, SAF/AQ, and Air Force Doctrine focusing on the Global Power Mission Area (MA). The Air Force will not be able to lead in the development of stealth technologies for aircraft as charged by the Department of Defense. Failure to properly address the future now will threaten the existance of the Center. Without this project, complex weapon system integration will continue to operate in inadequate facilities resulting in decreased operating efficiency and unnecessary operating costs.</p> <p><u>ADDITIONAL:</u> 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 benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. BASE CIVIL ENGINNER: Col Louis F. Hauck, (937) 257-6214.</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE	
AIR FORCE			
3. INSTALLATION AND LOCATION			
WRIGHT-PATTERSON AIR FORCE BASE, OHIO			
4. PROJECT TITLE		5. PROJECT NUMBER	
ACQUISITION MANAGEMENT COMPLEX, PH-4A		ZHTV983205	
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Project to be accomplished by one step turn key procedures			
(2) Basis:			
(a) Standard or Definitive Design -		NO	
(b) Where Design Was Most Recently Used -		N/A	
(3) Design Allowance		650	
(4) Construction Start		99 JAN	
b. Equipment associated with this project will be provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
PRE-WIRED WORKSTATIONS	3400	2000	3000
LOOSE FURNITURE	3400	2000	1500
COMMUNICATIONS SUPPORT	3400	2000	2225

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND			5. AREA CONST COST INDEX				
TINKER AIR FORCE BASE, OKLAHOMA				AIR FORCE			MATERIEL COMMAND				
							0.88				
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 97		1261	5548	11664					851	620	19,944
b. End FY 2003		1261	5446	12780					851	620	20,958
7. INVENTORY DATA (\$000)											
a. Total Acreage: (4,886)											
b. Inventory Total As Of: (30 SEP 97) 805,860											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 14,185											
e. Authorization Included In Following Program: (FY 2000) 23,300											
f. Planned In Next Three Program Years: 64,250											
g. Remaining Deficiency: 124,100											
h. Grand Total: 1,031,695											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START	CMPL		
217-742	COMBAT COMMUNICATIONS SQUADRON OPERATIONS FACILITY			2,700 SM		5,085		MAR 97	AUG 98		
721-312	DORMITORY			144 RM		9,100		TURN KEY			
TOTAL:						14,185					
9a. Future Projects: Included in the Following Program (FY 2000)											
211-251	AIR DRIVEN ACCESSORIES OVERHAUL AND TEST FACILITY			9,160 SM		17,500					
721-312	DORMITORY			96 RM		5,800					
TOTAL:						23,300					
9b. Future Projects: Typical Planned Next Three Years:											
111-111	REPAIR PRIMARY RUNWAY			84,000 SM		11,200					
116-000	AIRCRAFT DEICING PADS				LS	1,750					
141-764	ADD TO AND ALTER INTEGRATION SUPPORT FACILITY			6,000 SM		11,600					
211-159	DEPOT CORROSION CONTROL STRIP FACILITY			5,064 SM		12,600					
217-742	COMBAT COMMUNICATIONS SQUAD OPS (31 CCS)			4,000 SM		7,600					
10. Mission or Major Functions: Oklahoma City Air Logistics Center which is responsible for logistics management, support, and depot-level maintenance of B-1, B-2, B-52, and KC-135 aircraft, and aircraft engines; an air base wing; an Air Combat Command air control wing with three E-3 airborne air control squadrons supporting 24 E-3 aircraft; an AFRES wing with one KC-135 Squadron; an ACC communications group; and an engineering installation wing. A major tenant is the US Navy TACAMO wing (E-6 aircraft).											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution: 13,000											
b. Water pollution: 0											
c. Occupational safety and health: 0											
d. Other Environmental: 0											
12. Real Property Maintenance Backlog This Installation 77,019											

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
TINKER AIR FORCE BASE, OKLAHOMA			COMBAT COMMUNICATIONS SQUADRON OPERATIONS FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.74.22	217-742	WWYK890035	5,085		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
COMBAT COMMUNICATIONS SQUADRON OPERATIONS FACILITY		SM	2,700	1,400	3,780
SUPPORTING FACILITIES					790
SITE IMPROVEMENTS		LS			(235)
COMMUNICATIONS SUPPORT		LS			(115)
UTILITIES		LS			(180)
PAVEMENTS		LS			(215)
PARKING LOT LIGHTING		LS			(25)
EMCS CONNECTIONS		LS			(20)
SUBTOTAL					4,570
CONTINGENCY (5%)					229
TOTAL CONTRACT COST					4,799
SUPERVISION, INSPECTION AND OVERHEAD (6%)					288
TOTAL REQUEST					5,087
TOTAL REQUEST (ROUNDED)					5,085
10. Description of Proposed Construction: Reinforced concrete pier and grade beam foundation with floating slab, steel frame, CMU block with brick exterior, single-ply membrane roof on metal deck. Area includes drive-thru shops, operations admin, training, break room, latrines and mechanical rooms. Includes site preparation, necessary utilities and parking. Air Conditioning: 100 KW.					
11. REQUIREMENT: 21,626 SM ADEQUATE: 464 SM SUBSTANDARD: 10,806 SM PROJECT: Construct a combat communications squadron operations facility. (New Mission) REQUIREMENT: A properly sized and configured facility is required to support a combat communications squadron. Includes command and administrative functions, operations, communications, and air traffic control and communications systems maintenance. Squadron operational capability requires unit to deploy elements of tactical communications/computer equipment, air navigation aids, air traffic control radars, and weather processing and sensing systems within 72 hours to any location in the world. In addition, training areas are needed to prepare new personnel to operate and maintain sophisticated computers, communications and radar equipment and to maintain a high state of readiness for squadron personnel. CURRENT SITUATION: The combat communications squadron operations facilities are located in 24 year old metal structures that are not adequately sized to support required operational readiness functions including equipment maintenance, equipment storage, and pallet buildup. This results in highly sensitive deployable equipment stored outside,					

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
TINKER AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE	5. PROJECT NUMBER	
COMBAT COMMUNICATIONS SQUADRON OPERATIONS FACILITY	WWYK890035	
<p>causing decreased life expectancy, increased failures, and an unacceptable level of security for valuable deployable assets. Additionally, these facilities have no dedicated training areas. The administrative, maintenance, and operational management activities are housed in separate temporary portable buildings. These buildings are energy inefficient and do not contain sanitary facilities. Personnel are forced to use portable toilets in all weather conditions. The existing quality of life is unacceptable.</p>		
<p><u>IMPACT IF NOT PROVIDED:</u> The inability to support required maintenance, operations, pallet buildup, and administration functions will degrade unit readiness. The lack of adequate storage will cause deterioration of equipment and will eventually result in mission stoppage. As the temporary portable buildings near the end of their useful life, the quality of life of combat communications personnel will continue to deteriorate.</p>		
<p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide." However, this project does meet the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: Col Michael Cuddihee, (405) 734-3451</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
TINKER AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE		5. PROJECT NUMBER
COMBAT COMMUNICATIONS SQUADRON OPERATIONS FACILITY		WWYK890035
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		97 MAR 26
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1998		35%
(d) Date 35% Designed.		97 JUL 17
(e) Date Design Complete		98 AUG 07
(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): (\$000)		
(a) Production of Plans and Specifications		305
(b) All Other Design Costs		152
(c) Total		457
(d) Contract		342
(e) In-house		115
(4) Construction Start		99 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
TINKER AIR FORCE BASE, OKLAHOMA			DORMITORY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
7.28.96	721-312	WWYK003002	9,100		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (144 RM)		SM	4,752	1,258	5,978
SUPPORTING FACILITIES					2,230
UTILITIES		LS			(1,600)
PAVEMENTS		LS			(190)
SITE IMPROVEMENTS		LS			(150)
RELOCATE RECREATIONAL FACILITIES		LS			(290)
SUBTOTAL					8,208
CONTINGENCY (5%)					410
TOTAL CONTRACT COST					8,618
SUPERVISION, INSPECTION AND OVERHEAD (6%)					517
TOTAL REQUEST					9,135
TOTAL REQUEST (ROUNDED)					9,100
10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, masonry walls and roof. Includes room-bath/kitchen-room modules, laundry rooms, storage, lounge areas, site preparation, seismic requirements and all supporting utilities. Includes relocation of recreational facilities and construction of infrastructure required for additional dorm construction in the area. Air Conditioning: 300 KW. Grade Mix: 144 E1-E4.					
11. REQUIREMENT: 1,430 PN ADEQUATE: 384 PN SUBSTANDARD: 188 PN <u>PROJECT</u> : Construct a dormitory. (Current Mission) <u>REQUIREMENT</u> : A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. <u>CURRENT SITUATION</u> : The base has insufficient facilities to accommodate unaccompanied enlisted personnel. Local rentals and utilities are so expensive that enlisted personnel cannot afford to live in off-base housing which is located several miles from the base. <u>IMPACT IF NOT PROVIDED</u> : Adequate living quarters will continue to be unavailable and result in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. Lowered morale will contribute to retention difficulties for the Air Force. <u>ADDITIONAL</u> : This project meets the criteria/scope specified in the new uniform barracks construction standard, known as "one-plus-one," established by OSD. All known alternative options were considered during					

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER WWYK003002	
<p>the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. Base Civil Engineer: Col Michael A. Cuddihee, (405) 734-3451. FY 1996 Unaccompanied Housing RPM Conducted: \$397K. FY 1997 Unaccompanied Housing RPM Conducted: \$782K. Estimated Unaccompanied Housing RPM for FY98=\$618K, FY99=\$636K, FY00=\$655K, FY01=\$675K, FY02=\$695K, and FY03=\$716K.</p>		

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE				
3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA						
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER WWYK003002					
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by one step turn key procedures</p> <p>(2) Basis:</p> <table data-bbox="365 630 1437 703"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Design Allowance 364</p> <p>(4) Construction Start 99 JAN</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used -	N/A
(a) Standard or Definitive Design -	NO					
(b) Where Design Was Most Recently Used -	N/A					

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROGRAM								2. DATE	
AIR FORCE		(computer generated)									
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
VANCE AIR FORCE BASE, OKLAHOMA				AIR EDUCATION AND TRAINING COMMAND				COST INDEX 0.92			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 97		296	404	109				53	1	3	866
b. End FY 2003		352	402	108				53	1	3	919
7. INVENTORY DATA (\$000)											
a. Total Acreage: (3,270)									
b. Inventory Total As Of: (30 SEP 97)										91,080	
c. Authorization Not Yet In Inventory:										0	
d. Authorization Requested In This Program:										1,823	
e. Authorization Included In Following Program: (FY 2000)										0	
f. Planned In Next Three Program Years:										12,000	
g. Remaining Deficiency:										21,600	
h. Grand Total:										126,503	
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY						COST		DESIGN STATUS			
<u>CODE</u>		<u>PROJECT TITLE</u>				<u>SCOPE</u>		<u>(\$000)</u>		<u>START</u> <u>CMPL</u>	
179-511		FIRE TRAINING FACILITY				LS		1,823		FEB 93 SEP 98	
						TOTAL:		1,823			
9a. Future Projects: Included in the Following Program (FY 2000) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
442-758		LOGISTICS COMPLEX				11,600 SM		8,000			
740-674		PHYSICAL FITNESS CENTER				2,400 SM		4,000			
10. Mission or Major Functions: A flying training wing which conducts Undergraduate Pilot Training with T-1, T-37, and T-38 aircraft.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:										35	
b. Water pollution:										0	
c. Occupational safety and health:										0	
d. Other Environmental:										1,900	
12. Real Property Maintenance Backlog This Installation										39,659	

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1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
VANCE AIR FORCE BASE, OKLAHOMA			FIRE TRAINING FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.57.56	179-511	XTLF993304	1,823		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
FIRE TRAINING FACILITY		LS			1,350
SUPPORTING FACILITIES					288
UTILITIES		LS			(80)
PAVEMENTS		LS			(68)
SITE IMPROVEMENTS		LS			(140)
SUBTOTAL					1,638
CONTINGENCY (5%)					82
TOTAL CONTRACT COST					1,720
SUPERVISION, INSPECTION AND OVERHEAD (6%)					103
TOTAL REQUEST					1,823
TOTAL REQUEST (ROUNDED)					1,823
10. Description of Proposed Construction: Construct a fire training facility to include: a lined and environmentally acceptable fire training pit, aircraft mockup, tank for propane gas, pumps, piping, and storage system for fuel and water, lighting, fencing, roads, and necessary support.					
11. REQUIREMENT: As required.					
PROJECT: Construct a fire training facility. (Current Mission)					
REQUIREMENT: This is a Level I Environmental Compliance Requirement. A live fire training facility which meets Clean Water Act, Clean Air Act and Resource Conservation and Recovery Act requirements is required to simulate large scale aircraft fires for fire training in accordance with Air Force policy and instructions. Acceptable fire training facilities include a double lined impermeable fire pit with leak detection system under the burn area, and a water conservation system to prevent contamination of land and ground water. Live fire training is an Air Force and Federal Aviation Administration (FAA) training requirement for fire fighters to maintain a high level of proficiency.					
CURRENT SITUATION: The existing facility does not meet the Clean Water Act (40 CFR 122) requirements and has been closed since May 1993; thus, live fire training cannot currently be conducted. Minimal training is conducted using a mock-up structure with no fire or heat capability. This training does not comply with Air Force requirements. There are no environmentally approved live fire training facilities in the local area. The existing site is currently designated as an Installation Restoration Program site and is undergoing remedial investigation funded by the Defense Environmental Restoration Account.					
IMPACT IF NOT PROVIDED: Fire fighters will not be able to meet Air Force					

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION VANCE AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE FIRE TRAINING FACILITY	5. PROJECT NUMBER XTLF993304	
<p>and FAA quarterly training requirements for remaining proficient in aircraft crash fire fighting and rescue techniques. The safety of both the fire fighters and aircraft accident victims will continue to be compromised by lack of proper training. Traveling to other installations to conduct the fire training exercises is not feasible for the fire fighters because of cost and the level of manning required to remain at the installation to support the flying/training mission.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". BASE CIVIL ENGINEER: Maj Richard Thomas (580) 213-7596</p> <p>173</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
VANCE AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE		5. PROJECT NUMBER
FIRE TRAINING FACILITY		XTLF993304
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 FEB 22
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1998		35%
(d) Date 35% Designed.		93 SEP 23
(e) Date Design Complete		98 SEP 01
(2) Basis:		
(a) Standard or Definitive Design -		YES
(b) Where Design Was Most Recently Used -		RANDOLPH
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		36
(b) All Other Design Costs		36
(c) Total		72
(d) Contract		54
(e) In-house		18
(4) Construction Start		99 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT										2. DATE	
AIR FORCE										FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)	
3. INSTALLATION AND LOCATION						4. COMMAND			5. AREA CONST		
CHARLESTON AIR FORCE BASE, SOUTH CAROLINA						AIR MOBILITY COMMAND			COST INDEX 0.88		
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			TOTAL
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 97		505	3131	984				38	101	10	4,769
b. End FY 2003		491	3139	937				38	101	10	4,716
7. INVENTORY DATA (\$000)											
a. Total Acreage: (3,733)											
b. Inventory Total As Of: (30 SEP 97) 171,127											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 24,330											
e. Authorization Included In Following Program: (FY 2000) 0											
f. Planned In Next Three Program Years: 28,500											
g. Remaining Deficiency: 89,400											
h. Grand Total: 313,357											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY				SCOPE		COST		DESIGN STATUS			
CODE		PROJECT TITLE					(\$000)		START		CMPL
141-753	C-17 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC			3,800	SM	7,639	APR 97	JUN 98			
141-753	C-17 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC			3,300	SM	6,769	MAR 97	JUN 98			
141-753	C-17 LIFE SUPPORT FACILITY			2,400	SM	4,701	APR 97	JUL 98			
722-351	DINING FACILITY			1,400	SM	5,221	MAY 97	JUL 98			
TOTAL:						24,330					
9a. Future Projects: Included in the Following Program (FY 2000) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
211-159	C-17 CORROSION CONTROL FACILITY			4,366	SM	21,000					
730-142	ADD/ALTER BASE FIRE STATION			2,790	SM	4,000					
851-147	UPGRADE HILL BOULEVARD PHASE 3				LS	3,500					
10. Mission or Major Functions: An airlift wing with four C-141/C-17 squadrons; an Air Force Reserve C-141/C-17 associate airlift wing; an Air National Guard air defense detachment with F-16 aircraft; a combat camera squadron.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:										0	
b. Water pollution:										0	
c. Occupational safety and health:										0	
d. Other Environmental:										16,000	
12. Real Property Maintenance Backlog This Installation										49,887	

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1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA			4. PROJECT TITLE DINING FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
4.18.96	722-351	DKFX963061	5,221		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DINING FACILITY		SM	1,400	1,860	2,604
SUPPORTING FACILITIES					2,086
UTILITIES		LS			(490)
PAVEMENTS		LS			(495)
SITE IMPROVEMENTS		LS			(205)
DEMOLITION/ASBESTOS REMOVAL/DISPOSAL		M2	1,381	348	(481)
COMMUNICATION/FIRE DETECTION		LS			(415)
SUBTOTAL					4,690
CONTINGENCY (5%)					235
TOTAL CONTRACT COST					4,925
SUPERVISION, INSPECTION AND OVERHEAD (6%)					296
TOTAL REQUEST					5,221
TOTAL REQUEST (ROUNDED)					5,221
10. Description of Proposed Construction: Concrete footings and floor slab, masonry walls with brick veneer exterior, steel framing with standing seam metal roof. Includes fire detection/alarm and communications systems, sidewalks, landscaping, facility demolition, asbestos and lead-based paint abatement, and necessary support. Air Conditioning: 105 KW.					
11. REQUIREMENT: 1,400 SM ADEQUATE: 0 SUBSTANDARD: 1,381 SM PROJECT: Construct dining facility. (Current Mission) REQUIREMENT: Air Force dining facilities are required to attract and retain competent, professional enlisted personnel. Space is required for food preparation, dishwashing equipment, dining area, properly designed serving lines, and storage of perishable and non-perishable food items. A modern dining facility is essential for maintaining an effective, all-volunteer Air Force. CURRENT SITUATION: Dining hall operations are currently accomplished in a facility constructed in the mid-1950s. This facility has deteriorated to the point that it cannot be economically upgraded to provide an adequate dining facility to meet the current dining facility design standards. Existing serving lines are not configured to streamline patron flow through the serving areas. Dining area is too small to support the enlisted population. The dormitory area is no longer in close proximity to the dining facility. Over the past several years, a new dormitory area has developed through the revitalization and construction of new dorms. This area is over one mile distance from the existing dining facility and is a hardship for those personnel without vehicles. The existing dining facility (1,381 SM) will be demolished upon completion of this project.					

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE DINING FACILITY	5. PROJECT NUMBER DKFX963061	
<p>IMPACT IF NOT PROVIDED: Continued use of the substandard dining facility will result in decreased mission effectiveness for services staff as well as decreased quality of life for enlisted personnel.</p> <p>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 status quo, alteration, and new construction. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project. BASE CIVIL ENGINEER:LT COL COX, (803) 963-4956.</p> <p>177</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
CHARLESTON AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE	5. PROJECT NUMBER	
DINING FACILITY	DKFX963061	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		97 MAY 12
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1998		35%
(d) Date 35% Designed.		97 NOV 07
(e) Date Design Complete		98 JUL 31
(2) Basis:		
(a) Standard or Definitive Design -		YES
(b) Where Design Was Most Recently Used -		PATRICK
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		313
(b) All Other Design Costs		157
(c) Total		470
(d) Contract		352
(e) In-house		118
(4) Construction Start		99 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA		4. PROJECT TITLE C-17 LIFE SUPPORT FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
4.11.30	141-753	DKFX993007	4,701	

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
C-17 LIFE SUPPORT FACILITY	SM	2,400	1,300	3,120
SUPPORTING FACILITIES				1,104
UTILITIES	LS			(435)
PAVEMENTS	LS			(285)
SITE IMPROVEMENTS	LS			(103)
DEMOLITION/ASBESTOS REMOVAL/DISPOSAL	SM	1,650	170	(281)
SUBTOTAL				4,224
CONTINGENCY (5%)				211
TOTAL CONTRACT COST				4,435
SUPERVISION, INSPECTION AND OVERHEAD (6%)				266
TOTAL REQUEST				4,701
TOTAL REQUEST (ROUNDED)				4,701

10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, brick veneer exterior, standing seam sloped metal roof, and fire protection/suppression system. Includes loading dock, pavements, sidewalks, site improvements, demolition, and necessary support.
Air Conditioning: 40 KW.

11. REQUIREMENT: 2,400 SM ADEQUATE: 0 SUBSTANDARD: 1,650 SM
PROJECT: C-17 life support facility. (New Mission).
REQUIREMENT: An adequately sized and properly configured facility is required to house life support equipment for C-17 flying squadrons. The first C-17 arrived on station in 1993. Space is required for life support staging and storage, helmet/oxygen mask repair, mock-up decontamination/survival training room, chemical gear issue and storage, explosive issue and storage, oxygen bottle maintenance area, flightline inspection, and administrative management.
CURRENT SITUATION: The life support function currently operates out of three substandard and undersized facilities located up to one mile apart. They are located in the dormitory campus area and not near the flightline. This separation creates fragmented lines of communications and authority. No other facilities exist on-base that can be altered to support life support operations. One substandard facility totaling 1,638 square meters will be demolished as part of this project, the other two will be reused for other functions.
IMPACT IF NOT PROVIDED: Life support personnel will remain in undersized, poorly configured, scattered facilities, and will never develop the cohesiveness necessary to become an efficient and effective operational organization. Successful C-17 beddown will be impaired.

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
CHARLESTON AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE	5. PROJECT NUMBER	
C-17 LIFE SUPPORT FACILITY	DKFX993007	
<p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, and new construction) was done. It indicates that new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: LTC COX, (803) 963-4956.</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
CHARLESTON AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE		5. PROJECT NUMBER
C-17 LIFE SUPPORT FACILITY		DKFX993007
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		97 APR 01
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1998		35%
(d) Date 35% Designed.		97 NOV 14
(e) Date Design Complete		98 JUL 31
(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): (\$000)		
(a) Production of Plans and Specifications		282
(b) All Other Design Costs		141
(c) Total		423
(d) Contract		317
(e) In-house		106
(4) Construction Start		99 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA		4. PROJECT TITLE C-17 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC			
5. PROGRAM ELEMENT 4.11.30	6. CATEGORY CODE 141-753	7. PROJECT NUMBER DKFX983004	8. PROJECT COST(\$000) 6,769		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
C-17 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC		SM	3,300	1,300	4,290
SUPPORTING FACILITIES					1,792
UTILITIES		LS			(585)
PAVEMENTS		LS			(335)
SITE IMPROVEMENTS		LS			(191)
DEMOLITION/ASBESTOS REMOVAL/DISPOSAL		SM	3,400	170	(578)
ELEVATOR		EA	1	103,000	(103)
SUBTOTAL					6,082
CONTINGENCY (5%)					304
TOTAL CONTRACT COST					6,386
SUPERVISION, INSPECTION AND OVERHEAD (6%)					383
TOTAL REQUEST					6,769
TOTAL REQUEST (ROUNDED)					6,769
10. Description of Proposed Construction: Two-story facility with concrete foundation, masonry walls with exterior brick veneer, sloped roof system, fire protection system, utilities, elevator, demolition, asbestos removal/disposal, site improvements/parking, and necessary support. Air Conditioning: 70 KW.					
11. REQUIREMENT: As required. <u>PROJECT:</u> Construct a C-17 Squadron Operations/Aircraft Maintenance Unit (Sq Ops/AMU) facility. (New Mission) <u>REQUIREMENT:</u> It consolidates Air Mobility operational squadrons by combining aircraft operators with flightline maintainers. This is the fourth of four Sq Ops/AMU facilities required to house the C-17/C-141 squadrons. The first C-17s arrived in 1993. Squadrons will operate a combination of 48 C-17/C-141s until all 48 C-17s arrive by FY03. The consolidation relocates flyers and maintainers out of undersized, dispersed, and interim facilities into a functional and adequately sized structure. Space is required for Ops/AMU management support, briefing/debriefing, flight planning, training and testing, flying/ground safety, tool rooms, bench stock, standardization/evaluation, and the Air Force Reserve sortie generation squadron. Consolidation is consistent with the Air Mobility Command (AMC) initiative to bring the Sq Ops/AMU facilities up to minimum Air Force standards. These efficiencies are essential to maintain mission tasking rates in AMC. <u>CURRENT SITUATION:</u> The existing squadron operations and aircraft maintenance facilities are undersized and not configured to support the larger unified squadrons. The squadron operations and maintenance personnel operate out of three small and physically separated buildings.					

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE C-17 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	5. PROJECT NUMBER DKFX983004	
<p>The physical separation creates fragmented lines of communications and authority. They are overcrowded and inadequately configured. Other inefficiencies include lack of space for planning, briefing, administration, storage and issue of parts, flying clothing and equipment. Upon completion of this project, one substandard facility totaling 3,400 square meters will be demolished. The remaining two existing facilities will be reused for more appropriate functions.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Operations, maintenance, and support personnel will remain in undersized, physically separated, and interim facilities and will never develop the cohesiveness necessary to become an efficient and effective operational organization. Full implementation of the more effective Objective Wing squadron and adequate beddown of the C-17s will be degraded. The physical separation will continue to hamper the lines of authority and communications throughout the squadron. Essential squadron operations and logistic functions will continue to require additional work-arounds that will degrade mission performance.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, addition/alteration, and new construction) was done. It indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: LTC COX, (803) 963-4956.</p> <p>183</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE	3. INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA	
4. PROJECT TITLE	5. PROJECT NUMBER	
C-17 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	DKFX983004	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	97 MAR 01	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1998	35%	
(d) Date 35% Designed.	97 DEC 19	
(e) Date Design Complete	98 JUN 26	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	CHARLEST	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	204	
(b) All Other Design Costs	101	
(c) Total	305	
(d) Contract	213	
(e) In-house	92	
(4) Construction Start	99 JAN	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION		4. PROJECT TITLE			
CHARLESTON AIR FORCE BASE, SOUTH CAROLINA		C-17 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
4.11.30	141-753	DKFX973007	7,639		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
C-17 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC		SM	3,800	1,250	4,750
SUPPORTING FACILITIES					2,114
UTILITIES		LS			(675)
PAVEMENTS		LS			(485)
SITE IMPROVEMENTS		LS			(290)
DEMOLITION/ASBESTOS REMOVAL/DISPOSAL		SM	3,300	170	(561)
ELEVATOR		EA	1	103,000	(103)
SUBTOTAL					6,864
CONTINGENCY (5%)					343
TOTAL CONTRACT COST					7,207
SUPERVISION, INSPECTION AND OVERHEAD (6%)					432
TOTAL REQUEST					7,639
TOTAL REQUEST (ROUNDED)					7,639
10. Description of Proposed Construction: Two-story facility with concrete foundation, masonry walls with exterior brick veneer, sloped roof system, fire protection system, utilities, elevator, demolition, asbestos removal/disposal, site improvements/parking, and necessary support. Air Conditioning: 80 KW.					
11. REQUIREMENT: As required. PROJECT: Construct a C-17 Squadron Operations/Aircraft Maintenance Unit (Sq Ops/AMU) facility. (New Mission) REQUIREMENT: It consolidates Air Mobility operational squadrons by combining aircraft operators with flightline maintainers. This is the third of four Sq Ops/AMU facilities required to house the C-17/C-141 squadrons. The first C-17s arrived in 1993. Squadrons will operate a combination of 48 C-17/C-141s until all 48 C-17s arrive by FY03. The consolidation relocates flyers and maintainers out of undersized, dispersed, and interim facilities into a functional and adequately sized structure. Space is required for management support, briefing/debriefing, flight planning, training and testing, flying/ground safety, tool rooms, bench stock, standardization/evaluation, and the newly formed aircraft generation squadron, and Air Force Reserve sortie generation squadron. Consolidation is consistent with the Air Mobility Command (AMC) initiative to bring the Sq Ops/AMU facilities up to minimum Air Force standards. These efficiencies are essential to maintain mission tasking rates in AMC. CURRENT SITUATION: The existing squadron operations and aircraft maintenance facilities are undersized and not configured to support the larger unified squadrons. The squadron operations and maintenance personnel operate out of three small and physically separated buildings.					

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
CHARLESTON AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE	5. PROJECT NUMBER	
C-17 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	DKFX973007	
<p>The physical separation creates fragmented lines of communications/authority. They are overcrowded and inadequately configured. Other inefficiencies include lack of space for planning, briefing, administration, storage and issue of parts, flying clothing, and equipment. Upon completion of this project, two substandard facilities totaling 3,300 square meters will be demolished. The third existing facility will be reused for more appropriate function.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Operations, maintenance, and support personnel will remain in undersized, physically separated, and interim facilities and will never develop the cohesiveness necessary to become an efficient and effective operational organization. Full implementation of the more effective Objective Wing squadron and adequate beddown of the C-17s will be degraded. The physical separation will continue to hamper the lines of authority and communications throughout the squadron. Essential squadron operations and logistic functions will continue to require additional work-arounds that will degrade mission performance.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, addition/alteration, and new construction) was done. It indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: LTC COX, (803) 963-4956.</p>		

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE C-17 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	5. PROJECT NUMBER DKFX973007	
12. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started 97 APR 01 (b) Parametric Cost Estimates used to develop costs N (c) Percent Complete as of Jan 1998 35% (d) Date 35% Designed. 97 DEC 19 (e) Date Design Complete 98 JUN 26 (2) Basis: (a) Standard or Definitive Design - YES (b) Where Design Was Most Recently Used - CHARLEST (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) (a) Production of Plans and Specifications 230 (b) All Other Design Costs 114 (c) Total 344 (d) Contract 241 (e) In-house 103 (4) Construction Start 99 JAN b. Equipment associated with this project will be provided from other appropriations: N/A		
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1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)							2. DATE		
AIR FORCE											
3. INSTALLATION AND LOCATION					4. COMMAND			5. AREA CONST COST INDEX			
LACKLAND AIR FORCE BASE, TEXAS					AIR EDUCATION AND TRAINING COMMAND			0.87			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 97		1811	4651	2566	59	4987		62	1756	25	15,917
b. End FY 2003		1817	4678	2556	78	5368		62	1756	25	16,340
7. INVENTORY DATA (\$000)											
a. Total Acreage: (2,753)											
b. Inventory Total As Of: (30 SEP 97) 564,253											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 14,930											
e. Authorization Included In Following Program: (FY 2000) 19,300											
f. Planned In Next Three Program Years: 13,300											
g. Remaining Deficiency: 37,600											
h. Grand Total: 649,383											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START	CMPLE		
141-456	OPERATIONS FACILITY			4,650 SM		8,130		JUL 97	SEP 98		
721-312	DORMITORY			96 PN		6,800		JUN 97	SEP 99		
TOTAL:						14,930					
9a. Future Projects: Included in the Following Program (FY 2000)											
610-282	SECURITY FORCES CENTER			4,300 SM		14,000					
721-312	DORMITORY			96 PN		5,300					
TOTAL:						19,300					
9b. Future Projects: Typical Planned Next Three Years:											
141-456	OPERATIONS SUPPORT FACILITY			2,500 SM		2,900					
721-312	REPLACE STUDENT DORMITORY			200 PN		7,000					
740-884	CHILD DEVELOPMENT CENTER			2,850 SM		3,400					
10. Mission or Major Functions: A training wing which includes Basic Military Training School, Air Force Security Forces Center, and security forces, cryptographic maintenance, recruiting, and Air Force and Navy food service courses; Defense Language Institute, English Language Center; Department of Defense Military Working Dog Training Agency; Inter-American Air Forces Academy, and a major Air Force medical center.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:										0	
b. Water pollution:										0	
c. Occupational safety and health:										0	
d. Other Environmental:										0	
12. Real Property Maintenance Backlog This Installation										116,817	

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
LACKLAND AIR FORCE BASE, TEXAS			OPERATIONS FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
3.10.11 NFIP	141-456	MPYJ983250	8,130		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
OPERATIONS FACILITY		SM	4,650	1,355	6,301
SUPPORTING FACILITIES					1,003
UTILITIES		LS			(536)
PAVEMENTS		LS			(185)
SITE IMPROVEMENTS		LS			(282)
SUBTOTAL					7,304
CONTINGENCY (5%)					365
TOTAL CONTRACT COST					7,669
SUPERVISION, INSPECTION AND OVERHEAD (6%)					460
TOTAL REQUEST					8,129
TOTAL REQUEST (ROUNDED)					8,130
10. Description of Proposed Construction: Reinforced concrete slab with masonry or masonry look wall construction, concrete foundations and pilings as required for soil conditions, structural steel frame and standing seam metal roof to comply with local architectural style. Air Conditioning: 442 KW.					
11. REQUIREMENT: 12,976 SM ADEQUATE: 8,326 SM SUBSTANDARD: 0 PROJECT: Provides a 4,650 SM operations facility adjacent to existing bldg 313 to form an operations complex for the Medina Regional Signal Intelligence (SIGINT) Operations Center (MRSOC). (Current mission) REQUIREMENT: Construct a 4,650 SM building to correct existing space and layout deficiencies at the MRSOC. Project will colocate all functions directly related to MRSOC operations into one facility, while freeing up space at remote locations for the movement of support functions. MRSOC operations require quick and efficient access to all functions to maintain smooth mission accomplishment. The new building should also comply with Director of Central Intelligence Directive (DCIC) 1/21 for Sensitive Compartmented Information Facilities (SCIF). CURRENT SITUATION: The existing operational functions of the MRSOC are located away from each other in four separate buildings within a secure compound. Current and projected space shortages in all functional areas including operations, maintenance, support, and administration for the Air Force, Navy, Army, and Marine cryptological elements. Bldg 313 is the main operations bldg and the only one with adequate secure power. Bldgs 307, 321, and 326 consisting of 1,919 SM are currently used for operational requirements, but will be used to satisfy support function floorspace deficiencies. The multi-service MRSOC supports tactical					

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1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
LACKLAND AIR FORCE BASE, TEXAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
OPERATIONS FACILITY	MPYJ983250	
<p>intelligence as well as the National SIGINT System. The relocation of many intelligence operations previously located in foreign countries has caused unforeseen growth at the MRSOC. Use of condemned buildings at Kelly and Lackland AFBs has provided temporary relief for space shortages. The MRSOC, currently authorized 1,609 personnel with 1,312 assigned is projected to increase to 1,968 assigned. With this personnel strength, functions normally conducted during the day shift will be put on three shift, 24 hours per day, operations to compensate for space deficiencies. Furthermore, training, logistics, storage, and support functions have inadequate work space for sustained operations. Space problems will be compounded as more personnel arrive, resulting in significant mission changes and relocation to another regional operations center.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The MRSOC will not be able to accomplish Air Force and nationally assigned taskings. Crowded conditions at the MRSOC will become untenable when remotely located support functions are moved to the compound from buildings scheduled for demolition. Crowded operations will have a negative impact on both mission effectiveness and morale. Several of the projected missions will have to be discontinued or relocated to another site, limiting the efficiency and effectiveness of operations.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Support functions have been assessed using Air Force Instruction 32-1024 "Standard Facility Requirements". A preliminary analysis of reasonable options for project accomplishment (status quo, renovation, removal/upgrade, new construction, leasing) was done. Only one option will meet operational requirements. Because of this, an economical analysis was not performed. certificate of exception has been prepared. BASE CIVIL ENGINEER: Lt Col Larry W. Brittenham (210)671-2977.</p>		

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE				
3. INSTALLATION AND LOCATION LACKLAND AIR FORCE BASE, TEXAS						
4. PROJECT TITLE OPERATIONS FACILITY	5. PROJECT NUMBER MPYJ983250					
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by one step turn key procedures</p> <p>(2) Basis:</p> <table data-bbox="363 611 1321 674"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Design Allowance \$325K</p> <p>(4) Construction Start 99 JAN</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used -	N/A
(a) Standard or Definitive Design -	NO					
(b) Where Design Was Most Recently Used -	N/A					

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
LACKLAND AIR FORCE BASE, TEXAS			DORMITORY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.57.96	721-312	MPLS003291	6,800		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY		SM	3,200	1,227	3,926
SUPPORTING FACILITIES					2,183
UTILITIES/CENTRAL PLANT		LS			(1,200)
PAVEMENTS		LS			(483)
SITE IMPROVEMENTS		LS			(300)
EMCS/COMM		LS			(200)
SUBTOTAL					6,109
CONTINGENCY (5%)					305
TOTAL CONTRACT COST					6,414
SUPERVISION, INSPECTION AND OVERHEAD (6%)					385
TOTAL REQUEST					6,799
TOTAL REQUEST (ROUNDED)					6,800
10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, steel framing, masonry walls, and standing seam metal roof. Project includes room-bath/kitchen-room modules, day rooms, linen storage, mechanical equipment and communications room, fire protection, utilities, parking, and all supporting facilities. Project will also expand a central chiller plant. Air Conditioning: 200 KW. Grade Mix: 150 E1-E4.					
11. REQUIREMENT: 1,593 PN ADEQUATE: 710 PN SUBSTANDARD: 83 PN PROJECT: Construct a dormitory. (current mission) REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. CURRENT SITUATION: Facilities do not exist at Lackland AFB to support a current permanent party deficit of 800 personnel. These 800 personnel are forced to live off base with commuting times over 30 minutes as a result of substandard and unsuitable housing in the immediate vicinity of the base. Additionally, the cost of off-base housing and commuting make living off base too expensive for junior enlisted personnel. For many airmen, this is their first permanent duty station assignment. They have little or no experience managing a household and require support networks inherent with on-base dormitories. IMPACT IF NOT PROVIDED: Unaccompanied enlisted personnel will be forced to live off base in relatively distant and expensive quarters further					

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE	3. INSTALLATION AND LOCATION LACKLAND AIR FORCE BASE, TEXAS	
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER MPLS003291	
<p>degrading their morale, productivity, and career satisfaction. Lowered morale will contribute to retention difficulties for the Air Force.</p> <p><u>ADDITIONAL</u>: This project meets the criteria/scope specified in the new uniform barracks standard, known as "one-plus-one" established by OSD. All known alternative options were considered during the development of this project. Build new is the only option that can provide the the needed additional dormitory rooms; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.</p> <p>BASECIVIL ENGINEER: Lt Col Larry W. Brittenham, Commercial 210-671-2977, Fax, 210-671-4074, FY96 Unaccompanied Housing RPM Conducted: \$26,739K, FY97 Unaccompanied Housing RPM Conducted:\$12,154K. Future Unaccompanied Housing RPM Requirements (Estimated); FY98=\$2.59M; FY99=\$18.1M; FY00=\$9.1M; FY01=\$1.5M; FY02= \$1.5M; FY03= \$1.5M.</p>		

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1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE				
3. INSTALLATION AND LOCATION LACKLAND AIR FORCE BASE, TEXAS						
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER MPLS003291					
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by one step turn key procedures</p> <p>(2) Basis:</p> <table data-bbox="365 604 1393 674"> <tr> <td>(a) Standard or Definitive Design -</td> <td>YES</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>LACKLAND</td> </tr> </table> <p>(3) Design Allowance \$272K</p> <p>(4) Construction Start 99 JAN</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(a) Standard or Definitive Design -	YES	(b) Where Design Was Most Recently Used -	LACKLAND
(a) Standard or Definitive Design -	YES					
(b) Where Design Was Most Recently Used -	LACKLAND					

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)									2. DATE	
AIR FORCE											
3. INSTALLATION AND LOCATION					4. COMMAND				5. AREA CONST COST INDEX		
RANDOLPH AIR FORCE BASE, TEXAS					AIR EDUCATION AND TRAINING COMMAND				0.82		
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 97		1431	2521	4331	155			189	32	7	8,666
b. End FY 2003		1436	2470	4273	280			189	32	7	8,687
7. INVENTORY DATA (\$000)											
a. Total Acreage: (3,129)											
b. Inventory Total As Of: (30 SEP 97)											218,859
c. Authorization Not Yet In Inventory:											0
d. Authorization Requested In This Program:											3,166
e. Authorization Included In Following Program: (FY 2000)											0
f. Planned In Next Three Program Years:											7,950
g. Remaining Deficiency:											15,700
h. Grand Total:											245,675
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY		PROJECT TITLE				SCOPE		COST (\$000)	DESIGN STATUS		
CODE								START	CMPL		
141-453	BASE OPERATIONS FACILITY				1,050 SM		3,166	JUN 97	JUN 98		
							TOTAL:	3,166			
9a. Future Projects: Included in the Following Program (FY 2000) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
113-321	AIRFIELD RAMP, PH 1				LS		4,750				
149-962	CONTROL TOWER (WEST)				1 EA		3,200				
10. Mission or Major Functions: Headquarters Air Education and Training Command; Headquarters Nineteenth Air Force; a flying training wing with T-1, T-3, T-37, C-21, T-38, AT-38 instructor pilot training and Undergraduate Navigator Training (UNT) using T-37 and T-43 aircraft; HQ Air Force Recruiting Service; AF Center for Quality and Management Innovation, AF Personnel Center; AF Civilian Personnel Center; and Headquarters Air Force Services Agency.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:											0
b. Water pollution:											0
c. Occupational safety and health:											0
d. Other Environmental:											800
12. Real Property Maintenance Backlog This Installation											71,561

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
RANDOLPH AIR FORCE BASE, TEXAS		BASE OPERATIONS FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)	
8.57.96	141-453	TYMX983000	3,166	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
BASE OPERATIONS FACILITY	SM	1,050	1,300	1,365
SUPPORTING FACILITIES				1,480
UTILITIES	LS			(220)
SITE IMPROVEMENTS	LS			(145)
DEMOLITION	SM	1,100	465	(512)
PAVEMENTS/SPECIAL FOUNDATIONS	LS			(370)
TEMPORARY FACILITY	SM	375	621	(233)
SUBTOTAL				2,845
CONTINGENCY (5%)				142
TOTAL CONTRACT COST				2,987
SUPERVISION, INSPECTION AND OVERHEAD (6%)				179
TOTAL REQUEST				3,166
TOTAL REQUEST (ROUNDED)				3,166
10. Description of Proposed Construction: Reinforced concrete foundation, plastered masonry walls, special foundations due to poor soil conditions, and clay tile roof. Project includes base operations, air passenger terminal, temporary facilities to house functions during construction and necessary support including underground utilities. Demolish two facilities. Air Conditioning: 140 KW.				
11. REQUIREMENT: 1,050 SM ADEQUATE: 0 SUBSTANDARD: 1,100 SM PROJECT: Construct Base Operations facility. (Current Mission) REQUIREMENT: A base operations facility is required to house base flight operation functions, the base weather station, weather communications equipment, reception area, administrative support and passenger terminal. An air passenger terminal is required to expedite the flow of passenger traffic, accommodate passengers, and provide a controlled waiting area for manifested passengers in accordance with Federal Aviation Administration security requirements. CURRENT SITUATION: Randolph AFB averages 390 flights and ten passengers each day in support of Air Education and Training Command (AETC), 19th Air Force, 12th Fighter Training Wing and associated units. Existing base operations facility is constructed on expansive clay soils. Foundation shifts continue to cause structural damage. Emergency evacuation of the facility has occurred due to sudden shifts. Many windows and doors do not open or close properly and cannot be locked due to warped frames. Large chunks of plaster and bathroom tiles frequently fall from the walls. Roof leaks result in collapsed ceiling tiles, water-damaged interior finishes, and equipment damage. Heating Ventilation and Air Conditioning (HVAC) was				

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE	3. INSTALLATION AND LOCATION	
RANDOLPH AIR FORCE BASE, TEXAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
BASE OPERATIONS FACILITY	TYMX983000	
<p>damaged by flooding from water pipe failure due to a shifting foundation. Cracks in the walls, warped windows and door frames must continually be patched and repaired. The weather/communication equipment, including radar and numerous monitors used to prepare weather briefings, forecasts, and to disseminate severe weather warnings, must be protected from roof leaks to prevent equipment failures. In addition, the air passenger terminal does not have secure holding area for manifested passengers. Two buildings will be demolished totaling 1100 SM.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Structural deterioration will continue resulting in an unsafe facility. Weather equipment could fail due to roof leaks reducing weather forecast capabilities and delaying airfield operations and training sorties. Security problems of manifesting passengers in two locations will continue.</p> <p><u>ADDITIONAL:</u> The existing building is eligible for listing on the National Register of Historic Places. It was one of the original buildings constructed on Randolph AFB in 1931 and served as the Control Tower and the Base Operations. Demolition has been coordinated with the State Historic Preservation Officer. All known alternative options were considered during the development of this project. Facility cannot be repaired due to soil/foundation conditions at any cost. No other option could meet the mission requirements. Therefore, an economic analysis was not performed. A certificate of exception has been prepared. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Handbook 32-1084 Facility Requirements". BASE CIVIL ENGINEER: Lt Col Neil Kanno, (210) 652-2401</p>		

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1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
RANDOLPH AIR FORCE BASE, TEXAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
BASE OPERATIONS FACILITY	TYMX983000	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		97 JUN 09
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1998		35%
(d) Date 35% Designed.		97 DEC 08
(e) Date Design Complete		98 JUN 30
(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): (\$000)		
(a) Production of Plans and Specifications		190
(b) All Other Design Costs		95
(c) Total		285
(d) Contract		214
(e) In-house		71
(4) Construction Start		99 FEB
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)										2. DATE	
AIR FORCE												
3. INSTALLATION AND LOCATION						4. COMMAND				5. AREA CONST		
FAIRCHILD AIR FORCE BASE, WASHINGTON						AIR MOBILITY COMMAND				COST INDEX 1.05		
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED				
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL	
a. As of 30 SEP 97		509	3267	718				239	398	100	5,231	
b. End FY 2003		430	3175	668				239	398	100	5,010	
7. INVENTORY DATA (\$000)												
a. Total Acreage: (5,823)												
b. Inventory Total As Of: (30 SEP 97) 366,040												
c. Authorization Not Yet In Inventory: 0												
d. Authorization Requested In This Program: 7,620												
e. Authorization Included In Following Program: (FY 2000) 0												
f. Planned In Next Three Program Years: 14,200												
g. Remaining Deficiency: 41,950												
h. Grand Total: 431,810												
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999												
CATEGORY												
<u>CODE</u>		<u>PROJECT TITLE</u>				<u>SCOPE</u>		<u>COST (\$000)</u>		<u>DESIGN STATUS</u>		
										<u>START</u> <u>CMPL</u>		
141-753		KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC				3,800 SM		7,620		MAR 97 MAY 98		
TOTAL:								7,620				
9a. Future Projects: Included in the Following Program (FY 2000) NONE												
9b. Future Projects: Typical Planned Next Three Years:												
171-617		SURVIVAL TRAINING ACADEMIC SUPPORT, PH 2				1,208 SM		3,900				
211-173		UPGRADE FUEL CELL NOSEDOCK				2,559 SM		2,500				
211-173		CONVERT NOSEDOCK TO WASHRACK				3,005 SM		3,700				
442-758		LOGISTICS COMPLEX				1,700 SM		4,100				
10. Mission or Major Functions: An air refueling wing with five KC-135 squadrons; an Air National Guard air refueling wing with a KC-135 squadron; and the Air Education and Training Command training group that conducts survival training and flies UH-1 aircraft.												
11. Outstanding pollution and safety (OSHA) deficiencies:												
a. Air pollution:										0		
b. Water pollution:										0		
c. Occupational safety and health:										0		
d. Other Environmental:										0		
12. Real Property Maintenance Backlog This Installation										103,607		

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
AIR FORCE						
3. INSTALLATION AND LOCATION			4. PROJECT TITLE			
FAIRCHILD AIR FORCE BASE, WASHINGTON			KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)			
4.12.18	141-753	GJKZ000012	7,620			
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC		SM	3,800	1,500	5,700	
SUPPORTING FACILITIES					1,147	
UTILITIES		LS			(385)	
PAVEMENTS		LS			(245)	
SITE IMPROVEMENTS		LS			(121)	
ELEVATOR		EA	1	103,000	(103)	
DEMOLITION/ASBESTOS REMOVAL/DISPOSAL		SM	2,250	130	(293)	
SUBTOTAL					6,847	
CONTINGENCY (5%)					342	
TOTAL CONTRACT COST					7,189	
SUPERVISION, INSPECTION AND OVERHEAD (6%)					431	
TOTAL REQUEST					7,620	
TOTAL REQUEST (ROUNDED)					7,620	
10. Description of Proposed Construction: Two-story facility with concrete foundation, masonry walls, structural steel frame, sloping roof system, fire protection system, elevator, parking, sidewalks, and all necessary support. Includes demolition of two facilities totaling 2,250 square meters. Air Conditioning: 85 KW.						
11. REQUIREMENT: As required. PROJECT: Construct a KC-135 Squadron Operations/Aircraft Maintenance Unit (Sq Ops/AMU) Facility. (New Mission) REQUIREMENT: This project is required to consolidate Air Mobility operational squadrons by collocating aircraft operators with aircraft maintainers. The consolidation relocates flyers and maintainers out of undersized and dispersed facilities into a functional and adequately sized structure to support 59 KC-135 aircraft assigned to Fairchild AFB. This is the fourth of four Squad Ops/AMU facilities required to house the KC-135 squadrons. Space is required for Ops/AMU management support, briefing/debriefing, flight planning, training and testing, flying/ground safety, tool rooms, bench stock, mobility office, technical order library, life support, standardization/evaluation, locker rooms, and scheduling. In addition, an elevator is required to comply with the Americans With Disabilities Act of 1990. This consolidation is consistent with the Air Mobility Command initiative to bring the Sq Ops/AMU facilities up to minimum Air Force standards. These efficiencies are essential to maintain mission tasking rates in the Air Mobility Command. CURRENT SITUATION: Squadron operations and the aircraft maintenance units are dispersed among five facilities. This physical separation creates						

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION FAIRCHILD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	5. PROJECT NUMBER GJKZ000012	
<p>fragmented lines of communications and authority. Aircrews and maintenance personnel must spend many hours away from their duty location in an effort to obtain parts, organizational and mobility equipment, and required training. The existing maintenance facilities were originally constructed in the mid 1950s. These facilities are inadequately sized and not properly configured to house the unified squadrons supporting the KC-135s. Two substandard facilities totaling 2,250 square meters will be demolished as part of this project.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Operations, maintenance, and support personnel will remain in severely undersized and physically separated buildings and will never develop the cohesiveness necessary to become an efficient and effective operational squadron. Full implementation of the more effective Objective Wing squadron and adequate beddown of the KC-135 aircraft will be degraded. Essential squadron operations and logistic functions will continue to require additional work-arounds that will degrade mission performance.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of the Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, addition/alteration, and new construction) was done. It indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: LTC PATTERSON, (509) 247-2291.</p>		

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1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE																																																
3. INSTALLATION AND LOCATION FAIRCHILD AIR FORCE BASE, WASHINGTON																																																		
4. PROJECT TITLE KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	5. PROJECT NUMBER GJKZ000012																																																	
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <table border="0"> <tr> <td colspan="3">(1) Status:</td> </tr> <tr> <td>(a) Date Design Started</td> <td></td> <td>97 MAR 01</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td></td> <td>N</td> </tr> <tr> <td>(c) Percent Complete as of Jan 1998</td> <td></td> <td>35%</td> </tr> <tr> <td>(d) Date 35% Designed.</td> <td></td> <td>97 DEC 12</td> </tr> <tr> <td>(e) Date Design Complete</td> <td></td> <td>98 MAY 29</td> </tr> <tr> <td colspan="3">(2) Basis:</td> </tr> <tr> <td>(a) Standard or Definitive Design -</td> <td></td> <td>YES</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td></td> <td>FAIRCHIL</td> </tr> <tr> <td colspan="3">(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</td> </tr> <tr> <td>(a) Production of Plans and Specifications</td> <td></td> <td>230</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td></td> <td>112</td> </tr> <tr> <td>(c) Total</td> <td></td> <td>342</td> </tr> <tr> <td>(d) Contract</td> <td></td> <td>240</td> </tr> <tr> <td>(e) In-house</td> <td></td> <td>102</td> </tr> <tr> <td>(4) Construction Start</td> <td></td> <td>99 JAN</td> </tr> </table> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(1) Status:			(a) Date Design Started		97 MAR 01	(b) Parametric Cost Estimates used to develop costs		N	(c) Percent Complete as of Jan 1998		35%	(d) Date 35% Designed.		97 DEC 12	(e) Date Design Complete		98 MAY 29	(2) Basis:			(a) Standard or Definitive Design -		YES	(b) Where Design Was Most Recently Used -		FAIRCHIL	(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)			(a) Production of Plans and Specifications		230	(b) All Other Design Costs		112	(c) Total		342	(d) Contract		240	(e) In-house		102	(4) Construction Start		99 JAN
(1) Status:																																																		
(a) Date Design Started		97 MAR 01																																																
(b) Parametric Cost Estimates used to develop costs		N																																																
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(4) Construction Start		99 JAN																																																

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND		5. AREA CONST COST INDEX					
MCCHORD AIR FORCE BASE, WASHINGTON				AIR MOBILITY COMMAND		1.10					
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 97		453	3127	1033				3	5	166	4,787
b. End FY 2003		431	3073	984				3	5	166	4,662
7. INVENTORY DATA (\$000)											
a. Total Acreage: (4,616)											
b. Inventory Total As Of: (30 SEP 97)										233,667	
c. Authorization Not Yet In Inventory:										0	
d. Authorization Requested In This Program:										51,847	
e. Authorization Included In Following Program: (FY 2000)										0	
f. Planned In Next Three Program Years:										16,800	
g. Remaining Deficiencies:										67,400	
h. Grand Total:										367,274	
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START		CMPL	
113-321	C-17 RAMP/HYDRANT FUELS SYSTEM				LS	18,025		MAR 97		JUL 98	
116-116	C-17 SHORTFIELD ASSAULT STRIP		15,000		SM	2,321		FEB 97		MAR 98	
141-753	C-17 LIFE SUPPORT EQUIPMENT FACILITY		2,400		SM	4,413		APR 97		JUN 98	
141-753	C-17 SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FAC		3,300		SM	6,524		MAR 97		MAY 98	
171-212	C-17 ADD TO AND ALTER SIMULATOR FACILITY		800		SM	1,823		MAY 97		JAN 98	
211-111	C-17 ALTER MAINTENANCE HANGARS		13,500		SM	6,427		MAR 97		JUN 98	
211-152	C-17 ALTER COMPOSITE SHOP		850		SM	1,630		MAY 97		MAR 98	
211-152	C-17 ADD TO AND ALTER AIRCRAFT MAINTENANCE SHOP		1,780		SM	2,321		MAY 97		FEB 98	
218-712	C-17 ADD/ALTER AEROSPACE GROUND MAINTENANCE FACILITY		1,925		SM	2,110		MAY 97		MAR 98	
442-758	C-17 FLIGHTLINE SUPPORT FACILITY		3,500		SM	4,029		APR 97		JUN 98	
851-147	C-17 REPAIR BASE ROADS		118,000		SM	2,224		MAY 97		MAR 98	
						TOTAL:		51,847			
9a. Future Projects: Included in the Following Program (FY 2000) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
141-753	C-17 SQUADRON OPERATIONS AIRCRAFT MAINTENANCE UNIT		3,440		SM	8,100					
141-786	CENTRAL DEPLOYMENT CENTER		3,440		SM	6,800					
214-425	VEHICLE CORROSION CONTROL FACILITY		691		SM	1,900					
10. Mission or Major Functions: An airlift wing with three C-141 squadrons; an Air Force Reserve C-141 associate airlift wing; and the Western Air Defense Sector, which will be assigned to the Air National Guard.											

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1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)									2. DATE
AIR FORCE										
3. INSTALLATION AND LOCATION	4. COMMAND			5. AREA CONST			COST INDEX			
MCCHORD AIR FORCE BASE, WASHINGTON	AIR MOBILITY			COMMAND			1.10			
6. PERSONNEL	PERMANENT			STUDENTS			SUPPORTED			
STRENGTH	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of										
b. End FY										
7. INVENTORY DATA (\$000)										
a. Total Acreage:										
b. Inventory Total As Of:										
c. Authorization Not Yet In Inventory:										
d. Authorization Requested In This Program:										
e. Authorization Included In Following Program:										
f. Planned In Next Three Program Years:										
g. Remaining Deficiency:										
h. Grand Total:										
11. Outstanding pollution and safety (OSHA) deficiencies:										
a. Air pollution:									0	
b. Water pollution:									0	
c. Occupational safety and health:									0	
d. Other Environmental:									0	
12. Real Property Maintenance Backlog This Installation									58,534	

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MCCHORD AIR FORCE BASE, WASHINGTON			C-17 ADD TO AND ALTER AIRCRAFT MAINTENANCE SHOP		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
4.11.30	211-152	PQWY993059	2,321		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
C-17 ADD TO AND ALTER AIRCRAFT MAINTENANCE SHOP		SM	1,780		1,647
ADDITION		SM	230	1,500	(345)
ALTERATION		SM	1,550	840	(1,302)
SUPPORTING FACILITIES					344
UTILITIES		LS			(195)
SITE IMPROVEMENTS		LS			(40)
LEAD BASE PAINT/ASBESTOS REMOVAL		LS			(79)
SUBTOTAL					1,991
CONTINGENCY (10%)					199
TOTAL CONTRACT COST					2,190
SUPERVISION, INSPECTION AND OVERHEAD (6%)					131
TOTAL REQUEST					2,321
TOTAL REQUEST (ROUNDED)					2,321
10. Description of Proposed Construction: Reinforced concrete foundations and floor slabs, masonry walls, and sloped, metal roof. Electrical, mechanical, fire detection/suppression systems, and prewiring. Includes utilities, communications support, site improvements, parking, access road, landscaping, and necessary support. Air Conditioning: 210 KW.					
11. REQUIREMENT: 1,780 SM ADEQUATE: 0 SUBSTANDARD: 1,550 SM PROJECT: C-17 add to and alter aircraft maintenance shop. (New Mission) REQUIREMENT: A properly sized and configured aircraft maintenance shop is required for base level inspection, maintenance, repair, and servicing of C-17 aircraft electrical and environmental (E&E) systems. The first C-17s will arrive on station in August 1999. Space is required for work benches, bench stock storage area, battery servicing areas for both Ni-Cad and lead acid batteries, generator and constant speed drive test stand area, life raft CO2 bottle servicing area, oxygen equipment, repair clean room, nitrogen cart repair area, tool crib, maintenance management space, and personnel locker space. CURRENT SITUATION: The E&E element currently shares a facility with the base avionics maintenance operations. This facility was constructed over 30 years ago to support avionics repair mission requirements of that era. The building is inappropriately configured and sized to support modern, combined E&E and avionics repair requirements to support the C-17 beddown. Building electrical, mechanical, and plumbing systems are undersized and deteriorated and in need of replacement. The space occupied by the E&E functions is configured for C-141 aircraft support and is 230 SM less than that required to support the C-17 E&E maintenance requirements. The					

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1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MCCHORD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE C-17 ADD TO AND ALTER AIRCRAFT MAINTENANCE SHOP	5. PROJECT NUMBER PQWY993059	
<p>existing battery shops are poorly configured and improperly sized/ventilated to support the type and numbers of batteries required. There is no space available for comfort pallet circuitry repair. Pallet repair must be done off-site or the existing nitrogen cart maintenance area must be evacuated each time a comfort pallet is brought into the shop for repairs. Also, there is not enough space to repair, service, and store CO2 bottles for life rafts. There is no other appropriate shop space on base available to support this requirement.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The capabilities of the E&E shop to support the electrical and environmental systems of the C-17 aircraft will be significantly degraded. This could result in a reduction of the operational readiness of the C-17 fleet at this base.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, addition/alteration, and new construction) was done. It indicates alteration/addition is the only economical option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: LTC GREENOUGH, (253) 984-5209. Building Number 1119.</p>		

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE																																																
3. INSTALLATION AND LOCATION MCCHORD AIR FORCE BASE, WASHINGTON																																																		
4. PROJECT TITLE C-17 ADD TO AND ALTER AIRCRAFT MAINTENANCE SHOP	5. PROJECT NUMBER PQWY993059																																																	
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <table border="0"> <tr> <td colspan="3">(1) Status:</td> </tr> <tr> <td>(a) Date Design Started</td> <td></td> <td>97 MAY 01</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td></td> <td>N</td> </tr> <tr> <td>(c) Percent Complete as of Jan 1998</td> <td></td> <td>90%</td> </tr> <tr> <td>(d) Date 35% Designed.</td> <td></td> <td>97 JUL 21</td> </tr> <tr> <td>(e) Date Design Complete</td> <td></td> <td>98 FEB 27</td> </tr> <tr> <td colspan="3">(2) Basis:</td> </tr> <tr> <td>(a) Standard or Definitive Design -</td> <td></td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td></td> <td>N/A</td> </tr> <tr> <td colspan="3">(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</td> </tr> <tr> <td>(a) Production of Plans and Specifications</td> <td></td> <td>139</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td></td> <td>70</td> </tr> <tr> <td>(c) Total</td> <td></td> <td>209</td> </tr> <tr> <td>(d) Contract</td> <td></td> <td>157</td> </tr> <tr> <td>(e) In-house</td> <td></td> <td>52</td> </tr> <tr> <td>(4) Construction Start</td> <td></td> <td>99 JAN</td> </tr> </table> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(1) Status:			(a) Date Design Started		97 MAY 01	(b) Parametric Cost Estimates used to develop costs		N	(c) Percent Complete as of Jan 1998		90%	(d) Date 35% Designed.		97 JUL 21	(e) Date Design Complete		98 FEB 27	(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): (\$000)			(a) Production of Plans and Specifications		139	(b) All Other Design Costs		70	(c) Total		209	(d) Contract		157	(e) In-house		52	(4) Construction Start		99 JAN
(1) Status:																																																		
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(e) In-house		52																																																
(4) Construction Start		99 JAN																																																

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1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MCCHORD AIR FORCE BASE, WASHINGTON	C-17 RAMP/HYDRANT FUELS SYSTEM

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
4.11.30	113-321	PQWY993058	18,025

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
C-17 RAMP/HYDRANT FUELS SYSTEM	LS			16,195
APRON ADDITION	SM	14,500	120	(1,740)
HYDRANT OUTLETS	EA	19	374,263	(7,111)
9084 LITERS/MINUTE TYPE III PUMP HOUSE	LS			(6,256)
FUEL STORAGE TANKS	KL	3,200	340	(1,088)
SUBTOTAL				16,195
CONTINGENCY (5%)				810
TOTAL CONTRACT COST				17,005
SUPERVISION, INSPECTION AND OVERHEAD (6%)				1,020
TOTAL REQUEST				18,025
TOTAL REQUEST (ROUNDED)				18,025

10. Description of Proposed Construction: Jointed pavement for taxi access to 3 aircraft parking positions on "J" ramp. Install 19 hydrant outlets to service the new aircraft on "B" and "J" ramps. Construct a 9,084 liters per minute (LPM) Type III pump house and two 1,590 kL operational storage tanks to service the 19 new outlets on "B" and "J" ramps.

11. REQUIREMENT: As required.
PROJECT: C-17 Ramp/Hydrant Fuel System. (New Mission)
REQUIREMENT: Adequate aircraft parking ramp and refueling outlets are required to support the beddown of 48 C-17 aircraft at McChord AFB. The C-17 aircraft wingspan is 3.7 meters wider and the length is 2.1 meters longer than the C-141. The C-17s also require a 7.6 meter greater clearance between the wing tips than the C-141s. This necessitates additional ramp space and new fueling pits. The hydrant fueling system is required to provide the increased refueling capacity to meet the short turn-around times dictated by mission requirements. Refueling during peacetime cannot exceed the maximum en-route ground time of two hours and 15 minutes per AMC regulation 55-53. During contingency operations, refueling standards are one hour per aircraft. To refuel by truck would increase the refueling and turnaround time to four hours. The first C-17 arrives in August 1999. The project will reach completion in 1Q/01 to support the delivery of the 18th C-17 aircraft and to continue supporting the existing C-141s.
CURRENT SITUATION: Due to the larger size of the C-17 aircraft, the existing main parking ramp cannot provide the space necessary for parking and promote safe movement onto the taxiway. Existing fuel outlets were designed for C-141 aircraft and are not spaced to meet the 15.2 meter wing

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MCCHORD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE C-17 RAMP/HYDRANT FUELS SYSTEM	5. PROJECT NUMBER PQWY993058	
<p>tip clearance criteria for the C-17 aircraft. Additionally, the existing fueling system is substandard and inadequate to meet the C-17 refueling requirements.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Programmed operations will be jeopardized without sufficient hydrant refueling capabilities. Aircraft will not meet the required peacetime turn-around time of two hours and 15 minutes or one hour during contingency operations. Aircraft refueling will require additional personnel.</p> <p><u>ADDITIONAL:</u> This project meets the safety criteria specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo and new construction) was done. It indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.</p> <p>BASE CIVIL ENGINEER: LTC GREENOUGH, (253) 984-5209.</p> <p style="text-align: center;">209</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MCCHORD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE	5. PROJECT NUMBER	
C-17 RAMP/HYDRANT FUELS SYSTEM	PQWY993058	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	97 MAR 01	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1998	35%	
(d) Date 35% Designed.	97 DEC 10	
(e) Date Design Complete	98 JUL 31	
(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): (\$000)		
(a) Production of Plans and Specifications	1082	
(b) All Other Design Costs	540	
(c) Total	1622	
(d) Contract	1217	
(e) In-house	405	
(4) Construction Start 99 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		2. DATE	
AIR FORCE		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	
3. INSTALLATION AND LOCATION		4. PROJECT TITLE	
MCCHORD AIR FORCE BASE, WASHINGTON		C-17 ALTER MAINTENANCE HANGARS	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
4.11.30	211-111	PQWY993057	6,427

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
C-17 ALTER MAINTENANCE HANGARS	SM	13,500	395	5,333
SUPPORTING FACILITIES				179
UTILITIES	LS			(179)
SUBTOTAL				5,512
CONTINGENCY (10%)				551
TOTAL CONTRACT COST				6,063
SUPERVISION, INSPECTION AND OVERHEAD (6%)				381
TOTAL REQUEST				6,427
TOTAL REQUEST (ROUNDED)				6,427

10. Description of Proposed Construction: Replace doors, enlarge openings and perform structural modifications on two hangars to accommodate C-17 aircraft. Work required in conjunction with the hangar door alterations includes corrosion control, minor interior alterations, repair/resurface hangar floors, seismic upgrades, and upgrade of hangar lighting and electrical systems.

11. REQUIREMENT: 10 EA ADEQUATE: 2 EA SUBSTANDARD: 8 EA
PROJECT: C-17 Alter Maintenance Hangars. (New Mission)
REQUIREMENT: This project is required to provide properly sized and configured aircraft maintenance hangars for housing C-17 aircraft and support equipment during aircraft maintenance activities, complying with minimum safety and clearance standards. This project upgrades two fully enclosed hangars (3rd and 4th docks) to support scheduled and unscheduled inspections, repairs, and maintenance of C-17 aircraft. Specific maintenance activities include: isochronal inspection, sixty hour home station checks, and aircraft refurbishment. Twenty percent of the assigned C-17 aircraft must have access to fully enclosed maintenance hangars. The first C-17 arrives in August 1999 and a total of 16 C-17s will be on station (need four docks) at the completion of this project. The remaining substandard hangars will be altered during the FYDP to coincide with aircraft delivery.
CURRENT SITUATION: The existing hangar roof, doors, and openings are too small to accommodate the C-17 aircraft which has larger dimensions than a C-141. In addition, the interior electrical and lighting systems do not meet appropriate codes and are inadequate to support C-17 aircraft maintenance activities. The interior hangar surfaces and structure needs repainting. The flooring is bare concrete and lacks a reflective and

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MCCHORD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE C-17 ALTER MAINTENANCE HANGARS	5. PROJECT NUMBER PQWY993057	
<p data-bbox="186 426 1290 485">fuel-impervious surface. The existing facility does not comply with facility standards for aircraft maintenance.</p> <p data-bbox="186 489 1336 642"><u>IMPACT IF NOT PROVIDED:</u> Inability to conduct aircraft maintenance in fully enclosed facilities, protected from inclement weather and other environmental contaminants, will force deferral of required maintenance resulting in impacts on programmed utilization rates for the C-17 aircraft.</p> <p data-bbox="186 646 1369 961"><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, alteration, and new construction) was done. It indicates that alteration is the only economical option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: LTC GREENOUGH, (253) 984-5209. Building Numbers 1 and 2.</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MCCHORD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE		5. PROJECT NUMBER
C-17 ALTER MAINTENANCE HANGARS		PQWY993057
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		97 MAR 01
(b) Parametric Cost Estimates used to develop cost		N
(c) Percent Complete as of Jan 1998		35%
(d) Date 35% Designed.		97 DEC 19
(e) Date Design Complete		98 JUN 26
(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): (\$000)		
(a) Production of Plans and Specifications		386
(b) All Other Design Costs		192
(c) Total		578
(d) Contract		434
(e) In-house		144
(4) Construction Start		99 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		
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1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MCCHORD AIR FORCE BASE, WASHINGTON			C-17 ADD TO AND ALTER SIMULATOR FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
4.11.30	171-212	PQWY993056	1,823		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
C-17 ADD TO AND ALTER SIMULATOR FACILITY		SM	800		1,282
ADDITION ONE SIMULATOR BAY (1 BAY)		SM	500	2,300	(1,500)
ALTERATION		SM	300	440	(132)
SUPPORTING FACILITIES					282
UTILITIES		LS			(120)
PAVEMENTS		LS			(75)
SITE IMPROVEMENTS		LS			(42)
COMMUNICATIONS PRE-WIRING		SM	700	64	(45)
SUBTOTAL					1,564
CONTINGENCY (10%)					156
TOTAL CONTRACT COST					1,720
SUPERVISION, INSPECTION AND OVERHEAD (6%)					103
TOTAL REQUEST					1,823
TOTAL REQUEST (ROUNDED)					1,823
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(25,000)
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab. Precast concrete walls and sloped metal roof. Electrical, mechanical, fire detection/suppression system, and necessary prewiring. Alterations include renovating an admin area and computer training area. Includes utility support, vehicle parking, and necessary support. Air Conditioning: 50 KW.					
11. REQUIREMENT: As required. PROJECT: C-17 Add to and Alter Simulator Facility. (New Mission) REQUIREMENT: An adequate facility is required to house a full motion (six axes) flight simulator for the C-17 aircrews in support of the beddown of 48 C-17 aircraft. This is the second of three required simulator bays--one per 16 assigned aircraft. The 17th C-17 arrives on station in the 2nd quarter of FY01. These simulators provide initial training, qualification, proficiency, and effective mission procedures training. It is essential to provide hazardous emergency training procedures that otherwise could not be provided. This project will be construction complete by the 4th quarter of FY00 in time for the delivery of the simulator and equipment, also scheduled for the 4th quarter of FY00. An additional nine months is required for installation and testing of the simulator equipment, cadre training and familiarization, and initial crew training. Delays will create a \$20,000 per month storage fee and \$200,000 per year fee to surge existing simulators to meet training requirements. CURRENT SITUATION: One full motion C-17 simulator is available for aircrew training. The C-17 simulators at both Altus and Charleston are fully utilized and cannot economically support simulator training					

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION
 MCCHORD AIR FORCE BASE, WASHINGTON

4. PROJECT TITLE	5. PROJECT NUMBER
C-17 ADD TO AND ALTER SIMULATOR FACILITY	PQWY993056

requirements for the aircrews at McChord.
IMPACT IF NOT PROVIDED: The beddown and safe operation of the C-17 aircraft could not be accomplished without providing required flight simulator training facilities. Delay in providing requested construction creates a \$20,000 per month storage fee for each simulator already on contract and a \$200,000/year fee to surge existing simulators to meet requirements.

COMPLIANCE: There are no criteria/scope for this project in Air Force Handbook 1190, "Facility Planning and Design Guide". However this project does meet the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: LTC GREENOUGH, (253) 984-5209. Building Number 1307.

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1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
AIR FORCE	(computer generated)		.
3. INSTALLATION AND LOCATION			
MCCHORD AIR FORCE BASE, WASHINGTON			
4. PROJECT TITLE		5. PROJECT NUMBER	
C-17 ADD TO AND ALTER SIMULATOR FACILITY		PQWY993056	
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a)	Date Design Started		97 MAY 01
(b)	Parametric Cost Estimates used to develop costs		N
(c)	Percent Complete as of Jan 1998		0%
(d)	Date 35% Designed.		97 JUL 22
(e)	Date Design Complete		98 JAN 30
(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):			(\$000)
(a)	Production of Plans and Specifications		109
(b)	All Other Design Costs		55
(c)	Total		164
(d)	Contract		123
(e)	In-house		41
(4)	Construction Start		99 JAN
b. Equipment associated with this project will be provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
C-17 FLIGHT SIMULATOR DEVICE	3010	FY1999	25000

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MCCHORD AIR FORCE BASE, WASHINGTON			C-17 REPAIR BASE ROADS		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
4.11.30	851-147	PQWY993055	2,224		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
C-17 REPAIR BASE ROADS/CONSTRUCT BRIDGE		LS			1,857
ROADS		SM	118,000	14	(1,652)
BRIDGE & APPROACHES		LS			(205)
SUPPORTING FACILITIES					50
SITE IMPROVEMENTS		LS			(50)
SUBTOTAL					1,907
CONTINGENCY (10%)					191
TOTAL CONTRACT COST					2,098
SUPERVISION, INSPECTION AND OVERHEAD (6%)					126
TOTAL REQUEST					2,224
TOTAL REQUEST (ROUNDED)					2,224
10. Description of Proposed Construction: Grind off the top 50 mm of asphaltic concrete pavement from 16,100 linear meters of 7.3 meter wide roadway. Overlay with 76 mm asphaltic pavement and remark pavement centerline and shoulders. Includes bridge, site improvements, and necessary support.					
11. REQUIREMENT: As required.					
PROJECT: C-17 Repair Base Roads. (New Mission)					
REQUIREMENT: Adequate roadways and traffic control to permit safe and efficient traffic flow through the base to support the increased traffic flow of heavy construction equipment associated with the C-17 beddown.					
CURRENT SITUATION: The C-17 beddown construction program will construct or renovate over 37,161 SM of facilities and over 62,709 SM of runway and apron pavements. Environmental considerations preclude operation of a waste dump on base, and thousands of kilograms of construction and waste materials will be hauled onto and off the base. Sixteen kilometers of "haul roads" will be subject to traffic far beyond their design load. This will result in extensive damage to the road surface that must be reconstructed as soon as possible following the C-17 beddown construction effort to preclude further, follow-on deterioration of roadbed base and sub-grade structures.					
IMPACT IF NOT PROVIDED: Existing roadways will rapidly deteriorate as a result of the increase in traffic associated with the heavy construction equipment on base. Required traffic flow and vehicle accessibility will be impaired or not available to support C-17 mission requirements.					
ADDITIONAL: This project meets the scope/criteria specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo and repair)					

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MCCHORD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE C-17 REPAIR BASE ROADS	5. PROJECT NUMBER PQWY993055	
<p>was done. It indicates repair is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: LTC GREENOUGH, (253) 984-5209.</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
MCCHORD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE	5. PROJECT NUMBER	
C-17 REPAIR BASE ROADS	PQWY993055	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	97 MAY 01	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1998	35%	
(d) Date 35% Designed.	97 DEC 19	
(e) Date Design Complete	98 MAR 27	
(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): (\$000)		
(a) Production of Plans and Specifications	133	
(b) All Other Design Costs	67	
(c) Total	200	
(d) Contract	150	
(e) In-house	50	
(4) Construction Start 99 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		
219		

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MCCHORD AIR FORCE BASE, WASHINGTON			C-17 ADD/ALTER AEROSPACE GROUND MAINTENANCE FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
4.11.30	218-712	PQWY993050	2,110		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
C-17 ADD/ALTER AEROSPACE GROUND MAINTENANCE FACILITY		SM	1,925		1,668
ADDITION		SM	1,550	960	(1,498)
ALTERATION		SM	375	480	(180)
SUPPORTING FACILITIES					142
UTILITIES		LS			(67)
PAVEMENTS		LS			(45)
SITE IMPROVEMENTS		LS			(30)
SUBTOTAL					1,810
CONTINGENCY (10%)					181
TOTAL CONTRACT COST					1,991
SUPERVISION, INSPECTION AND OVERHEAD (6%)					119
TOTAL REQUEST					2,110
TOTAL REQUEST (ROUNDED)					2,110
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab. Masonry walls with brick veneer, standing seam sloped metal roof. Electrical, mechanical, fire detection/suppression systems, and pre-wiring to accommodate required communications and data services. Includes utility work, vehicle parking, site improvements, and necessary support.					
11. REQUIREMENT: 3,068 SM ADEQUATE: 1,143 SM SUBSTANDARD: 375 SM PROJECT: C-17 Add to and alter Aerospace Ground Equipment (AGE) maintenance facility. (New Mission) REQUIREMENT: An adequately sized and properly configured facility for maintenance and repair of AGE is required for C-17 aircraft. The first C-17 will arrive on station in August 1999. Space is required for maintenance, tool cribs/bench stocks, battery storage, and maintenance management. CURRENT SITUATION: The existing C-141 AGE shop and associated storage facility cannot accommodate the larger C-17 parts and equipment to perform the maintenance requirements generated by the beddown of 48 C-17 aircraft. The new facility must support a combination of approximately 48 C-141/C-17 weapons systems until the C-141 aircraft drawdown is completed at which time a total of 48 C-17s will be in place. IMPACT IF NOT PROVIDED: It will not be possible to meet required C-17 aircraft utilization rates to support the beddown of 48 C-17 aircraft without accomplishment of requested construction. ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable					

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MCCHORD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE C-17 ADD/ALTER AEROSPACE GROUND MAINTENANCE FACILITY	5. PROJECT NUMBER PQWY993050	
<p>options for accomplishing this project (status quo, addition/alteration, and new construction) was done. It indicates an addition/alteration to the existing AGE facility is the only economical option to meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: LTC GREENOUGH, (253) 984-5209. Building Number 1200.</p>		

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1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MCCHORD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE	5. PROJECT NUMBER	
C-17 ADD/ALTER AEROSPACE GROUND MAINTENANCE FACILITY	PQWY993050	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	97 MAY 01	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1998	30%	
(d) Date 35% Designed.	97 OCT 07	
(e) Date Design Complete	98 MAR 27	
(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): (\$000)		
(a) Production of Plans and Specifications	127	
(b) All Other Design Costs	63	
(c) Total	190	
(d) Contract	132	
(e) In-house	58	
(4) Construction Start 99 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MCCHORD AIR FORCE BASE, WASHINGTON			C-17 FLIGHTLINE SUPPORT FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
4.11.30	442-758	PQWY983054	4,029		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
C-17 FLIGHTLINE SUPPORT FACILITY		SM	3,500	840	2,940
SUPPORTING FACILITIES					680
UTILITIES		LS			(340)
PAVEMENTS		LS			(235)
SITE IMPROVEMENTS		LS			(105)
SUBTOTAL					3,620
CONTINGENCY (5%)					81
TOTAL CONTRACT COST					3,801
SUPERVISION, INSPECTION AND OVERHEAD (6%)					228
TOTAL REQUEST					4,029
TOTAL REQUEST (ROUNDED)					4,029
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab. Masonry exterior walls with brick veneer, and standing seam sloped metal roof. Electrical, mechanical, fire detection and suppression systems, and pre-wiring for communications services. Includes vehicle parking, site improvements, and necessary support. Air Conditioning: 20 KW.					
11. REQUIREMENT: 3,965 SM ADEQUATE: 465 SM SUBSTANDARD: 0 PROJECT: C-17 Flightline Support Facility. (New Mission) REQUIREMENT: An adequate facility is required to provide warehousing and storage of mission essential aircraft spare parts, assemblies, and components necessary to maintain the C-17 aircraft. The first C-17 arrives in August 1999. In addition to daily stocks, the facility must house deployable mobility readiness spares packages to provide global logistic support to meet Air Mobility Command (AMC) requirements. The facility must also be located within close proximity to the flightline to effectively accommodate maintenance accessibility and rapid issuance and control of high value parts. CURRENT SITUATION: One existing flightline support facility (465 SM), currently used for C-141 flying operations, will be designated to support the C-17 aircraft beddown. This facility provides for only 12 percent of the required storage space to support the C-17 aircraft. No other facilities exist near the flightline that can be added to or altered to provide the needed flightline support space. IMPACT IF NOT PROVIDED: Parts and readiness spare parts pallets will not be readily available for the C-17. Physical separation will require additional work-arounds that will degrade mission performance.					

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1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MCCHORD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE C-17 FLIGHTLINE SUPPORT FACILITY	5. PROJECT NUMBER PQWY983054	
<p><u>ADDITIONAL:</u> There is no criteria for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, addition/alteration, and new construction) was done. It indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: LTC GREENOUGH, (253) 984-5209.</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
MCCHORD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE	5. PROJECT NUMBER	
C-17 FLIGHTLINE SUPPORT FACILITY	PQWY983054	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	97 APR 01	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1998	35%	
(d) Date 35% Designed.	97 DEC 19	
(e) Date Design Complete	98 JUN 26	
(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): (\$000)		
(a) Production of Plans and Specifications	242	
(b) All Other Design Costs	121	
(c) Total	363	
(d) Contract	272	
(e) In-house	91	
(4) Construction Start 99 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA			2. DATE
AIR FORCE	(computer generated)			
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
MCCHORD AIR FORCE BASE, WASHINGTON		C-17 SHORTFIELD ASSAULT STRIP		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
4.11.30	116-116	PQWY983050	2,321	
9. COST ESTIMATES				

ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
C-17 SHORTFIELD ASSAULT STRIP	LS			1,675
RUNWAY OVERRUNS	SM	7,000	96	(672)
SHOULDERS	SM	1,500	52	(78)
APRONS AND TAXIWAYS	SM	6,500	92	(598)
RUNWAY LIGHTING	LS			(327)
SUPPORTING FACILITIES				316
UTILITIES	LS			(240)
SITE IMPROVEMENTS	LS			(76)
SUBTOTAL				1,991
CONTINGENCY (10%)				199
TOTAL CONTRACT COST				2,190
SUPERVISION, INSPECTION AND OVERHEAD (6%)				131
TOTAL REQUEST				2,321
TOTAL REQUEST (ROUNDED)				2,321

10. Description of Proposed Construction: Add to and alter an existing aircraft taxiway at Grant County airport, Moses Lake, Washington for conversion to a C-17 assault training runway. Replace damaged concrete slabs as required and widen taxiway. Add hammerheads, an aircraft parking apron, runway lighting, pavement striping, and provide necessary support. Slurry seal all new asphaltic cement concrete pavements.

11. REQUIREMENT: As required.
PROJECT: C-17 Add to and Alter Shortfield Assault Strip. (New Mission)
REQUIREMENT: A shortfield landing strip is required to provide adequate and realistic training and continuing proficiency by simulating the type of field conditions to be encountered at forward operating locations. The first C-17 arrives on station in August 1999. The shortfield must be 1,250 meters long by 27.5 meters wide with 6 meter wide paved shoulders. The field must include a hammerhead at each end of the runway, a parking apron, and runway lighting.
CURRENT SITUATION: The existing C-130 shortfield at McChord AFB is only 1,146 meters long by 18.3 meters wide with 3 meter wide paved shoulders. This does not meet the length and width requirements to support the C-17 aircraft. This shortfield is also parallel and too close to McChord's main runway. The centerlines of the shortfield and main runway are only 64 meters apart (12 meter wing tip clearance). This precludes simultaneous operation of both, runway and shortfield. The projected numbers of aircrews to be trained at McChord indicates that the shortfield will be in use for a minimum of five to six hours per day, seven days per week, in support of both the 62nd AW (Active) and the 446th AW (Reserve Affiliate). To close McChord's main runway for five to six hours per day would be operationally unacceptable. The only available airfield,

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MCCHORD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE C-17 SHORTFIELD ASSAULT STRIP	5. PROJECT NUMBER PQWY983050	
<p>operationally viable for daily C-17 assault landing and takeoff training, is Grant County airport located near Moses Lake, Washington. An existing 1,372 meter long by 22.9 meter wide taxiway at the Grant County airport is available for Air Force use and is upgradable to C-17 shortfield requirements.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If an operationally viable shortfield is not provided within a reasonable commuting distance of McChord AFB, it will be impossible for C-17 aircrew to maintain proficiency in shortfield takeoff and landing procedures.</p> <p><u>ADDITIONAL:</u> This project meets the scope/criteria in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation of existing, and new construction) was done. It indicates alteration as the only economical option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: LTC GREENOUGH, (253) 984-5209.</p> <p style="text-align: center;">227</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MCCHORD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE		5. PROJECT NUMBER
C-17 SHORTFIELD ASSAULT STRIP		PQWY983050
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		97 FEB 01
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1998		65%
(d) Date 35% Designed.		97 SEP 22
(e) Date Design Complete		98 MAR 27
(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): (\$000)		
(a) Production of Plans and Specifications		139
(b) All Other Design Costs		70
(c) Total		209
(d) Contract		157
(e) In-house		52
(4) Construction Start		99 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MCCHORD AIR FORCE BASE, WASHINGTON			C-17 ALTER COMPOSITE SHOP		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
4.11.30	211-152	PQWY973059	1,630		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
C-17 ALTER COMPOSITE SHOP		SM	850	1,400	1,190
SUPPORTING FACILITIES					208
UTILITIES		LS			(135)
PAVEMENTS		LS			(45)
SITE IMPROVEMENTS		LS			(28)
SUBTOTAL					1,190
CONTINGENCY (10%)					119
TOTAL CONTRACT COST					1,538
SUPERVISION, INSPECTION AND OVERHEAD (6%)					92
TOTAL REQUEST					1,630
TOTAL REQUEST (ROUNDED)					1,630
10. Description of Proposed Construction: Alteration includes major reconfiguring of maintenance space, upgrade of lighting, electrical, and mechanical systems, a fire detection/alarm/suppression system, exterior/interior pavement upgrade, site improvements, and necessary support.					
11. REQUIREMENT: As required.					
PROJECT: C-17 Alter Composite Shop. (New Mission)					
REQUIREMENT: An adequately sized and configured high-bay facility is required to provide space for specialized maintenance activities to support C-17 aircraft. The first C-17s will arrive on station in August 1999. Space is required for fabrication, aerospace systems repair, non-destructive inspection and composite repair of the C-17 aircraft.					
CURRENT SITUATION: Current maintenance area is substandard without adequate utilities. Space configuration is designed to support much smaller C-141 aircraft. Since the C-17 aircraft components are larger than similar C-141 components, the existing maintenance area must be reconfigured to provide the required safety clearance distances between the larger C-17 aircraft parts and the maintenance equipment.					
IMPACT IF NOT PROVIDED: Adequate specialized maintenance cannot be performed which will jeopardize programmed utilization rates for the new C-17 aircraft. Personnel will work in a cramped and unsafe environment.					
ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084 "Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: LTC COL GREENOUGH, (253) 984-5209. Building Number 745.					

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1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE																								
3. INSTALLATION AND LOCATION MCCHORD AIR FORCE BASE, WASHINGTON																										
4. PROJECT TITLE C-17 ALTER COMPOSITE SHOP	5. PROJECT NUMBER PQWY973059																									
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>97 MAY 01</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>N</td> </tr> <tr> <td>(c) Percent Complete as of Jan 1998</td> <td>80%</td> </tr> <tr> <td>(d) Date 35% Designed.</td> <td>97 OCT 07</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>98 MAR 27</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>98</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>49</td> </tr> <tr> <td>(c) Total</td> <td>147</td> </tr> <tr> <td>(d) Contract</td> <td>110</td> </tr> <tr> <td>(e) In-house</td> <td>37</td> </tr> </table> <p>(4) Construction Start 99 JAN</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(a) Date Design Started	97 MAY 01	(b) Parametric Cost Estimates used to develop costs	N	(c) Percent Complete as of Jan 1998	80%	(d) Date 35% Designed.	97 OCT 07	(e) Date Design Complete	98 MAR 27	(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used -	N/A	(a) Production of Plans and Specifications	98	(b) All Other Design Costs	49	(c) Total	147	(d) Contract	110	(e) In-house	37
(a) Date Design Started	97 MAY 01																									
(b) Parametric Cost Estimates used to develop costs	N																									
(c) Percent Complete as of Jan 1998	80%																									
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(a) Standard or Definitive Design -	NO																									
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(d) Contract	110																									
(e) In-house	37																									

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MCCHORD AIR FORCE BASE, WASHINGTON			C-17 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
4.11.30	141-753	PQWY973002	6,524		

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
C-17 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	SM	3,300	1,330	4,389
SUPPORTING FACILITIES				1,473
UTILITIES	LS			(570)
PAVEMENTS	LS			(445)
SITE IMPROVEMENTS	LS			(270)
DEMOLITION AND REMOVAL/DISEMPOWERING	SM	100	151	(15,100)
ELEVATOR	EA	1	103,000	(103,000)
SUBTOTAL				5,862
CONTINGENCY (5%)				293
TOTAL CONTRACT COST				6,155
SUPERVISION, INSPECTION AND OVERHEAD (6%)				369
TOTAL REQUEST				6,524
TOTAL REQUEST (ROUNDED)				6,524

10. Description of Proposed Construction: Two-story facility with concrete foundation, masonry walls, structural steel frame, sloping roof system, fire protection system, utilities, elevator, site improvements and parking, demolition, and necessary support.
Air Conditioning: 65 KW.

11. REQUIREMENT: As required.
PROJECT: Construct a Squadron Operations/Aircraft Maintenance Unit (Sq Ops/AMU). (New Mission)
REQUIREMENT: It consolidates Air Mobility operational squadrons by collocating aircraft operators with aircraft maintainers. This is the second of four Sq Ops/AMU facilities required to house the C-17/C-141 squadrons. Squadrons will operate a combination of 48 C-17/C-141s until all 48 C-17s arrive by FY04. The consolidation relocates flyers and maintainers out of undersized, interim, and dispersed facilities into a functional and adequately sized structure. Space is required for Ops/AMU management support, briefing/debriefing, flight planning, training and testing, tool rooms, standardization/evaluation, locker rooms, flying/ground safety, bench stock, mobility office, scheduling, and a technical order library. Consolidation is consistent with the Air Mobility Command (AMC) initiative to bring the command's Sq Ops/AMU facilities up to minimum Air Force standards. These efficiencies are essential to maintain AMC mission tasking rates.
CURRENT SITUATION: There are no adequate facilities to support consolidated Sq Ops/AMU operations at McChord AFB. Currently, there are three operations and two maintenance facilities in use. These facilities provide less than half of the required space and are scattered throughout

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MCCHORD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE C-17 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	5. PROJECT NUMBER PQWY973002	
<p>McChord AFB. The operations personnel are working in an overcrowded, improperly configured facilities far from the squadron maintenance (AMU) personnel on the flightline. The supporting AMU occupies an overcrowded, improperly configured, and temporary modular facility approved for use only until the completion of this project. The associated squadron life support function is shoehorned in with two other squadron life support elements in a single overcrowded facility at a third location on base. This physical separation creates fragmented lines of communications and authority. The project includes demolition and disposal of a temporary modular facility.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Operations, maintenance, and support personnel will remain in separate, undersized, and interim buildings and will never develop the cohesiveness necessary to become an efficient and effective operational squadron. The geographic separation will continue to hamper the lines of authority and communication throughout the squadron. Essential squadron operations and logistic functions will continue to require extensive work-arounds that will degrade mission performance. Temporary modular facilities will continue to barely support the flightline maintenance unit and experience extensive wear and tear and associated maintenance costs.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, addition/alteration, and new construction) was done. It indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: LTC GREENOUGH, (253) 984-5209.</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MCCHORD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE		5. PROJECT NUMBER
C-17 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC		PQWY973002
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		97 MAR 01
(b) Parametric Cost Estimates Used to develop costs		N
(c) Date 50% Design		97 DEC 03
(d) Date 10% Design		
(e) Date Design Complete		98 MAY 29
(2) Basis:		
(a) Standard or Definitive Design -		YES
(b) Where Design Was Most Recently Used -		CHARLEST
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		391
(b) All Other Design Costs		196
(c) Total		587
(d) Contract		440
(e) In-house		147
(4) Construction Start		99 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
AIR FORCE	(computer generated)				
3. INSTALLATION AND LOCATION		4. PROJECT TITLE			
MCCHORD AIR FORCE BASE, WASHINGTON		C-17 LIFE SUPPORT EQUIPMENT FACILITY			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
4.11.30	141-753	PQWY993054	4,413		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
C-17 LIFE SUPPORT EQUIPMENT FACILITY		SM	2,400	1,500	3,600
SUPPORTING FACILITIES					365
UTILITIES		LS			(205)
PAVEMENTS		LS			(110)
SITE IMPROVEMENTS		LS			(50)
SUBTOTAL					3,965
CONTINGENCY (5%)					198
TOTAL CONTRACT COST					4,163
SUPERVISION, INSPECTION AND OVERHEAD (6%)					250
TOTAL REQUEST					4,413
TOTAL REQUEST (ROUNDED)					4,413
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab. Masonry exterior walls with brick veneer, standing seam sloped metal roof. Electrical, mechanical, fire detection/suppression systems, and prewiring for communications systems. Includes utility support, site improvements, vehicle parking, site improvements, and necessary support. Air Conditioning: 100 KW.					
11. REQUIREMENT: 2,400 SM ADEQUATE: 0 SUBSTANDARD: 1,330 SM PROJECT: C-17 life support equipment facility. (New Mission) REQUIREMENT: An adequately sized and properly configured facility is required to house life support equipment for C-17 flying squadrons. The first C-17 arrives on station in August 1999. Space is required for life support staging and storage, helmet/oxygen mask repair, mock-up decontamination/survival training room, chemical gear issue and storage, explosive storage and issue, oxygen bottle maintenance area, flightline inspection, and administrative management. CURRENT SITUATION: The existing inadequate life support equipment facility barely houses C-141 flying operations and cannot be expanded to accommodate the life support associated with the beddown of four C-17 squadrons. This existing facility will continue to support C-141 aircraft until their retirement at which time it will be altered for more appropriate use or demolished. There are no other buildings that can be altered to provide a C-17 life support facility. IMPACT IF NOT PROVIDED: Required life support equipment storage and training will be inadequate for C-17 operations causing negative mission impact.					

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MCCHORD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE C-17 LIFE SUPPORT EQUIPMENT FACILITY	5. PROJECT NUMBER PQWY993054	
<p>ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Handbook 1190-34, "Facility Planning and Design Guide". An analysis of reasonable options for accomplishing this project (status quo, renovation, or new construction) was done. It indicates that only new construction will meet operational requirements. Because of this, a full economic analysis was not required. A certificate of exception has been prepared. BASI, CIVIL ENGINEER, LTC GREENOUGH, (253) 984-5209.</p> <p>235</p>		

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE																																																
3. INSTALLATION AND LOCATION MCCHORD AIR FORCE BASE, WASHINGTON																																																		
4. PROJECT TITLE C-17 LIFE SUPPORT EQUIPMENT FACILITY	5. PROJECT NUMBER PQWY993054																																																	
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <table border="0"> <tr> <td colspan="3">(1) Status:</td> </tr> <tr> <td>(a) Date Design Started</td> <td></td> <td>97 APR 01</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td></td> <td>N</td> </tr> <tr> <td>(c) Percent Complete as of Jan 1998</td> <td></td> <td>50%</td> </tr> <tr> <td>(d) Date 35% Designed.</td> <td></td> <td>97 DEC 02</td> </tr> <tr> <td>(e) Date Design Complete</td> <td></td> <td>98 JUN 26</td> </tr> <tr> <td colspan="3">(2) Basis:</td> </tr> <tr> <td>(a) Standard or Definitive Design -</td> <td></td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td></td> <td>N/A</td> </tr> <tr> <td colspan="3">(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</td> </tr> <tr> <td>(a) Production of Plans and Specifications</td> <td></td> <td>265</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td></td> <td>132</td> </tr> <tr> <td>(c) Total</td> <td></td> <td>397</td> </tr> <tr> <td>(d) Contract</td> <td></td> <td>298</td> </tr> <tr> <td>(e) In-house</td> <td></td> <td>99</td> </tr> <tr> <td>(4) Construction Start</td> <td></td> <td>99 JAN</td> </tr> </table> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(1) Status:			(a) Date Design Started		97 APR 01	(b) Parametric Cost Estimates used to develop costs		N	(c) Percent Complete as of Jan 1998		50%	(d) Date 35% Designed.		97 DEC 02	(e) Date Design Complete		98 JUN 26	(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): (\$000)			(a) Production of Plans and Specifications		265	(b) All Other Design Costs		132	(c) Total		397	(d) Contract		298	(e) In-house		99	(4) Construction Start		99 JAN
(1) Status:																																																		
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**OUTSIDE THE
UNITED STATES**

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND			5. AREA CONST COST INDEX				
SPANGDAHLEM AIR BASE, GERMANY				UNITED STATES AIR FORCES IN EUROPE			1.34				
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 97		340	4064	696				21	71	135	5,327
b. End FY 2003		336	4135	681				21	71	135	5,379
7. INVENTORY DATA (\$000)											
a. Total Acreage: (1,289)											
b. Inventory Total As Of: (30 SEP 97) 133,719											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 13,967											
e. Authorization Included In Following Program: (FY 2000) 7,000											
f. Planned In Next Three Program Years: 39,000											
g. Remaining Deficiency: 0											
h. Grand Total: 193,686											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START		CMLP	
141-753		CONSOLIDATED AIR CONTROL SQUADRON OPERATIONS FACILITY		1,300 SM		4,466		FEB 97		SEP 98	
721-312		DORMITORY		108 PN		9,501		MAY 97		AUG 98	
				TOTAL:		13,967					
9a. Future Projects: Included in the Following Program (FY 2000)											
214-425		CONSOLIDATED ACS MAINT FAC		LS		7,000					
				TOTAL:		7,000					
9b. Future Projects: Typical Planned Next Three Years:											
116-661		ARMING PAD EXTENSION		4,000 SM		1,500					
121-111		PETROLEUM OPERATIONS FACILITY		1,000 SM		1,800					
141-753		ADD/ALTER SQUADRON OPS/AMU		2,322 SM		8,700					
214-467		REFUELER MAINTENANCE FACILITY		465 SM		2,600					
442-758		ACS COMPONENT STORAGE FACILITY		1,950 SM		3,500					
10. Mission or Major Functions: The host fighter wing supports two F-16 squadrons, one F-15C/D air superiority squadron and an A/OA-10 squadron.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:										131	
b. Water pollution:										7,167	
c. Occupational safety and health:										53	
d. Other Environmental:										5,812	
12. Real Property Maintenance Backlog This Installation										68,427	

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
SPANGDAHLEM AIR BASE, GERMANY			CONSOLIDATED AIR CONTROL SQUADRON OPERATIONS FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.75.96	141-753	VYHK983102	4,466		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
CONSOLIDATED AIR CONTROL SQUADRON OPERATIONS FACILITY		SM	1,300	2,241	2,913
SUPPORTING FACILITIES					1,080
UTILITIES		LS			(472)
PAVEMENTS/PARKING FACILITIES		LS			(258)
SITE IMPROVEMENTS		LS			(190)
DEMOLITION/ASBESTOS REMOVAL		SM	1,000	100	100,000
SUBTOTAL					3,993
CONTINGENCY (5%)					200
TOTAL CONTRACT COST					4,193
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)					273
TOTAL REQUEST					4,466
TOTAL REQUEST (ROUNDED)					4,466
FCF BUDGET RATE USED: DEUTSCHE MARK 1.7893					

10. Description of Proposed Construction: Construct reinforced concrete foundation, concrete floor slab, masonry walls, multi-structural steel frame, sloped roof, site improvements, pavements/parking facilities, passive anti-terrorism protection, and all other utilities and necessary support to provide a complete and usable two-story squadron operations building. Also includes demolition of three existing buildings.
Air Conditioning: 123 KW.

11. REQUIREMENT: 1,547 SM ADEQUATE: 247 SM SUBSTANDARD: 1,300 SM
PROJECT: Construct a consolidated air control squadron operations facility. (Current Mission)
REQUIREMENT: Adequate space is required for the 606th Air Control Squadron (606 ACS) to support squadron operations and command functions, communications, weapons armory, maintenance, quality assurance work center, training, and contracted work. The consolidation relocates operations out of several undersized, substandard, and dispersed facilities into a functional and adequately sized structure. A fully functional and properly configured facility will enable the consolidated squadron to carry out its mission efficiently and effectively, as well as build morale within the unit. Additionally, the 606 ACS is a mobile response unit whose operations must be collocated to facilitate meeting the required response times.
CURRENT SITUATION: The 606 ACS was relocated to Spangdahlem as part of the Bitburg Air Base drawdown. Due to massive space deficiencies at Spangdahlem the squadron was forced to fragment its operations into 16 separate buildings and several different areas, both on and off-base. Some of these buildings are substandard, all are overcrowded with

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY		
4. PROJECT TITLE CONSOLIDATED AIR CONTROL SQUADRON OPERATIONS FACILITY	5. PROJECT NUMBER VYHK983102	
<p>personnel and equipment, and some are located over 19 kilometers away at a geographically separated unit in Oberweis. The physical separation creates fragmented lines of communication and authority. The addition of 100 new squadron members further exacerbated this problem. The 13 substandard facilities totaling 1,000 SM will be demolished as part of this project. The remaining 13 existing facilities will be retained for more appropriate use to offset the massive space deficiencies.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Operations and support personnel will remain in substandard, dispersed and undersized buildings. This will negatively impact the cohesiveness, unit response time, and efficiency required by this highly mobile operational organization. Essential squadron operations and logistic functions will continue to require extensive work-arounds, degrading mission performance and forcing personnel to operate out of hardened aircraft shelters with no servicing utilities.</p> <p><u>ADDITIONAL:</u> This project is not NATO eligible. An economic analysis has been prepared comparing the alternatives of new construction, add/alter, and lease new facility. 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. There is not specific criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide." However, square footage requirements for each of the individual functions addressed comply with the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." BASE CIVIL ENGINEER: Lt Col Timothy Byers, 011-6565-61-6302.</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
SPANGDAHLEM AIR BASE, GERMANY		
4. PROJECT TITLE	5. PROJECT NUMBER	
CONSOLIDATED AIR CONTROL SQUADRON OPERATIONS FACILITY	VYHK983102	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		97 FEB 01
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of 10/1/98		35%
(d) Date 5% Designed.		97 DEC 15
(e) Date Design Complete		98 SEP 30
(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): (\$000)		
(a) Production of Plans and Specifications		268
(b) All Other Design Costs		134
(c) Total		402
(d) Contract		301
(e) In-house		101
(4) Construction Start		99 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		
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1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
SPANGDAHLEM AIR BASE, GERMANY			DORMITORY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
2.75.96	721-312	VYHK993101	9,501		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (108 PN)		SM	3,550	2,059	7,309
SUPPORTING FACILITIES					1,187
UTILITIES		LS			(300)
PAVEMENTS/PARKING FACILITIES		LS			(425)
SITE IMPROVEMENTS		LS			(112)
DEMOLITION/ASBESTOS REMOVAL/DISPOSAL		SM	2,500	140	(350)
SUBTOTAL					8,496
CONTINGENCY (5%)					425
TOTAL CONTRACT COST					8,921
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)					580
TOTAL REQUEST					9,501
TOTAL REQUEST (ROUNDED)					9,501
FCF BUDGET RATE USED: DEUTSCHE MARK 1.7893					
10. Description of Proposed Construction: Three-story facility with reinforced concrete foundation and floor slab, masonry walls and pitched roof. Includes room-bath/kitchen-room modules, laundry room, storage room, lounge area, passive anti-terrorism protection, demolition and asbestos removal/disposal, all supporting facilities, and necessary site improvements to include POV parking facilities. Grade Mix: 108 E1-E4.					
11. REQUIREMENT: 1,318 PN ADEQUATE: 713 PN SUBSTANDARD: 266 PN PROJECT: Construct a dormitory. (Current Mission) REQUIREMENT: Project is required to eliminate the last two central gang latrine dormitories on Spangdahlem AB. A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. CURRENT SITUATION: There are currently not enough adequate dormitories to accommodate the unaccompanied enlisted personnel at Spangdahlem AB. 339 E1-E4 unaccompanied enlisted personnel are forced to live off base in expensive private housing, detrimentally affecting readiness and force protection initiatives. The 266 personnel living on base are housed in substandard dormitories with central gang latrines. In addition to their dilapidated condition, 134 of the 266 substandard dormitory rooms are within the wartime explosive quantity distance clear zone, a direct violation of Department of Defense explosive safety regulation DoD 6055.9-STD (Ammunition and Explosive Safety Standard). This project					

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY		
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER VYHK993101	
<p>includes the demolition of two (40 and 42 PN) central gang latrine dormitories.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Airmen stationed far from home and family will continue to be forced to live in substandard and potentially unsafe conditions detrimentally affecting morale, productivity, and career satisfaction. Lowered morale will contribute to retention difficulties for the Air Force. The lack of on-base living quarters for unaccompanied enlisted airmen will continue to pose force protection risks and decreased force readiness capabilities.</p> <p><u>ADDITIONAL:</u> This project is not NATO eligible. This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, sending enlisted personnel off-base, and leasing. 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. FY 1996 Unaccompanied Housing RPM Conducted: \$5.1M. FY 1997 Unaccompanied Housing RPM Conducted: \$2.3M. Future Unaccompanied Housing RPM Requirements (Estimated): FY98=\$0.77M; FY99=\$0.79M; FY00=\$0.82M; FY01=\$0.84M; FY02=\$0.87M; FY03=\$.89M. BASE CIVIL ENGINEER: LtCol Tomothy Byers, o11-6565-61-6302.</p>		

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1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE																								
3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY																										
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER VYHK993101																									
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table data-bbox="357 546 1421 714"> <tr> <td>(a) Date Design Started</td> <td>97 MAY 01</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>N</td> </tr> <tr> <td>(c) Design Complete - Jan 1998</td> <td>35%</td> </tr> <tr> <td>(d) Date 50% Designed.</td> <td>97 NOV 15</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>98 AUG 30</td> </tr> </table> <p>(2) Basis:</p> <table data-bbox="357 756 1421 840"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table data-bbox="357 882 1421 1060"> <tr> <td>(a) Production of Plans and Specifications</td> <td>570</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>285</td> </tr> <tr> <td>(c) Total</td> <td>855</td> </tr> <tr> <td>(d) Contract</td> <td>641</td> </tr> <tr> <td>(e) In-house</td> <td>214</td> </tr> </table> <p>(4) Construction Start 99 JAN</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(a) Date Design Started	97 MAY 01	(b) Parametric Cost Estimates used to develop costs	N	(c) Design Complete - Jan 1998	35%	(d) Date 50% Designed.	97 NOV 15	(e) Date Design Complete	98 AUG 30	(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used -	N/A	(a) Production of Plans and Specifications	570	(b) All Other Design Costs	285	(c) Total	855	(d) Contract	641	(e) In-house	214
(a) Date Design Started	97 MAY 01																									
(b) Parametric Cost Estimates used to develop costs	N																									
(c) Design Complete - Jan 1998	35%																									
(d) Date 50% Designed.	97 NOV 15																									
(e) Date Design Complete	98 AUG 30																									
(a) Standard or Definitive Design -	NO																									
(b) Where Design Was Most Recently Used -	N/A																									
(a) Production of Plans and Specifications	570																									
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(c) Total	855																									
(d) Contract	641																									
(e) In-house	214																									

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE		
3. INSTALLATION AND LOCATION KUNSAN AIR BASE, KOREA						4. COMMAND PACIFIC AIR FORCES			5. AREA CONST COST INDEX 1.17		
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 97		219	2339	348				13	153	13	3,085
b. End FY 2003		218	2320	342				13	153	13	3,059
7. INVENTORY DATA (\$000)											
a. Total Acreage: (2,557)											
b. Inventory Total As Of: (30 SEP 97)										206,239	
c. Authorization Not Yet In Inventory:										0	
d. Authorization Requested In This Program:										5,958	
e. Authorization Included In Following Program: (FY 2000)										0	
f. Planned In Next Three Program Years:										6,000	
g. Remaining Deficiency:										0	
h. Grand Total:										218,197	
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY		PROJECT TITLE				SCOPE		COST (\$000)		DESIGN STATUS	
<u>CODE</u>								<u>START</u>		<u>CMPL</u>	
721-312		DORMITORY				122 PN		5,958		MAR 97 JUN 98	
						TOTAL:		5,958			
9a. Future Projects: Included in the Following Program (FY 2000) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
841-161		CONSTRUCT WATER SUPPLY SYSTEM				LS		6,000			
10. Mission or Major Functions: The host fighter wing supports two F-16 squadrons. A joint use agreement with Korea permits use of the runway by Korean civil air carriers.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:										0	
b. Water pollution:										0	
c. Occupational safety and health:										0	
d. Other Environmental:										2,100	
12. Real Property Maintenance Backlog This Installation										90,766	

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1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE			
AIR FORCE								
3. INSTALLATION AND LOCATION				4. PROJECT TITLE				
KUNSAN AIR BASE, KOREA				DORMITORY				
5. PROGRAM ELEMENT		6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)				
2.75.96		721-312	MLWR973087	5,958				
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (122 PN)					SM	4,250	857	3,642
SUPPORTING FACILITIES								1,686
UTILITIES					LS			(470)
PAVEMENTS					LS			(241)
SITE IMPROVEMENTS					LS			(300)
SPECIAL FOUNDATIONS					LS			(175)
SOIL REMEDIATION					LS			(175)
DEMOLITION/ASBESTOS REMOVAL					LS			(250)
COMMUNICATIONS					LS			(75)
SUBTOTAL								5,328
CONTINGENCY (5%)								266
TOTAL CONTRACT COST								5,594
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)								364
TOTAL REQUEST								5,958
TOTAL REQUEST (ROUNDED)								5,958
FCF BUDGET RATE USED: WON 1,342.4000								

10. Description of Proposed Construction: A four story building to consist of reinforced concrete foundation and floor slabs, masonry walls and roof system. Includes room-bath-room modules, laundry rooms, storage and lounge areas and all supporting facilities including fire protection system and utilities with separate mechanical/utility building. Project demolishes two central latrine dormitories.
Air Conditioning: 200 KW. Grade Mix: 122 E1-E4.

11. REQUIREMENT: 2,569 PN ADEQUATE: 1,886 PN SUBSTANDARD: 402 PN
PROJECT: Construct a dormitory. (Current Mission)
REQUIREMENT: It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform.
CURRENT SITUATION: Kunsan Air Base is an unaccompanied remote tour installation which makes adequate housing essential for the safety and morale of assigned enlisted personnel. Approximately one-fifth of existing quarters were constructed prior to 1962 with central latrines and currently are in deteriorated condition. Kunsan AB also has a deficit of living quarters for unaccompanied personnel, requiring airmen to live off-base. This condition adversely impacts force protection and readiness initiatives. Additionally, off-base quarters are inadequate with substandard utilities, non-potable water, and dangerous heating systems.
IMPACT IF NOT PROVIDED: Substandard living conditions will persist, degrading morale, productivity and career satisfaction for unaccompanied enlisted personnel. The lack of living quarters on base will continue to

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION KUNSAN AIR BASE, KOREA		
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER MLWR973087	
<p>pose force protection risks and to decrease readiness capabilities. Airmen stationed far from home and family will continue to be forced to live in substandard and unsafe conditions. Lowered morale will contribute to retention difficulties for the Air Force.</p> <p>ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. In accordance with the new standard the scope of 66 SM per module has been supplemented by an additional 4 SM per module to accommodate this four-story structure. An economic analysis has been prepared comparing the alternatives of new construction versus the status quo. Based upon the net present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project. BASE CIVIL ENGINEER: Lt Col Gordie Dickinson, 011-82-654-470-5400. FY 1996 Unaccompanied Housing RPM Conducted: \$1,100K. FY 1997 Unaccompanied Housing RPM Conducted: \$4,200K. Future Unaccompanied Housing RPM Requirement (estimated): FY 1998: \$6,300K, FY 1999: \$1,440K, FY 2000: \$1,470K, FY 2001: \$1,520K, FY 2002: \$1,550K, FY 2003: \$1,550K.</p> <p style="text-align: center;">246</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
KUNSAN AIR BASE, KOREA		
4. PROJECT TITLE		5. PROJECT NUMBER
DORMITORY		MLWR973087
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		97 MAR 26
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1998		35%
(d) Date 35% Designed.		97 JUL 08
(e) Date Design Complete		98 JUN 01
(2) Basis:		
(a) Standard or Definitive Design -		YES
(b) Where Design Was Most Recently Used -		KUNSAN
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		357
(b) All Other Design Costs		179
(c) Total		536
(d) Contract		402
(e) In-house		134
(4) Construction Start		99 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND			5. AREA CONST COST INDEX				
OSAN AIR BASE, KOREA				PACIFIC AIR FORCES			1.17				
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 97		541	4625	675				1084	4838	595	12,358
b. End FY 2003		545	4585	666				1084	4838	595	12,313
7. INVENTORY DATA (\$000)											
a. Total Acreage: (1,777)											
b. Inventory Total As Of: (30 SEP 97) 377,116											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 7,496											
e. Authorization Included In Following Program: (FY 2000) 12,100											
f. Planned In Next Three Program Years: 19,526											
g. Remaining Deficiency: 0											
h. Grand Total: 416,238											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
<u>CODE</u>								<u>START</u>		<u>C MPL</u>	
721-312		DORMITORY		156 PN		7,496		TURN KEY			
				TOTAL:		7,496					
9a. Future Projects: Included in the Following Program (FY 2000)											
721-312		DORMITORY		156 PN		12,100					
				TOTAL:		12,100					
9b. Future Projects: Typical Planned Next Three Years:											
721-312		DORMITORY		156 PN		10,804					
841-161		UPGRADE WATER DISTRIBUTION SYSTEM		LS		8,722					
10. Mission or Major Functions: The host fighter wing supports an F-16 squadron, an A/OA-10 squadron, and an airlift squadron (C-12J). The installation also hosts Headquarters, Seventh Air Force and a special operations squadron (MH-53J). Other major activities include a civil engineering heavy repair squadron (RED HORSE), and an Air Mobility Command air mobility support squadron; and an Air Combat Command reconnaissance squadron.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:										75	
b. Water pollution:										11	
c. Occupational safety and health:										750	
d. Other Environmental:										23	
12. Real Property Maintenance Backlog This Installation										88,446	

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1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION		4. PROJECT TITLE			
OSAN AIR BASE, KOREA		DORMITORY			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.75.96	721-312	SMYU963054R2	7,496		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (156 PN)		SM	5,500	866	4,763
SUPPORTING FACILITIES					1,940
UTILITIES		LS			(693)
PAVEMENTS		LS			(358)
SITE IMPROVEMENTS		LS			(351)
COMMUNICATIONS		LS			(48)
SPECIAL FOUNDATIONS		LS			(197)
ENVIRONMENTAL REMEDIATION		LS			(293)
SUBTOTAL					6,703
CONTINGENCY (5%)					335
TOTAL CONTRACT COST					7,038
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)					457
TOTAL REQUEST					7,495
TOTAL REQUEST (ROUNDED)					7,496
FCF BUDGET RATE USED: WON 1,342.4000					

10. Description of Proposed Construction: A four story building to consist of reinforced concrete foundation and floor slabs, masonry walls and roof. Includes room-bath/kitchen-room modules, laundry rooms, storage, lounge area, fire protection/detection systems, all utilities/HVAC to include a separate mechanical/utility building and necessary supporting facilities.
Air Conditioning: 259 KW. Grade Mix: 156 E1-E4.

11. REQUIREMENT: 4,486 PN ADEQUATE: 3,742 PN SUBSTANDARD: 98 PN
PROJECT: Construct a dormitory. (Current Mission)
REQUIREMENT: It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform.
CURRENT SITUATION: Osan Air Base is an unaccompanied remote tour installation which makes adequate housing on base essential for the safety and morale of assigned enlisted personnel. Presently Osan has a deficiency in living quarters for unaccompanied enlisted personnel, forcing airmen to live off-base and jeopardizing force protection and readiness initiatives. Additionally, airmen forced to live off-base are housed in inadequate quarters with substandard utilities, non-potable water and dangerous heating systems.
IMPACT IF NOT PROVIDED: The lack of adequate living quarters on base for unaccompanied enlisted personnel will continue to pose force protection risks and to decrease force readiness. Airmen stationed far from home and family will continue to be forced to live off-base in substandard and

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION OSAN AIR BASE, KOREA		
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER SMYU963054R2	
<p>unsafe quarters, further degrading morale, productivity, and career satisfaction. Lowered morale will contribute to retention difficulties for the Air Force.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. In accordance with the new standard, the standard scope of 66 SM per module has been supplemented by an additional 4 SM per module to accommodate this four story structure. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo. Based on the present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project. BASE CIVIL ENGINEER: Lt Col Paul Rojko, 011-82-333-661-4312. FY 1996 Unaccompanied Housing RPM Conducted: \$1,680K. FY 1997 Unaccompanied Housing RPM Conducted: \$1,070K. Future Unaccompanied Housing RPM Requirements (estimated): FY 1998: \$2,500K, FY 1999: \$2,520K, FY 2000: \$2,560K, FY 2001: \$2,600K, FY 2002: \$2,650K, FY 2003: \$2,700K.</p> <p style="text-align: center;">250</p>		

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION OSAN AIR BASE, KOREA		
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER SMYU963054R2	
12. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Project to be accomplished by one step turn key procedures (2) Basis: a) Standard or Definitive Design - YES b) Where Design Was Most Recently Used - OSAN (3) Design Allowance 450 (4) Construction Start 99 JAN b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION						4. COMMAND			5. AREA CONST		
INCIRLIK AIR BASE, TURKEY						UNITED STATES AIR FORCES IN EUROPE			COST INDEX 0.80		
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 97		203	1697	302				221	954	164	3,541
b. End FY 2003		117	1033	234				221	954	164	2,723
7. INVENTORY DATA (\$000)											
a. Total Acreage: (3,328)									
b. Inventory Total As Of: (30 SEP 97)										193,938	
c. Authorization Not Yet In Inventory:										0	
d. Authorization Requested In This Program:										2,949	
e. Authorization Included In Following Program: (FY 2000)										0	
f. Planned In Next Three Program Years:										4,900	
g. Total Inventory:										201,787	
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START	CMPL		
730-833		CENTRAL SECURITY CONTROL FACILITY		1,600 SM		2,949		OCT 97	JUL 98		
						TOTAL:		2,949			
9a. Future Projects: Included in the Following Program (FY 2000) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
141-753		SQUADRON OPERATIONS FACILITY		4,900 SM		4,900					
10. Mission or Major Functions: The host wing has no permanently assigned force structure but is responsible for regional logistics in Turkey and command and control of deployed forces. As a combined US/Turkish common defense facility, Incirlik AB supports a composite wing (provisional) with various types of aircraft and multinational forces engaged in OPERATION NORTHERN WATCH.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:										0	
b. Water pollution:										2,520	
c. Occupational safety and health:										80	
d. Other Environmental:										861	
12. Real Property Maintenance Backlog This Installation										29,435	

252

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA			2. DATE
AIR FORCE	(computer generated)			
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
INCIRLIK AIR BASE, TURKEY		CENTRAL SECURITY CONTROL FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
2.75.96	730-833	LJYC933008	2,949	

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
CENTRAL SECURITY CONTROL FACILITY	SM	1,600	1,300	2,080
SUPPORTING FACILITIES				557
UTILITIES/CHEMICAL-BIOLOGICAL PROTECT	LS			(345)
PAVEMENTS	LS			(105)
SITE IMPROVEMENTS	LS			(82)
DEMOLITION/ASBESTOS REMOVAL/DISPOSAL	SM	250	100	(25)
SUBTOTAL				2,637
CONTINGENCY (5%)				132
TOTAL CONTRACT COST				2,769
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				180
TOTAL REQUEST				2,949
TOTAL REQUEST (ROUNDED)				2,949

10. Description of Proposed Construction: Reinforced concrete, masonry walls, and pitched roof. Areas include: operations/communications, admin, armory, guard mount, ammunition storage, lockers/showers, and all specialty areas associated with security police requirements. Also includes chemical/biological and passive anti-terrorism protection, back-up power, demolition, and all required utilities and support. Air Conditioning: 152 KW.

11. REQUIREMENT: 1,600 SM ADEQUATE: 0 SUBSTANDARD: 252 SM
PROJECT: Construct a Central Security Control facility. (Current Mission)
REQUIREMENT: Provide an adequate facility to house the Close Defense Area Headquarters (CDAH), Base Defense Area Operations Center (BDOC), armory, guard mount and assembly area, and associated security police administration spaces. BDOC is required as the primary command and control center for US security forces for ground defense assigned to the Close Defense Area during contingency operations. The facility is required to be semi-hardened as well as chemically and biologically protected.
CURRENT SITUATION: The existing central security control facility is completely inadequate. The BDOC is extremely cramped and poorly designed, reducing the response time for emergency situations. There is no space for senior battle staff members to work when the BDOC is activated. Due to insufficient space, several other security police functions are dispersed throughout different facilities up to a half a mile away. Guard mount and assembly functions are performed outdoors and exposed to the harsh environment. The lack of administrative areas for flight sergeant and flight commander makes it difficult to assemble and dispatch security

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION INCIRLIK AIR BASE, TURKEY		
4. PROJECT TITLE CENTRAL SECURITY CONTROL FACILITY	5. PROJECT NUMBER LJYC933008	
<p>teams for emergency operations. The mechanical and electrical utilities and utility rooms are undersized. The existing armory was condemned because of structural failure. This function is now housed in a temporary building located in a NATO restricted area which is inadequate and causes delays in the security police's ability to respond to emergencies. Every time they enter this NATO restricted area, their vehicles must be searched and they must be escorted to pick up their weapons and equipment. Presently, there is no room for personnel to store their "street clothing" or to shower when changing shifts. This requirement is urgent since military personnel are not allowed to wear uniforms off-base due to security reasons. Two substandard facilities totaling 250 SM will be demolished as part of this project.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Current operations will continue to be hindered due to fragmented command and control. Security police will continue to be delayed in their responses to emergencies and guard mount functions. Assembly will continue to be performed outside, in the harsh environment.</p> <p><u>ADDITIONAL:</u> This project is not eligible for NATO funding. There is no criteria/scope for this project in Part II of the Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Handbook, 32-1084 "Facility Requirements". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo. Base on the net present values and benefits of the respective alternatives, new construction was found to be most cost efficient over the life of the project. BASE CIVIL ENGINEER: Maj Glen Pappas, 011-90-322-316-6423.</p>		

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1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
INCIRLIK AIR BASE, TURKEY		
4. PROJECT TITLE		5. PROJECT NUMBER
CENTRAL SECURITY CONTROL FACILITY		LJYC933008
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		97 OCT 15
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1998		35%
(d) Date 35% Designed.		98 JAN 15
(e) Date Design Complete		98 JUL 30
(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): (\$000)		
(a) Production of Plans and Specifications		177
(b) All Other Design Costs		88
(c) Total		265
(d) Contract		199
(e) In-house		66
(4) Construction Start		99 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE		FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)							2. DATE		
3. INSTALLATION AND LOCATION ROYAL AIR FORCE LAKENHEATH, UNITED KINGDOM					4. COMMAND UNITED STATES AIR FORCES IN EUROPE				5. AREA CONST COST INDEX 1.37		
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 97		518	4062	256				2	8	335	5,181
b. End FY 2003		512	3960	250				2	8	333	5,065
7. INVENTORY DATA (\$000)											
a. Total Acreage: (1,984)											
b. Inventory Total As Of: (30 SEP 97)											170,280
c. Authorization Not Yet In Inventory:											0
d. Authorization Requested In This Program:											15,838
e. Authorization Included In Following Program: (FY 2000)											15,850
f. Planned In Next Three Program Years:											21,193
g. Remainder Efficiency:											
h. Grand Total:											223,161
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY						COST		DESIGN		STATUS	
CODE	PROJECT TITLE			SCOPE		(\$000)	START	CMPL			
721-312	DORMITORIES			216 PN		15,838	APR 97	AUG 98			
						TOTAL:	15,838				
9a. Future Projects: Included in the Following Program (FY 2000)											
610-128	FORCE PROTECTION/OPS SPT COMPL			6,070 SM		15,850					
						TOTAL:	15,850				
9b. Future Projects: Typical Planned Next Three Years:											
131-111	COMMUNICATIONS FACILITY			2,500 SM		5,200					
141-786	MOBILITY PROCESSING/CARGO FAC			830 SM		1,500					
442-758	MATERIAL CONTROL CENTER			2,850 SM		5,703					
730-142	ADAL MAIN FIRE STATION			1,400 SM		3,560					
730-142	CRASH RESCUE FIRE STATION			790 SM		2,520					
10. Mission or Major Functions: The host fighter wing supports two dual-capable F-15E squadrons and one F-15C/D air superiority squadron. The wing also supports an Air Force regional hospital.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:											495
b. Water pollution:											1,372
c. Occupational safety and health:											44
d. Other Environmental:											14,159
12. Real Property Maintenance Backlog This Installation											93,044

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA			2. DATE
AIR FORCE	(computer generated)			
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
ROYAL AIR FORCE LAKENHEATH, UNITED KINGDOM		DORMITORIES		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
2.75.96	721-312	MSET953014	15,838	

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORIES (216 PN)	SM	7,000	1,800	12,600
SUPPORTING FACILITIES				2,116
UTILITIES	LS			(825)
PAVEMENTS	LS			(553)
SITE IMPROVEMENTS/BALLFIELD RELOCATION	LS			(443)
DEMOLITION/ASBESTOS REMOVAL/DISPOSAL	SM	2,250	131	(295)
SUBTOTAL				14,716
CONTINGENCY (5%)				736
TOTAL CONTRACT COST				15,452
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				386
TOTAL REQUEST				15,838
TOTAL REQUEST (ROUNDED)				15,838
FCF BUDGET RATE USED: POUND 0.6185				

10. Description of Proposed Construction: Two, three-story facilities with reinforced concrete foundation and floor slabs, masonry walls and pitched roof. Includes room-bath/kitchen-room modules, laundry room, storage, lounge, and supporting facilities to include passive anti-terrorism protection. Construction to include site improvements, utilities, demolition, and relocation of ballfields.
Air Conditioning: 329 KW. Grade Mix: 216 E1-E4.

11. REQUIREMENT: 1,310 PN ADEQUATE: 738 PN SUBSTANDARD: 117 PN
PROJECT: Construct two dormitories. (Current Mission)
REQUIREMENT: Project is required to eliminate the last two central gang latrine dormitories on RAF Lakenheath. A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform.
CURRENT SITUATION: There are currently not enough adequate dormitories to accommodate the unaccompanied enlisted personnel at RAF Lakenheath. There are 455 E1-E4 unaccompanied enlisted personnel forced to live off base in expensive private housing, detrimentally affecting readiness and force protection initiatives. Of the remaining personnel living on base, 117 live in substandard dormitories with central gang latrines, insufficient laundry rooms, and inadequate recreational and storage space. They have inadequate heat controls, insufficient insulation, and inferior noise attenuation. Antiquated room climate control and lack of air conditioning requires dormitory occupants to open windows for adequate ventilation.

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION ROYAL AIR FORCE LAKENHEATH, UNITED KINGDOM		
4. PROJECT TITLE DORMITORIES	5. PROJECT NUMBER MSET953014	
<p>This condition combined with close proximity to the flightline exacerbates noise problems. This project allows the elimination of the last two central gang latrine dormitories (117 PN total) from the installation's inventory: One dormitory (65 PN) will be demolished as part of this project and the second dormitory (52 PN) will be converted to another function through a separate O&M project.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Airmen stationed far from home and family will continue to be forced to live in substandard conditions, further degrading morale, productivity, and career satisfaction. Lowered morale will contribute to retention difficulties for the Air Force. The lack of on-base living quarters for unaccompanied enlisted airmen will continue to pose force protection risks and decrease force readiness capabilities.</p> <p><u>ADDITIONAL:</u> This project is not eligible for NATO funding. This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. 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. BASE CIVIL ENGINEER: LTC Andrew Scrafford 011-44-638-52-2100. FY 1996 Unaccompanied Housing RPM Conducted: \$1.0M FY 1997 Unaccompanied Housing RPM Conducted: \$6.55M. Future Unaccompanied Housing RPM Requirements (estimated): FY98=\$0.9M; FY99=\$0.92M; FY00=\$0.95M; FY01=\$0.98M; FY02=\$1.0M; FY03=\$1.04M.</p>		

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE																																																
3. INSTALLATION AND LOCATION ROYAL AIR FORCE LAKENHEATH, UNITED KINGDOM																																																		
4. PROJECT TITLE DORMITORIES	5. PROJECT NUMBER MSET953014																																																	
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <table border="0"> <tr> <td colspan="3">(1) Status:</td> </tr> <tr> <td>(a) Date Design Started</td> <td></td> <td>97 APR 01</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td></td> <td>N</td> </tr> <tr> <td>(c) Percent Complete as of Jan 1998</td> <td></td> <td>35%</td> </tr> <tr> <td>(d) Date 35% Designed.</td> <td></td> <td>97 JUL 15</td> </tr> <tr> <td>(e) Date Design Complete</td> <td></td> <td>98 AUG 01</td> </tr> <tr> <td colspan="3">(2) Basis:</td> </tr> <tr> <td>(a) Standard or Definitive Design -</td> <td></td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td></td> <td>N/A</td> </tr> <tr> <td colspan="3">(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</td> </tr> <tr> <td>(a) Production of Plans and Specifications</td> <td></td> <td>950</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td></td> <td>475</td> </tr> <tr> <td>(c) Total</td> <td></td> <td>1425</td> </tr> <tr> <td>(d) Contract</td> <td></td> <td>1069</td> </tr> <tr> <td>(e) In-house</td> <td></td> <td>356</td> </tr> <tr> <td>(4) Construction Start</td> <td></td> <td>99 JAN</td> </tr> </table> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(1) Status:			(a) Date Design Started		97 APR 01	(b) Parametric Cost Estimates used to develop costs		N	(c) Percent Complete as of Jan 1998		35%	(d) Date 35% Designed.		97 JUL 15	(e) Date Design Complete		98 AUG 01	(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): (\$000)			(a) Production of Plans and Specifications		950	(b) All Other Design Costs		475	(c) Total		1425	(d) Contract		1069	(e) In-house		356	(4) Construction Start		99 JAN
(1) Status:																																																		
(a) Date Design Started		97 APR 01																																																
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1. COMPONENT										2. DATE		
AIR FORCE										FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)		
3. INSTALLATION AND LOCATION					4. COMMAND					5. AREA CONST		
ROYAL AIR FORCE MILDENHALL, UNITED KINGDOM					UNITED STATES AIR FORCES IN EUROPE					COST INDEX 1.38		
6. PERSONNEL STRENGTH			PERMANENT			STUDENTS			SUPPORTED			
			OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 97			394	3482	215				13	27	3	4,134
b. End FY 2003			387	3513	231				13	27	3	4,174
7. INVENTORY DATA (\$000)												
a. Total Acreage: (1,121)												
b. Inventory Total As Of: (30 SEP 97) 144,100												
c. Authorization Not Yet In Inventory: 0												
d. Authorization Requested In This Program: 24,960												
e. Authorization Included In Following Program: (FY 2000) 6,450												
f. Planned In Next Three Program Years: 34,650												
g. Remaining Deficiency: 0												
h. Grand Total: 10,150												
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999												
CATEGORY												
CODE	PROJECT TITLE					SCOPE	COST (\$000)	DESIGN START	STATUS CMPL			
141-753	KC-135 SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNITS FAC					6,625 SM	14,034	FEB 97	SEP 98			
721-312	DORMITORY					144 PN	10,926	APR 97	APR 98			
TOTAL:							24,960					
9a. Future Projects: Included in the Following Program (FY 2000)												
141-456	OPERATIONS SUPPORT FACILITY					1,300 SM	3,200					
171-212	KC-135 FLIGHT SIMULATOR FAC					550 SM	2,250					
442-257	HAZMAT STORAGE FACILITY					4,000 SM	1,000					
TOTAL:							6,450					
9b. Future Projects: Typical Planned Next Three Years:												
113-321	NORTH RAMP EXTENSION					100,000 SM	8,000					
130-142	FIRE STATION					2,250 SM	4,750					
141-786	MOBILITY PROCESSING CENTER					2,800 SM	4,500					
149-962	CONTROL TOWER/BASE OPERATIONS					1,550 SM	2,200					
218-852	FABRICATIONS SHOP					3,550 SM	7,100					
10. Mission or Major Functions: The host air refueling wing supports a KC-135 squadron and the European Tanker Task Force. RAF Mildenhall also hosts Headquarters Third Air Force and a Special Operations Group of MH-53 and MC-130H/P aircraft.												
11. Outstanding pollution and safety (OSHA) deficiencies:												
a. Air pollution:										0		
b. Water pollution:										545		
c. Occupational safety and health:										0		
d. Other Environmental:										7,400		
12. Real Property Maintenance Backlog This Installation										79,792		

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
AIR FORCE						
3. INSTALLATION AND LOCATION			4. PROJECT TITLE			
ROYAL AIR FORCE MILDENHALL, UNITED KINGDOM			KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNITS FAC			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)			
2.75.96	141-753	QFQE943015	14,034			
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNITS FAC		SM	6,625		11,180	
SQUAD OPS/AMU		SM	5,500	1,704	(9,372)	
OPERATIONS SUPPORT		SM	800	1,610	(1,288)	
GROUP HEADQUARTERS		SM	325	1,600	(520)	
SUPPORTING FACILITIES					1,860	
UTILITIES		LS			(760)	
PAVEMENTS		LS			(680)	
SITE IMPROVEMENTS		LS			(420)	
SUBTOTAL					13,040	
CONTINGENCY (5%)					652	
TOTAL CONTRACT COST					13,692	
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)					342	
TOTAL REQUEST					14,034	
TOTAL REQUEST (ROUNDED)					14,034	
FCF BUDGET RATE USED: POUND 0.6185						
10. Description of Proposed Construction: Two-story facility with concrete foundation, external brick finish, sloped roof system, fire protection system, utilities, passive anti-terrorism protection, site improvements/parking, and all necessary support. Air Conditioning: 629 KW.						
11. REQUIREMENT: 6,625 SM ADEQUATE: 0 SUBSTANDARD: 2,992 SM PROJECT: Construct a KC-135 Squadron Operations/Aircraft Maintenance Unit (Squad Ops/AMU) facility. (Current Mission) REQUIREMENT: A consolidated operations group complex is needed to centralize KC-135 squadron operations/aircraft maintenance unit (Sq Ops/AMU), operations support squadron functions, and operations group command section. The consolidation relocates flyers and maintainers out of undersized, temporary, and dispersed facilities into a functional and adequately sized building sited adjacent to the flightline to facilitate support of mission aircraft. Space is required for the operations group commander and staff, Squad Ops/AMU management support to include the European Tanker Task Force mission, briefing/debriefing, flight planning, training, safety, tool rooms, bench stock, life support, locker rooms, and the mobility office. Additional space is required for select operations support squadron functions to include command section, intelligence flight, and weather. CURRENT SITUATION: There are no adequate facilities to support tanker consolidated squadron operations and aircraft maintenance unit operations at RAF Mildenhall. Existing operations are conducted in substandard, inadequately sized, and improperly configured facilities. Operations personnel work out of six facilities (two temporary) far from supporting						

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION ROYAL AIR FORCE MILDENHALL, UNITED KINGDOM		
4. PROJECT TITLE KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNITS FAC	5. PROJECT NUMBER QFQE943015	
<p>functions. The AMU operates out of a converted hangar unsuitably configured for required use. Life Support is in a third area with only half of the required space. This physical separation, up to 5 kilometers, creates fragmented lines of communication and authority. All existing permanent facilities will be transferred to house more appropriate requirements.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The unit will remain scattered in outdated, undersized, substandard facilities. Lines of communication and authority will continue to be hampered impacting the cohesiveness necessary to become an efficient and effective operational unit. Essential operations and logistic functions will continue to require additional work-arounds that will degrade mission performance. Additional temporary space will need to be procured to fulfill unit space requirements. Unit members will continue to travel the 5 kilometers between facilities to accomplish the mission. Implementation of key base facility utilization study recommendations will not be possible.</p> <p><u>ADDITIONAL:</u> This project is not eligible for NATO funding. The criteria/scope of this project was derived from AFH 32-1084, Facility Requirements Handbook and Air Mobility Command Consolidated Squadron Operations/Aircraft Maintenance Unit Design Guide. A preliminary analysis of reasonable options for accomplishing this project (status quo, addition/alteration, and new construction) was done. It indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: LTC Seb Romano, 011-44-638-54-2205.</p>		

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1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE																																																
3. INSTALLATION AND LOCATION ROYAL AIR FORCE MILDENHALL, UNITED KINGDOM																																																		
4. PROJECT TITLE KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNITS FAC	5. PROJECT NUMBER QFQE943015																																																	
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <table border="0"> <tr> <td colspan="3">(1) Status:</td> </tr> <tr> <td>(a) Date Design Started</td> <td></td> <td>97 FEB 01</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td></td> <td>N</td> </tr> <tr> <td>(c) Percent Complete as of Jan 1998</td> <td></td> <td>35%</td> </tr> <tr> <td>(d) Date 35% Designed.</td> <td></td> <td>97 JUN 15</td> </tr> <tr> <td>(e) Date Design Complete</td> <td></td> <td>98 SEP 30</td> </tr> <tr> <td colspan="3">(2) Basis:</td> </tr> <tr> <td>(a) Standard or Definitive Design -</td> <td></td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td></td> <td>N/A</td> </tr> <tr> <td colspan="3">(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</td> </tr> <tr> <td>(a) Production of Plans and Specifications</td> <td></td> <td>842</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td></td> <td>421</td> </tr> <tr> <td>(c) Total</td> <td></td> <td>1263</td> </tr> <tr> <td>(d) Contract</td> <td></td> <td>947</td> </tr> <tr> <td>(e) In-house</td> <td></td> <td>316</td> </tr> <tr> <td>(4) Construction Start</td> <td></td> <td>99 JAN</td> </tr> </table> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(1) Status:			(a) Date Design Started		97 FEB 01	(b) Parametric Cost Estimates used to develop costs		N	(c) Percent Complete as of Jan 1998		35%	(d) Date 35% Designed.		97 JUN 15	(e) Date Design Complete		98 SEP 30	(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): (\$000)			(a) Production of Plans and Specifications		842	(b) All Other Design Costs		421	(c) Total		1263	(d) Contract		947	(e) In-house		316	(4) Construction Start		99 JAN
(1) Status:																																																		
(a) Date Design Started		97 FEB 01																																																
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(d) Date 35% Designed.		97 JUN 15																																																
(e) Date Design Complete		98 SEP 30																																																
(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): (\$000)																																																		
(a) Production of Plans and Specifications		842																																																
(b) All Other Design Costs		421																																																
(c) Total		1263																																																
(d) Contract		947																																																
(e) In-house		316																																																
(4) Construction Start		99 JAN																																																

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
ROYAL AIR FORCE MILDENHALL, UNITED KINGDOM			DORMITORY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.75.96	721-312	QFQE973010	10,926		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (144 PN)		SM	4,750	1,809	8,593
SUPPORTING FACILITIES					1,558
UTILITIES		LS			(341)
PAVEMENTS		LS			(299)
SITE IMPROVEMENTS		LS			(228)
REPLACE INCIDENT FACILITY		LS			(663)
DEMOLITION/ASBESTOS REMOVAL/DISPOSAL		SM	325	83	(27)
SUBTOTAL					10,151
CONTINGENCY (5%)					508
TOTAL CONTRACT COST					10,659
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)					266
TOTAL REQUEST					10,925
TOTAL REQUEST (ROUNDED)					10,926
FCF BUDGET RATE USED: POUND 0.6185					
10. Description of Proposed Construction: A three-story facility with reinforced concrete foundation/slabs, masonry walls, and pitched roof. Includes room-bath/kitchen-room modules, lounge, linen exchange, laundry and storage rooms, exterior balcony entrances, passive anti-terrorism protection, utilities, and site improvements. Also includes demolition and the replacement of a facility to clear the site for this construction. Air Conditioning: 223 KW. Grade Mix: 144 E1-E4.					
11. REQUIREMENT: 972 PN ADEQUATE: 631 PN SUBSTANDARD: 60 PN PROJECT: Construct a dormitory. (Current Mission) REQUIREMENT: Project is required to eliminate the last central gang latrine dormitory on RAF Mildenhall. A major Air Force objective provides unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Additionally, a replacement facility is required to house the base audio visual and photo lab functions currently working out of a substandard facility which must be demolished to clear the site for this dormitory construction. CURRENT SITUATION: There are currently not enough adequate dormitories to accommodate the unaccompanied enlisted personnel at RAF Mildenhall. There are 281 E1-E4 unaccompanied enlisted personnel forced to live off base in expensive private housing, detrimentally affecting readiness and force protection initiatives. Of the remaining personnel living on base, approximately 60 live in substandard dormitories with central gang latrines, inadequate heating controls, and insufficient noise attenuation.					

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
ROYAL AIR FORCE MILDENHALL, UNITED KINGDOM		
4. PROJECT TITLE	5. PROJECT NUMBER	
DORMITORY	QFQE973010	
<p><u>IMPACT IF NOT PROVIDED:</u> Airmen stationed far from home and family will continue to be forced to live in substandard conditions further degrading their morale, productivity, and career satisfaction. Lowered morale will contribute to retention difficulties for the Air Force. The lack of on-base living quarters for unaccompanied enlisted airmen will continue to pose force protection risks and decreased force readiness capabilities.</p> <p><u>ADDITIONAL:</u> This project is not eligible for NATO funding. This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. 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. FY 1996 Unaccompanied Housing RPM Conducted: \$8.6M. FY 1997 Unaccompanied Housing RPM Conducted: \$2.785M. Future Unaccompanied Housing RPM Requirements (Estimated): FY98=\$3.523M; FY99=\$1.569M; FY00=\$1.616M; FY01=\$1.664M; FY02=\$1.714M; FY03=\$1.766M.</p> <p>BASE CIVIL ENGINEER: LtCol Seb Romano, 011-44-638-54-2205.</p>		

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE																																																
3. INSTALLATION AND LOCATION ROYAL AIR FORCE MILDENHALL, UNITED KINGDOM																																																		
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER QFQE973010																																																	
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <table border="0"> <tr> <td colspan="3">(1) Status:</td> </tr> <tr> <td>(a) Date Design Started</td> <td></td> <td>97 APR 01</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td></td> <td>N</td> </tr> <tr> <td>(c) Percent of Design Complete (Jan 1998)</td> <td></td> <td>5%</td> </tr> <tr> <td>(d) Date 35% Designed.</td> <td></td> <td>97 JUL 15</td> </tr> <tr> <td>(e) Date Design Complete</td> <td></td> <td>98 APR 01</td> </tr> <tr> <td colspan="3">(2) Basis:</td> </tr> <tr> <td>(a) Standard or Definitive Design -</td> <td></td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td></td> <td>N/A</td> </tr> <tr> <td colspan="3">(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</td> </tr> <tr> <td>(a) Production of Plans and Specifications</td> <td></td> <td>656</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td></td> <td>328</td> </tr> <tr> <td>(c) Total</td> <td></td> <td>984</td> </tr> <tr> <td>(d) Contract</td> <td></td> <td>738</td> </tr> <tr> <td>(e) In-house</td> <td></td> <td>246</td> </tr> <tr> <td>(4) Construction Start</td> <td></td> <td>99 JAN</td> </tr> </table> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> <p>266</p>			(1) Status:			(a) Date Design Started		97 APR 01	(b) Parametric Cost Estimates used to develop costs		N	(c) Percent of Design Complete (Jan 1998)		5%	(d) Date 35% Designed.		97 JUL 15	(e) Date Design Complete		98 APR 01	(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): (\$000)			(a) Production of Plans and Specifications		656	(b) All Other Design Costs		328	(c) Total		984	(d) Contract		738	(e) In-house		246	(4) Construction Start		99 JAN
(1) Status:																																																		
(a) Date Design Started		97 APR 01																																																
(b) Parametric Cost Estimates used to develop costs		N																																																
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(d) Contract		738																																																
(e) In-house		246																																																
(4) Construction Start		99 JAN																																																

**PLANNING AND
DESIGN**

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)							2. DATE		
AIR FORCE											
3. INSTALLATION AND LOCATION					4. COMMAND			5. AREA CONST COST INDEX			
VARIOUS LOCATIONS								0.00			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 97											
b. End FY 2003											
7. INVENTORY DATA (\$000)											
a. Total Acreage: (0)											
b. Inventory Total As Of: (30 SEP 97) 0											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 42,727											
e. Authorization Included In Following Program: (FY 2000) 52,987											
f. Planned In Next Three Program Years: 190,580											
g. Remaining Deficiency: 0											
h. Grand Total: 286,294											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
<u>CODE</u>								<u>START</u>		<u>CMPL</u>	
010-211		UNSPECIFIED MINOR CONSTRUCTION		LS		7,135					
010-211		PLANNING AND DESIGN		LS		35,592					
				TOTAL:		42,727					
9a. Future Projects: Included in the Following Program (FY 2000)											
010-211		PLANNING AND DESIGN		LS		42,697					
010-211		UNSPECIFIED MINOR CONSTRUCTION		LS		10,290					
				TOTAL:		52,987					
9b. Future Projects: Typical Planned Next Three Years:											
010-211		PLANNING AND DESIGN		LS		51,243					
010-211		UNSPECIFIED MINOR CONSTRUCTION		LS		10,673					
010-211		PLANNING AND DESIGN		LS		52,797					
010-211		UNSPECIFIED MINOR CONSTRUCTION		LS		11,002					
010-211		PLANNING AND DESIGN		LS		53,484					
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:										0	
b. Water pollution:										0	
c. Occupational safety and health:										0	
d. Other Environmental:										0	
12. Real Property Maintenance Backlog This Installation 0											

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
VARIOUS LOCATIONS	PLANNING AND DESIGN

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
9.12.11	010-211	PAYZ988099	35,592

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PLANNING AND DESIGN	LS			35,592
SUBTOTAL				35,592
TOTAL CONTRACT COST				35,592
TOTAL REQUEST				35,592
TOTAL REQUEST (ROUNDED)				35,592

10. Description of Proposed Construction: The funds requested will be used to provide financing for architectural and engineering services and construction design for Air Force Military Construction and host nation funded construction programs.

11. REQUIREMENT: As required.
REQUIREMENT: These planning and design funds are required to complete the design of facilities in the FY00 Military Construction Program, initiate design of facilities in the FY01 Military Construction Program and accomplish planning and design for major and complex technical projects with a long lead-time to be included in subsequent Military Construction Programs. Also provides funds for value engineering and for the support of design and construction management of projects that are funded by foreign governments and for design of classified and special programs.

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**UNSPECIFIED MINOR
CONSTRUCTION**

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)							2. DATE		
AIR FORCE											
3. INSTALLATION AND LOCATION					4. COMMAND			5. AREA CONST COST INDEX			
VARIOUS LOCATIONS								0.00			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 97											
b. End FY 2003											
7. INVENTORY DATA (\$000)											
a. Total Acreage: (0)											
b. Inventory Total As Of: (30 SEP 97)											0
c. Authorization Not Yet In Inventory:											0
d. Authorization Requested In This Program:											42,727
e. Authorization Included In Following Program: (FY 2000)											52,987
f. Planned In Next Three Program Years:											190,580
g. Remaining Deficiency:											0
h. Grand Total:											286,294
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY							COST	DESIGN STATUS			
CODE	PROJECT TITLE	SCOPE					(\$000)	START	CMPL		
010-211	UNSPECIFIED MINOR CONSTRUCTION	LS					7,135				
010-211	PLANNING AND DESIGN	LS					35,592				
						TOTAL:	42,727				
9a. Future Projects: Included in the Following Program (FY 2000)											
010-211	PLANNING AND DESIGN	LS					42,697				
010-211	UNSPECIFIED MINOR CONSTRUCTION	LS					10,290				
						TOTAL:	52,987				
9b. Future Projects: Typical Planned Next Three Years:											
010-211	PLANNING AND DESIGN	LS					51,243				
010-211	UNSPECIFIED MINOR CONSTRUCTION	LS					10,673				
010-211	PLANNING AND DESIGN	LS					52,797				
010-211	UNSPECIFIED MINOR CONSTRUCTION	LS					11,002				
010-211	PLANNING AND DESIGN	LS					53,484				
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:											0
b. Water pollution:											0
c. Occupational safety and health:											0
d. Other Environmental:											0
12. Real Property Maintenance Backlog This Installation											0

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
VARIOUS LOCATIONS			UNSPECIFIED MINOR CONSTRUCTION		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
9.12.11	010-211	PAYZ924015G	7,135		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
UNSPECIFIED MINOR CONSTRUCTION		LS			7,135
SUBTOTAL					7,135
TOTAL CONTRACT COST					7,135
TOTAL REQUEST					7,135
TOTAL REQUEST (ROUNDED)					7,135
10. Description of Proposed Construction: Provide a lump sum amount for unspecified construction projects not otherwise authorized by law. Minor construction projects costing less than these limits are authorized to be funded from the operations and maintenance appropriation. Includes construction, alteration, or conversion of permanent or temporary facilities.					
11. REQUIREMENT: As required. REQUIREMENT: Minor construction projects authorized by 10 U. S. Code 2805 are military construction projects with an estimated funded cost between \$500,000 and \$1,500,000; however projects with an estimated funded cost of \$1,000,000 to \$3,000,000 may be funded under this authority when specifically planned to correct a life, health or safety deficiency. This package provides a means of accomplishing urgent projects that are not identified but which are anticipated to arise during FY99. Included would be projects to support new mission requirements, support of new equipment and concepts, and other essential support to Air Force missions and functions that could not wait until availability of FY00 Military Construction Program funds.					
270					

**WORKING CAPITAL
FUNDS**

1

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE (CAPITAL WORKING FUND)		
ROBINS AIR FORCE BASE, GEORGIA			DEPOT PLANT SERVICES FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
7.28.96	211-154	UHHZ880013	11,894		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DEPOT PLANT SERVICES FACILITY		SM	8,600		8,360
AIRCRAFT ORGANIZATIONAL MAINTENANCE STORAGE		SM	8,000	1,000	(8,000)
		SM	600	600	(360)
SUPPORTING FACILITIES					2,335
UTILITIES		LS			(630)
PAVEMENTS		LS			(450)
SITE IMPROVEMENTS		LS			(240)
DEMOLITION/ASBESTOS ABATEMENT		SM	8,500	110	(935)
COMMUNICATIONS SUPPORT		LS			(80)
SUBTOTAL					10,695
CONTINGENCY (5%)					535
TOTAL CONTRACT COST					11,230
SUPERVISION, INSPECTION AND OVERHEAD (6%)					674
TOTAL REQUEST					11,904
TOTAL REQUEST (ROUNDED)					11,894
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(430)

10. Description of Proposed Construction: Concrete floor slab and footings, steel frame, masonry walls, and roof system. Includes HVAC, utilities, required support, demolition and asbestos abatement of six buildings totaling 8,500 SM.
Air Conditioning: 400 KW.

11. REQUIREMENT: 8,600 SM ADEQUATE: 0 SUBSTANDARD: 8,500 SM
PROJECT: Construct a depot plant services facility. (Current Mission)
REQUIREMENT: Provide a facility that consolidates repair and maintenance of industrial equipment and plant distribution systems, equipment and facility engineering support, installation, vehicle control, and the control and distribution of tools and tool kits. All of these functions support depot maintenance of the F-15, C-130, C-141 aircraft, avionics, gyro and electronic warfare systems, as well as repair and manufacturing processes of the Technology and Industrial Support Directorate. Consolidation will streamline operations, eliminate facilities with safety and fire deficiency reports, and reduce maintenance and utility costs.
CURRENT SITUATION: The depot plant services' functions are currently located in substandard facilities considered unsuited for efficient use in support of the base mission. Operations are dispersed throughout the base in ten facilities which have documented fire and safety hazards. Six of these ten buildings require excessive maintenance. Walls and trusses in several buildings have failed and have been shored-up; bridge cranes in several buildings have been abandoned because columns and trusses cannot support required loads. Electrical demands exceed supply, electrical conduits crisscross wood trusses and columns, and any fire would quickly spread. These facilities are not well insulated and work areas cannot be

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE DEPOT PLANT SERVICES FACILITY	5. PROJECT NUMBER UHHZ880013	
<p>efficiently or economically modified for heating or cooling requirements. Paint and welding booths are not fireproof and sheet metal has been attached to wooden walls to lessen (but not eliminate) the risk of fire. Half of the loading docks are unuseable because they were designed for the transfer of materials onto and off the trains; however, trains are no longer used to deliver materials to the base. Forklifts are restricted because of low ceilings and close column spacing. Dispersal of the workforce creates work flow problems and wastes manpower. Transporting supplies, parts and tools from one building to another is inefficient. This project will demolish six buildings totaling 8,500 SM. In addition, 140 SM will be mothballed and 830 SM will be transferred to another user.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Uneconomical repairs and modifications to existing buildings will continue. Documented fire safety hazards will continue. Dispersal of the workforce will continue to reduce worker productivity, and energy costs will continue to be excessive, resulting in deterioration of mission support to critical Air Force Weapon Systems.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". An economic analysis has been prepared comparing the alternatives of new construction, renovation, 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 requirement for this project was validated by the Joint Service Depot Maintenance Industrial Military Construction Review Board in May 93. BASE CIVIL ENGINEER: Col John W. Mogge, (912) 926-3093.</p> <p style="text-align: center;">272</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE	
AIR FORCE			
3. INSTALLATION AND LOCATION			
ROBINS AIR FORCE BASE, GEORGIA			
4. PROJECT TITLE	5. PROJECT NUMBER		
DEPOT PLANT SERVICES FACILITY	UHHZ880013		
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Project to be accomplished by one step turn key procedures			
(2) Basis:			
(a) Standard or Definitive Design -		NO	
(b) Where Design Was Most Recently Used -		N/A	
(3) Design Allowance		358	
(4) Construction Start		99 JAN	
b. Equipment associated with this project will be provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
INITIAL OUTFITTING EQUIPMENT		FY99	430

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 1999 BUDGET REQUEST

NARRATIVE SUMMARY

This Military Family Housing request supports the Congressional emphasis on providing excellent housing for all military members and their families and that continual improvement in quality is the measure of excellence. We depend first on the local community to meet our housing needs. When local community housing is not available, we will construct military family housing which meets contemporary community living standards. This budget requests funds to operate and maintain our inventory at a standard that protects from asset deterioration, and maintains the quality level established by Congressional appropriations and guidance. Our goal is to provide quality homes that meet contemporary whole-house standards.

Family housing is one of the most important quality of life issues in the Air Force. Improving or replacing our aging housing inventory is our top facility priority. Our military members and their families expect and deserve homes which meet current standards of livability. In the era of downsized forces, we cannot risk losing highly-trained, experienced Air Force members because of poor housing. Small investments in quality family housing pay great dividends in retaining trained, responsible, ready Air Force members. We cannot afford to let our existing military family housing inventory deteriorate or fail to modernize it to contemporary standards to achieve quality of life incentives, so that we retain highly trained, motivated members.

This budget provides a balanced program between construction, operations, maintenance, and lease funding. The construction funding level indicates the Air Force's commitment to replace or revitalize our existing inventory to meet contemporary standards. We are concentrating on our oldest homes and improving or replacing where economically justifiable. We continue to propose projects that provide new support facilities at installations with the greatest need.

The operations, day-to-day maintenance and leasing accounts predominately support "must pay" requirements such as service contracts, lease contracts, utilities, and required maintenance for the cost of ownership to keep existing homes open and occupied. The maintenance account also supports our goal to arrest, then eliminate, deferred maintenance and repair (DMAR) growth as much as possible within our fiscal constraints. Unfortunately to date we have not eliminated DMAR. The Air Force is committed to the development of private sector-funded housing revitalization where it makes economic sense.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 1999 BUDGET REQUEST

Current funding levels do not support the required revitalization schedule projected by the Air Force, directly impacting quality of life, retention, and ultimately readiness. Private sector investments will speed the revitalization of family housing and provide safe, comfortable housing for service members without government investment above current Military Family Housing funding. It may be necessary to use many different approaches to meet family housing needs.

The business climate at some locations may not support establishment of privatized housing areas. To help provide the most reliable information to decisionmakers, the Air Force has initiated a Family Housing Master Plan. The Master Plan will define the most effective housing strategy and associated costs. It will integrate construction, operations and maintenance, and privatization efforts to build new, revitalize, continue to maintain, or privatize each asset to achieve optimal life cycle costs.

Lackland AFB, Texas and Robins AFB, Georgia are in the forefront of the Air Force's housing privatization process:

At Lackland AFB, a project appears feasible to privatize 272 enlisted housing units on base. The contractor will be charged with revitalizing, maintaining, and providing services for the 272 families eventually housed in this development. Members who choose to accept housing in the privatized neighborhood will forfeit their entitlements as they currently do to live in housing on base. The contractor will receive the equivalent of each family's entitlements as "rent". The Air Force will pay for utilities for the privatized units outside the deal.

The Air Force is developing a privatization project for 670 units on a geographically separated off-base site at Robins AFB. Member's forfeited entitlements will make up the contractor's income stream. In this proposed agreement, the contractor will provide utilities to the occupants. In keeping with Office of Management and Budget guidance, the contractor will not be reimbursed for utilities for privatized units outside the agreement in future projects, so each future privatization project will follow the Robins model, not the Lackland model.

While austere, we believe this funding profile represents a well balanced, fiscally constrained program that achieves quality of life goals for military families within the budget request. We respectfully request full support for the Air Force family housing needs presented herein.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 1999 BUDGET REQUEST

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DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 1999 BUDGET REQUEST

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DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 1999 BUDGET REQUEST

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MILITARY FAMILY HOUSING
FISCAL YEAR 1999 BUDGET REQUEST

FY 1999 FINANCIAL SUMMARY

AUTHORIZATION FOR APPROPRIATION REQUESTED FOR FY 1999:

<u>FUNDING PROGRAM FY 1999</u>	<u>(\$000)</u>
Construction	132,915
Post-Acquisition Construction	81,778
Advance Planning and Design	<u>11,342</u>
<u>Appropriation Request: Construction</u>	226,035
Operations, Utilities and Maintenance	671,892
Operating Expenses	131,019
Utilities	152,214
Maintenance	388,659
Leasing - Worldwide	118,071
Debt Payment	32
Premiums for Servicemen's Mortgage Insurance Coverage	
<u>Appropriation Request: O&M Leasing, and Debt Payment</u>	<u>789,995</u>
<u>Appropriation Request</u>	<u>1,016,030</u>
Reimbursement Program	<u>9,400</u>
 FY 1999 FAMILY HOUSING PROGRAM	 <u>1,025,430</u>

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 1999 BUDGET REQUEST

FY 1999 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:

<u>STATE</u>	<u>INSTALLATION</u>	<u>PURPOSE</u>	<u>AMOUNT</u>
Alabama	Maxwell AFB	143 Units	\$16,300,000
Alaska	Eielson AFB	46 Units	\$12,932,000
California	Edwards AFB	48 Units	\$12,580,000
	Vandenberg AFB	95 Units	\$18,499,000
Delaware	Dover AFB	55 Units	\$ 8,998,000
Florida	MacDill AFB	48 Units	\$ 7,609,000
	Patrick AFB	46 Units	\$ 9,692,000
	Tyndall AFB	122 Units	\$14,500,000
Nebraska	Offutt AFB	90 Units	\$12,212,000
	Offutt AFB	Housing Ofc	\$ 870,000
	Offutt AFB	Housing Maint Facility	\$ 900,000
New Mexico	Kirtland AFB	37 Units	\$ 6,400,000
Ohio	Wright-Patterson AFB	40 Units	\$ 5,600,000
Texas	Dyess AFB	64 Units	\$9,415,000
Washington	Fairchild AFB	14 Units	\$ 2,300,000
	Fairchild AFB	Housing Ofc and Maintenance Fac	\$ 1,692,000

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 1999 BUDGET REQUEST

(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 \$11,342,000

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 \$81,778,000.

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, \$226,035,000.

(B) For support of military family housing (including functions described in section 2833 of Title 10, United States Code), \$789,995,000.

FY 1999 Appropriation Language

For expenses of family housing for the Air Force for construction, including acquisition, replacement, addition, expansion, extension and alteration and for operations and maintenance, including debt payment, leasing, minor construction, and insurance premiums, as authorized by law as follows: for [FY98] FY99 Construction, [\$293,709,000) \$226,035,000, for Operation and Maintenance, and Debt Payment[\$817,534,000] \$789,995,000; in all [\$1,111,243,000] \$1,016,030,000: Provided: That the amount for construction shall remain available until September 30, [2003] 2004.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 1999 BUDGET REQUEST

FY 1999 NEW/CURRENT MISSION ACTIVITIES

In compliance with the Senate Appropriations Committee Report (100-380) on the FY 1989 Military Construction Appropriation Act, the Air Force has included the following exhibit that displays construction projects requested 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.

<u>LOCATION</u>	<u>MISSION</u>	<u>NUMBER OF UNITS</u>	<u>REQUESTED AUTHORIZATION AMOUNT (\$000)</u>
<u>NEW CONSTRUCTION</u>			
Dyess AFB TX	Current	64	9,415
<u>REPLACEMENT HOUSING</u>			
Maxwell AFB AL	Current	143	16,300
Eielson AFB AK	Current	46	12,932
Edwards AFB CA	Current	48	12,580
Vandenberg AFB CA	Current	95	18,499
Dover AFB DE	Current	55	8,998
MacDill AFB FL	Current	48	7,609
Patrick AFB FL	Current	46	9,692
Tyndall AFB FL	Current	122	14,500
Offutt AFB NE	Current	90	12,212
Kirtland AFB NM	Current	37	6,400
Wright-Patterson AFB OH	Current	40	5,600
Fairchild AFB WA	Current	14	2,300
<u>SUPPORT FACILITIES</u>			
Offutt AFB NE	Current	HSG Office	870
Offutt AFB NE	Current	HSG Maint Facility	900
Fairchild AFB WA	Current	HSG Office and Maint Facility	<u>1,692</u>

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 1999 BUDGET REQUEST

	<u>REQUESTED AUTHORIZATION AMOUNT (\$000)</u>
CURRENT MISSION TOTAL	140,449
IMPROVEMENTS	81,778
PLANNING AND DESIGN	<u>11,342</u>
GRAND TOTAL	233,619

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 1999 BUDGET REQUEST

FY 1999 NEW CONSTRUCTION

Program (In Thousands)

FY 1999 Program \$140,499
FY 1998 Program \$159,943

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 of \$140,499,000 is requested for: Construction of 64 new units, replacement of 784 units and 3 support facilities.

A summary of the funding program for FY 1999 is as follows:

<u>AUTHORIZATION Type/Locations</u>	<u>Mission</u>	<u>Number of Units</u>	<u>Requested Amount (\$000)</u>
<u>New Housing</u>			
Dyess AFB TX	Current	64	9,415
<u>Replacement Housing</u>			
Maxwell AFB AL	Current	143	16,300
Eielson AFB AK	Current	46	12,932
Edwards AFB CA	Current	48	12,580
Vandenberg AFB CA	Current	95	18,499
Dover AFB DE	Current	55	8,998
MacDill AFB FL	Current	48	7,609
Patrick AFB FL	Current	46	9,692
Tyndall AFB FL	Current	122	14,500
Offutt AFB NE	Current	90	12,212
Kirtland AFB NM	Current	37	6,400
Wright-Patterson AFB OH	Current	40	5,600
Fairchild AFB WA	Current	14	2,300

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 1999 BUDGET REQUEST

Support Facilities

Offutt AFB NE	Housing Office	870
Offutt AFB NE	Housing Maint Facility	900
Fairchild AFB WA	Housing Office & Maint Ofc	<u>1,692</u>
CURRENT MISSION NEW CONSTRUCTION TOTAL		140,449
IMPROVEMENTS		81,778
PLANNING AND DESIGN		<u>11,342</u>
GRAND TOTAL		233,619

Appropriation of \$132,915,000 is requested to partially fund the FY1999 New Construction Program. The remaining \$7,584,000 is derived from prior year savings.

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)									2. DATE																								
AIR FORCE																																		
3. INSTALLATION AND LOCATION						4. COMMAND			5. AREA CONST																									
MAXWELL AIR FORCE BASE, ALABAMA						AIR EDUCATION AND TRAINING COMMAND			COST INDEX 0.84																									
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED																										
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL																							
a. As of 30 SEP 97		1009	1671	1580	438	2		1092	46	112	5,950																							
b. End FY 2003		989	1687	1551	438	2		1092	46	112	5,917																							
7. INVENTORY DATA (\$000)																																		
a. Total Acreage: (3,497)																																		
b. Inventory Total As Of: (30 SEP 97) 235,589																																		
c. Authorization Not Yet In Inventory: 0																																		
d. Authorization Requested In This Program: 16,300																																		
e. Authorization Included In Following Program: (FY 2000) 0																																		
f. Planned In Next Three Program Years: 10,600																																		
g. Remaining Deficiency: 0																																		
h. Grand Total: 262,489																																		
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999																																		
CATEGORY																																		
<table border="1"> <thead> <tr> <th>CODE</th> <th>PROJECT TITLE</th> <th>SCOPE</th> <th>COST (\$000)</th> <th>DESIGN STATUS</th> </tr> <tr> <th></th> <th></th> <th></th> <th></th> <th>START</th> <th>CMPL</th> </tr> </thead> <tbody> <tr> <td>711-142</td> <td>REPLACE MILITARY FAMILY HOUSING (PHASE 1)</td> <td>143 UN</td> <td>16,300</td> <td>TURN KEY</td> <td></td> </tr> <tr> <td colspan="3">TOTAL:</td> <td>16,300</td> <td></td> <td></td> </tr> </tbody> </table>												CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS					START	CMPL	711-142	REPLACE MILITARY FAMILY HOUSING (PHASE 1)	143 UN	16,300	TURN KEY		TOTAL:			16,300		
CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS																														
				START	CMPL																													
711-142	REPLACE MILITARY FAMILY HOUSING (PHASE 1)	143 UN	16,300	TURN KEY																														
TOTAL:			16,300																															
9a. Future Projects: Included in the Following Program (FY 2000) NONE																																		
9b. Future Projects: Typical Planned Next Three Years:																																		
711-142 REPLACE MILITARY FAMILY HOUSING (PHASE 2) 42 UN 5,000																																		
711-142 REPLACE MILITARY FAMILY HOUSING (PAHSE 3) 44 UN 5,600																																		
9c. Real Property Maintenance Backlog This Installation 51,600																																		
10. Mission or Major Functions: Headquarters Air University; Air War College; Air Command and Staff College; Squadron Officer School; Officer Training School; College for Aerospace Doctrine, Research, and Education; AF Quality Institute; Ira C Eaker College for Professional Development; AF Doctrine Center; Air Force Historical Research Agency; Headquarters AF Reserve Officer Training Corps; Headquarters Civil Air Patrol; Community College of the Air Force; an Air base wing with C-21 aircraft; and an Air Force Reserve airlift wing with one C-130 squadron.																																		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION MAXWELL AIR FORCE BASE, GUNTER ANNEX, ALABAMA		4. PROJECT TITLE REPLACE MILITARY FAMILY HOUSING (PHASE 1)		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
8.87.41	711-142	JUBJ984049	16,300	

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE MILITARY FAMILY HOUSING	UN	143	69,664	9,962
SUPPORTING FACILITIES				4,753
SITE PREPARATION	LS			(1,011)
ROADS AND PAVING	LS			(1,284)
UTILITIES	LS			(978)
LANDSCAPING	LS			(265)
RECREATION	LS			(399)
DEMOLITION & ASBESTOS/LBP REMOVAL	LS			(816)
SUBTOTAL				14,715
CONTINGENCY (5%)				736
TOTAL CONTRACT COST				15,451
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				850
TOTAL REQUEST				16,300
AREA COST FACTOR		.84		

10. Description of Proposed Construction: Replace 143 housing units. Project includes demolition, asbestos/lead-base paint removal, site preparation, support infrastructure of roads and utilities, and construction of new single, duplex, and multi-plex units. Provides normal amenities to include parking, air conditioning, appliances, patios and privacy fencing, neighborhood playgrounds, landscaping, and recreation.

UNIT TYPE	NET AREA	PROJECT FACTOR	\$/NSM	NO. UNITS	TOTAL COST
JNCO 2BR	88	.82	797	50	2,875,576
JNCO 3BR	111	.82	797	63	4,570,205
JNCO 4BR	125	.82	797	6	490,155
SNCO 3BR	125	.82	797	14	1,143,695
SNCO 4BR	135	.82	797	10	882,279
				143	9,961,910

11. REQUIREMENT: 4,428 UN ADEQUATE: 2,902 UN SUBSTANDARD: 1,526 UN
PROJECT: Replace Military Family Housing (Phase 1). (Current Mission)
REQUIREMENT: This project is required to provide modern and efficient replacement housing for military members and their dependents stationed at Maxwell AFB. All units will meet "whole house" standards and are programmed in accordance with Housing Community Plan phases C and D. Replacement will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. This is the first of multiple phases to provide adequate housing for base personnel. Of the 327 housing units to be replaced in this multi-phase initiative, 186 will follow in subsequent phases. The replacement housing will

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
MAXWELL AIR FORCE BASE, GUNTER ANNEX, ALABAMA		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE MILITARY FAMILY HOUSING (PHASE 1)	JUBJ984049	
<p>provide a modern kitchen, living room, family room, bedroom and bath configuration, with ample interior/exterior storage and a carport or garage. Exterior parking will provide for a second vehicle and guests. Neighborhood improvements include landscaping and playgrounds.</p> <p><u>CURRENT SITUATION:</u> This project replaces 143 housing units which were constructed in 1941. These 58-year-old houses are showing the effects of age and continuous heavy use. They have had no major upgrades since construction and do not meet the needs of today's families, nor do they provide a modern home environment. The units are not energy efficient and housing density is overcrowded. Play areas for children are either too small, not appropriate for toddlers, or nonexistent; presently the youngsters use the streets as playgrounds. Following normal rainfall, numerous sunken areas near house porches and neighborhood walkways accumulate water which becomes stagnant, breeding insects and unhealthful bacteria. Roof structures, walls, foundations, and exterior pavements require major repair or replacement owing to the effects of age and the environment. Off-street parking does not meet minimum requirement of 2.5 parking spaces per unit nor one covered space. Foundations and pavements are showing signs of failure due to settlement. Housing interiors are inadequate by any modern criteria. Bedrooms lack adequate closet space. 95% of 3 and 4 bedrooms units have one bathroom per unit, and all bathroom fixtures are outdated and energy-inefficient. Kitchens have inadequate storage and counter space, cabinets are old, and countertops and sinks are badly worn. Flooring throughout the houses is worn out, and contains evidence of asbestos. Plumbing and electrical systems are antiquated and do not meet modern building codes, nor current standards for efficiency and safety. Lighting systems throughout the houses are inefficient and require replacement. Heating and air conditioning systems require upgrade and replacement. Units are not compatible to reconfiguration.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Major morale problems will result if this replacement initiative is not supported. Some families will continue to live in unsuitable housing while others are in improved or new, replaced units. The housing will continue to be occupied until it becomes totally uninhabitable because adequate, affordable off-base housing is not available. The current Housing Market Analysis shows an on-base housing deficit of 875 units. Without this and subsequent phases of this initiative, costly piecemeal repairs will continue, with no improvement in the living quality.</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. The cost to improve this housing is 75% of the replacement cost. 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. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Base Civil Engineer: Lt Col Gregory Coker, (334) 953-6944.</p>		

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MAXWELL AIR FORCE BASE, GUNTER ANNEX, ALABAMA		
4. PROJECT TITLE REPLACE MILITARY FAMILY HOUSING (PHASE 1)	5. PROJECT NUMBER JUBJ984049	
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by one step turn key procedures</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design - NO</p> <p>(b) Where Design Was Most Recently Used - N/A</p> <p>(3) Design Allowance 220</p> <p>(4) Construction Start 99 APR</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT			2. FISCAL YEAR 1999		REPORT CONTROL SYMBOL DD-A&L(AR)1716		
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION							
5. DATA AS OF 1994		a. NAME Maxwell AFB			b. LOCATION Alabama				
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9-E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		2,414	3,182	570	6,166	2,413	3,160	566	6,139
7. PERMANENT PARTY PERSONNEL		2,414	3,182	570	6,166	2,413	3,160	566	6,139
8. GROSS FAMILY HOUSING REQUIREMENTS		1,978	2,336	133	4,447	1,978	2,318	132	4,428
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		550	483	23	1,056				
a. INVOLUNTARILY SEPARATED		0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	143	0	143				
c. UNACCEPTABLE HOUSED IN COMMUNITY		550	340	23	913				
10. VOLUNTARY SEPARATIONS		0	0	0	0	0	0	0	0
11. EFFECTIVE HOUSING REQUIREMENTS		1,978	2,336	133	4,447	1,978	2,318	132	4,428
12. HOUSING ASSETS (a + b)		1,428	1,853	110	3,391	1,443	1,856	111	3,410
a. UNDER MILITARY CONTROL		373	441	0	814	373	441	0	814
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		373	441	0	814	373	441	0	814
(2) UNDER CONTRACT/APPROVED						0	0	0	0
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSING		1,055	1,412	110	2,577	1,070	1,415	111	2,596
(1) ACCEPTABLY HOUSED		1,055	1,412	110	2,577				
(2) ACCEPTABLE VACANT RENTAL		0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT		550	483	23	1,056	535	462	21	1,018
14. PROPOSED PROJECT						0	143	0	143
15. REMARKS									

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
AIR FORCE											
3. INSTALLATION AND LOCATION						4. COMMAND			5. AREA CONST COST INDEX		
EIELSON AIR FORCE BASE, ALASKA						PACIFIC AIR FORCES			1.73		
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 97		254	2617	661				54	113	574	4,273
b. End FY 2003		249	2587	658				54	113	574	4,235
7. INVENTORY DATA (\$000)											
a. Total Acreage: (19,790)											
b. Inventory Total As Of: (30 SEP 97) 593,840											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 12,932											
e. Authorization Included In Following Program: (FY 2000) 0											
f. Planned In Next Three Program Years: 33,200											
g. Remaining Deficiency: 0											
h. Grand Total: 639,972											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY											
<u>CODE</u>		<u>PROJECT TITLE</u>				<u>SCOPE</u>		<u>COST (\$000)</u>		<u>DESIGN STATUS</u>	
										<u>START</u> <u>CMPL</u>	
711-142		REPLACE FAMILY HOUSING PHASE 3				46 UN		12,932		AUG 97 JUN 98	
						TOTAL:		12,932			
9a. Future Projects: Included in the Following Program (FY 2000) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
711-142		FY70 APPROPRIATED FAMILY HSG				60 UN		17,600			
711-142		FY70 APPROPRIATED FAMILY HSG				56 UN		15,600			
9c. Real Property Maintenance Backlog This Installation										126,500	
10. Mission or Major Functions: The host fighter wing supports an F-16 squadron, an A/OA-10 squadron, and a training squadron which conducts COPE THUNDER exercises. The installation also hosts an Air National Guard air refueling squadron (KC-135) and a trainig group that conducts arctic survival training.											

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA		2. DATE		
AIR FORCE		(computer generated)				
3. INSTALLATION AND LOCATION			4. PROJECT TITLE			
EIELSON AIR FORCE BASE, ALASKA			REPLACE FAMILY HOUSING PHASE 3			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)			
8.87.41	711-142	FTQW984002	12,932			
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
REPLACE MILITARY FAMILY HOUSING		UN	46	162,716	7,485	
SUPPORTING FACILITIES					4,189	
DEMOLITION		LS			(425)	
ROADS AND PAVING		LS			(290)	
UTILITIES		LS			(351)	
LANDSCAPING		LS			(142)	
PLAYGROUNDS		LS			(141)	
SPECIAL CONSTRUCTION/GARAGES		LS			(1,405)	
ASBESTOS/LEAD-BASED PAINT REMOVAL		LS			(1,435)	
SUBTOTAL					11,674	
CONTINGENCY (5%)					584	
TOTAL CONTRACT COST					12,258	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)					674	
TOTAL REQUEST					12,932	
AREA COST FACTOR			1.73			
10. Description of Proposed Construction: Replace 46 housing units. Includes demolition, site work, replacement of utility systems, roads and asbestos/lead-based paint removal. Provides amenities including parking, appliances, patios, privacy fencing, and playgrounds/landscaping. Includes 28 net square meters of arctic recreation space for harsh climate area. Foundations will be salvaged. 72 units will be demolished.						
	UNIT TYPE	NET AREA	PROJECT FACTOR	\$/NSM	NO. UNITS	TOTAL COST
	JNCO 2BR	116	1.76	797	46	7,484,914
					46	7,484,914
11. REQUIREMENT: 1,948 UN ADEQUATE: 1,106 UN SUBSTANDARD: 842 UN PROJECT: Replace Military Family Housing (Phase 3). (Current Mission) REQUIREMENT: This project is required to provide modern and efficient replacement housing for military members and their dependents stationed at Eielson AFB. All units will meet "whole house" standards and are programmed in accordance with phase four of the Housing Community Plan. Replacement housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. This is the third of mutiple phases to provide adequate housing for base personnel. Of the 932 housing units to be replaced/improved in this multi-phased initiative, 321 are completed or included in prior programs, and 611 will follow in subsequent phases. CURRENT SITUATION: This project replaces 72 units which were constructed in 1953 with 46 units. These 43 year-old houses are showing the effects of age and continuous heavy use. They have had no major upgrades since						

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION
EIELSON AIR FORCE BASE, ALASKA

4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE FAMILY HOUSING PHASE 3	FTQW984002

construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Roofs, wall, foundations and exterior pavements require major repair or replacement owing to the effects of age and the environment. Roof structures show signs of rot; leaks have made insulation (already inadequate by today's standards) less effective. Foundation and pavements are showing signs of failure owing to settlement. Housing interiors are generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy-inefficient. Kitchens have inadequate storage and counterspace, cabinets are old, and countertops and sinks are badly worn. Flooring throughout the house is worn out, and contains evidence of asbestos. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. There is no ground fault interrupter circuit protection, and many electrical outlets lack grounding protection. Lighting systems throughout the houses are inefficient and require replacement. Heating and air conditioning systems require upgrade and replacement.

IMPACT IF NOT PROVIDED: Major morale problems will result if this replacement initiative is not supported. Some families will continue to live in unsuitable housing while others are in new, replaced units. The housing will continue to be occupied until it becomes totally uninhabitable because adequate affordable off-base housing is not available. The current Housing Market Analysis shows an on-base housing deficit of 32 units. Without this and subsequent phases of this initiative, costly piecemeal repairs will continue, with no improvement in the living quality.

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 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 87% of the replacement cost. Since this is a replacement project, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. Base Civil Engineer: Lt Col David Barnes, (907) 377-5213

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1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
EIELSON AIR FORCE BASE, ALASKA		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE FAMILY HOUSING PHASE 3	FTQW984002	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		97 AUG 01
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1998		35%
(d) Date 35% Designed.		97 SEP 23
(e) Date Design Complete		98 JUN 30
(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):		
(a) Production of Plans and Specifications		(\$000) 400
(b) All Other Design Costs		
(c) Total		400
(d) Contract		400
(e) In-house		
(4) Construction Start		
		99 APR
b. Equipment associated with this project will be provided from other appropriations: N/A		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT			2. FISCAL YEAR 1999		REPORT CONTROL SYMBOL DD-A&L(AR)1716		
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION				b. LOCATION			
5. DATA AS OF 1997		a. NAME Eielson AFB			Alaska				
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 - E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		244	2,061	503	2,808	259	2,027	617	2,903
7. PERMANENT PARTY PERSONNEL		244	2,061	503	2,808	259	2,027	617	2,903
8. GROSS FAMILY HOUSING REQUIREMENTS		181	1,592	158	1,931	189	1,532	227	1,948
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		0	142	15	157				
a. INVOLUNTARILY SEPARATED		0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	72	0	72				
c. UNACCEPTABLE HOUSED IN COMMUNITY		0	70	15	85				
10. VOLUNTARY SEPARATIONS		0	0	0	0	0	0	0	0
11. EFFECTIVE HOUSING REQUIREMENTS		181	1,592	158	1,931	189	1,532	227	1,948
12. HOUSING ASSETS (a + b)		185	1,460	143	1,778	194	1,464	187	1,845
a. UNDER MILITARY CONTROL		102	996	120	1,218	151	1,281	152	1,584
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		102	996	120	1,218	102	996	120	1,218
(2) UNDER CONTRACT/APPROVED						49	285	32	366
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSING		83	454	23	560	43	183	35	261
(1) ACCEPTABLY HOUSED		79	454	23	556				
(2) ACCEPTABLE VACANT RENTAL		4	0	0	4				
13. EFFECTIVE HOUSING DEFICIT		(4)	142	15	153	(5)	68	40	103
14. PROPOSED PROJECT						0	46	0	46
15. REMARKS									
Item 14: This project will demolish 72 units and build 46 units.									

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROGRAM									2. DATE
AIR FORCE	(computer generated)									
3. INSTALLATION AND LOCATION	EDWARDS AIR FORCE BASE, CALIFORNIA			4. COMMAND	MATERIEL COMMAND			5. AREA CONST COST INDEX	1.21	
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 97	651	3438	3095				242	390	749	8,565
b. End FY 2003	612	3085	3051				242	390	749	8,129
7. INVENTORY DATA (\$000)										
a. Total Acreage:	(300,723)									
b. Inventory Total As Of:	(30 SEP 97)									805,374
c. Authorization Not Yet In Inventory:										0
d. Authorization Requested In This Program:										12,580
e. Authorization Included In Following Program:	(FY 2000)									7,100
f. Planned In Next Three Program Years:										19,800
g. Remaining Deficiency:										0
h. Grand Total:										844,854
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999										
CATEGORY	CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS	START	CMPL			
	711-142	REPLACE AREA B HOUSING PHASE 4	48 UN	12,580		MAY 97	AUG 97			
			TOTAL:	12,580						
9a. Future Projects: Included in the Following Program (FY 2000)										
	711-142	FY70 APPROPRIATED FAMILY HSG	38 UN	7,100						
			TOTAL:	7,100						
9b. Future Projects: Typical Planned Next Three Years:										
	711-142	FY70 APPROPRIATED FAMILY HSG	64 UN	11,000						
	711-142	FY70 APPROPRIATED FAMILY HSG	51 UN	8,800						
9c. Real Property Maintenance Backlog This Installation 140,500										
10. Mission or Major Functions: Air Force Flight Test Center for Research and Development which is responsible for flight test activities for all USAF aircraft and related avionics, flight control, and weapons systems; a test wing; an air base wing; Air Force Test Pilot School; and Propulsion Directorate of Phillips Laboratory. Also, a landing site for the space shuttle.										

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA			2. DATE		
AIR FORCE	(computer generated)					
3. INSTALLATION AND LOCATION		4. PROJECT TITLE				
EDWARDS AIR FORCE BASE, CALIFORNIA		REPLACE AREA B HOUSING PHASE 4				
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)			
8.87.41	711-142	FSPM994501	12,580			
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
REPLACE MILITARY FAMILY HOUSING		UN	48	109,837	5,272	
SUPPORTING FACILITIES					6,084	
SITE PREPARATION		LS			(445)	
ROADS AND PAVING		LS			(618)	
UTILITIES		LS			(670)	
LANDSCAPING		LS			(442)	
RECREATION		LS			(438)	
SPECIAL CONSTRUCTION FEATURES		LS			(1,162)	
DEMOLITION AND ENVIRONMENTAL		LS			(2,309)	
SUBTOTAL					11,356	
CONTINGENCY (5%)					568	
TOTAL CONTRACT COST					11,924	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)					656	
TOTAL REQUEST					12,580	
AREA COST FACTOR			1.21			
10. Description of Proposed Construction: Replace 48 housing units. Includes demolition of 186 units, site clearing, upgrade of utilities and roads, and construction of 48 new units. Provides normal amenities to include appliances, parking, air conditioning, exterior patios and privacy fencing, neighborhood playground, and recreation areas. Includes demolition, asbestos and lead-based paint removal.						
	UNIT TYPE	NET AREA	PROJECT FACTOR	\$/NSM	NO. UNITS	TOTAL COST
	JNCO 2BR	88	1.25	797	4	350,680
	JNCO 3BR	111	1.25	797	40	4,423,350
	JNCO 4BR	125	1.25	797	4	498,125
					48	5,272,155
11. REQUIREMENT: 2,410 UN ADEQUATE: 988 UN SUBSTANDARD: 1,422 UN <u>PROJECT:</u> Replace Military Family Housing (Phase 4). (Current Mission) <u>REQUIREMENT:</u> This project is required to provide modern and efficient replacement housing for military members and their dependents stationed at Edwards AFB. All units will meet "whole house" standards and are programmed in accordance with Phase 4 of the 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 modern kitchen, living room, family room, bedroom and bath configuration, 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 infra-structure will be upgraded to meet modern housing needs.						

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE REPLACE AREA B HOUSING PHASE 4	5. PROJECT NUMBER FSPM994501	
<p>Neighborhood improvements will include landscaping and playgrounds.</p> <p><u>CURRENT SITUATION:</u> This project replace 48 housing units which were constructed in the 1950s. These 40+ year old houses are showing the effects of age and continuous heavy use. They have not had any major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Plumbing systems, electrical systems, heating and air conditioning system are antiquated and do not meet current standards for efficiency and safety. Systems are in such poor repair that constant maintenance is required to maintain operability. The harsh environment has taken its toll and the units have deteriorated beyond economical repair. Asbestos-containing building materials contribute significantly to the high repair cost. The exteriors of these facilities have deteriorated to the point that all wooden surfaces need to be replaced. This housing area is very congested and presents a traffic flow safety hazard when cars park on the streets because the units lack driveways and adequate garages.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Asbestos will continue to limit maintainability, and future repair costs will be exorbitant due to the environmental abatement requirements. Mechanical and electrical systems will fail, adding to the already heavy workload and high cost to maintain. The units will continue to be occupied until they become uninhabitable because adequate, affordable housing is not available for junior enlisted families.</p> <p><u>ADDITIONAL:</u> 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 initial cost to improve the housing is 92% of the replacement cost. 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. Base Civil Engineer: Col Steven D. Kukuk (805) 277-2910.</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
EDWARDS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE		5. PROJECT NUMBER
REPLACE AREA B HOUSING PHASE 4		FSPM994501
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		97 MAY 01
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1998		100%
(d) Date 35% Designed.		97 JUN 01
(e) Date Design Complete		97 AUG 01
(2) Basis:		
(a) Standard or Definitive Design -		YES
(b) Where Design Was Most Recently Used -		EDWARDS
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		30
(b) All Other Design Costs		
(c) Total		30
(d) Contract		30
(e) In-house		
(4) Construction Start		99 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

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MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT		2. FISCAL YEAR		REPORT CONTROL SYMBOL		
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION		1999		DD-A&L(AR)1716		
5. DATA AS OF 34394		a. NAME Edwards AFB		b. LOCATION California				
ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 - E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	738	3,206	811	4,755	742	2,770	701	4,213
7. PERMANENT PARTY PERSONNEL	738	3,206	811	4,755	742	2,770	701	4,213
8. GROSS FAMILY HOUSING REQUIREMENTS	424	2,311	179	2,914	426	1,997	155	2,578
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	0	186	0	186				
a. INVOLUNTARILY SEPARATED	0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	0	186	0	186				
c. UNACCEPTABLE HOUSED IN COMMUNITY	0	0	0	0				
10. VOLUNTARY SEPARATIONS	24	156	10	190	23	136	9	168
11. EFFECTIVE HOUSING REQUIREMENTS	400	2,155	169	2,724	403	1,861	146	2,410
12. HOUSING ASSETS (a + b)	437	2,146	374	2,957	434	1,735	193	2,362
a. UNDER MILITARY CONTROL	391	1,372	40	1,803	391	1,372	40	1,803
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED	391	1,372	40	1,803	391	1,372	40	1,803
(2) UNDER CONTRACT/APPROVED					0	0	0	0
(3) VACANT	0	0	0	0				
(4) INACTIVE	0	0	0	0				
b. PRIVATE HOUSING	46	774	334	1,154	43	363	153	559
(1) ACCEPTABLY HOUSED	9	597	129	735				
(2) ACCEPTABLE VACANT RENTAL	37	177	205	419				
13. EFFECTIVE HOUSING DEFICIT	(37)	9	(205)	(233)	(31)	126	(47)	48
14. PROPOSED PROJECT					0	48	0	48
15. REMARKS								
Item 14: This project will demolish 186 units and re-build 48 units.								

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)							2. DATE			
3. INSTALLATION AND LOCATION VANDENBERG AIR FORCE BASE, CALIFORNIA					4. COMMAND AIR FORCE SPACE COMMAND			5. AREA CONST COST INDEX 1.25			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 97		645	2472	1163							4,280
b. End FY 2003		626	2171	941							3,738
7. INVENTORY DATA (\$000)											
a. Total Acreage: (98,256)											
b. Inventory Total As Of: (30 SEP 97)										1,146,524	
c. Authorization Not Yet In Inventory:										0	
d. Authorization Requested In This Program:										18,499	
e. Authorization Included In Following Program: (FY 2000)										17,700	
f. Planned In Next Three Program Years:										63,600	
g. Remaining Deficiency:										0	
h. Grand Total:										1,246,323	
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY											
CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN START	STATUS Cmpl			
711-142	REPLACE MILITARY FAMILY HOUSING PHASE 6				95 UN	18,499	AUG 97	JUN 98			
TOTAL:						18,499					
9a. Future Projects: Included in the Following Program (FY 2000)											
711-142	FY70 APPROPRIATED FAMILY HSG				102 UN	17,700					
TOTAL:						17,700					
9b. Future Projects: Typical Planned Next Three Years:											
711-142	REPLACE MILITARY FAMILY HOUSING, PHASE 8				119 UN	20,600					
711-142	REPLACE MILITARY FAMILY HOUSING, PHASE 9				133 UN	22,900					
711-142	REPLACE MILITARY FAMILY HOUSING, PHASE 10				119 UN	20,100					
9c. Real Property Maintenance Backlog This Installation										178,100	
10. Mission or Major Functions: Headquarters Fourteenth Air Force; a space wing with UH-1 aircraft; West Coast space launch and missile test operations; an Air Force Materiel Command detachment of the Space and Missile Systems Center; and an Air Education and Training Command space and missile training group.											

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1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION VANDENBERG AIR FORCE BASE, CALIFORNIA		4. PROJECT TITLE REPLACE MILITARY FAMILY HOUSING PHASE 6		
5. PROGRAM ELEMENT 8.87.41	6. CATEGORY CODE 711-142	7. PROJECT NUMBER XUMU994000	8. PROJECT COST(\$000) 18,499	

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE MILITARY FAMILY HOUSING	UN	95	112,052	10,645
SUPPORTING FACILITIES				6,055
SITE PREPARATION	LS			(383)
ROADS AND PAVING	LS			(542)
UTILITIES	LS			(1,264)
LANDSCAPING	LS			(605)
RECREATION, WALKS, PARKS/LIGHTS, FENCE	LS			(940)
DEMOLITION/ASBESTOS/LBP/UG TNKS REMOVE	LS			(2,321)
SUBTOTAL				16,700
CONTINGENCY (5%)				835
TOTAL CONTRACT COST				17,535
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				964
TOTAL REQUEST				18,499
AREA COST FACTOR		1.25		

10. Description of Proposed Construction: Replace 95 housing units to include demolition, site work, replacement/upgrade of utilities & pavements, and construct masonry wall. Includes amenities such as appliances, parking, single-car garages, storage, patios, fences, tot lots, recreation, parks, lights, & trails. Includes demolition & disposal of asbestos, lead-based paints, and underground storage tanks.

UNIT TYPE	NET AREA	PROJECT FACTOR	\$/NSM	NO. UNITS	TOTAL COST
JRENL 3BR	111	1.25	797	85	9,399,619
JRENL 4BR	125	1.25	797	10	1,245,313
				95	10,644,932

11. REQUIREMENT: 2,245 UN ADEQUATE: 731 UN SUBSTANDARD: 1,514 UN
 PROJECT: Replace Military Family Housing (Phase 6) (Current Mission).
 REQUIREMENT: This project is required to provide modern, efficient, and safe housing for military members and their dependents stationed at Vandenberg AFB. All units will meet "whole house" standards and are programmed in accordance with Phase 6 of the Housing Community Plan (HCP). Replacement housing will provide a living environment comparable to the off-base civilian community. This is the sixth of thirteen phases to provide adequate housing for base personnel. Of the 2076 units to be replaced in this multi-phase initiative, 657 are completed or included in prior programs, and 1324 will follow in subsequent phases. New housing will provide a modern kitchen, family room, bedroom, bathroom, ample storage, single-car garage, and parking for guests. Basic neighborhood support infrastructure will be upgraded to modern standards. Landscaping,

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
VANDENBERG AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE MILITARY FAMILY HOUSING PHASE 6	XUMU994000	
<p>playgrounds, walks, handicap access, signs, lights, irrigation, recreation areas, fitness course, and utility upgrades will be provided.</p> <p><u>CURRENT SITUATION:</u> Units are over 37 years old and have deteriorated to the point where replacement is the most economical alternative. Wiring and fixtures have been identified by the Fire Department and Base Safety as a fire hazard; wiring is brittle and exposed. There are no ground fault interrupters (a life safety hazard). Fixtures are energy inefficient. Plumbing systems have succumbed to the effects of hard water and corrosion, resulting in severe flow constriction and pipe leakage. Overhead pipes in the attics leak, causing ceiling and property damage. Corroded sewer lines leak in and under the floor slab. Roof structures are sagging. There is no family room and insufficient bulk storage. Kitchens have inefficient work space/circulation and worn out/insufficient cabinets. Bathroom fixtures, vanities, and appointments are worn and outmoded. Plumbing fixtures are worn and failing. Baths are deteriorated and outdated; shower enclosures and medicine cabinets are corroded, discolored, and pitted. The present configuration of units is inefficient and provides no privacy for residents. These houses have had no major upgrades since construction, do not meet the needs of today's families, nor provide a modern home environment. Roofs, walls, foundations, and sidewalks require replacement due to the effects of age and the environment. Housing interiors are inadequate by any modern criteria. Utility wires and poles clutter the streetscape. There is a lack of trees on streets, lawns, and open spaces.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Air Force members and their families will continue to be housed with minimal water and electrical services. The occupants of these housing units will suffer continual water leaks in their ceilings damaging light fixtures and interior finishes. A living environment that promotes pride, professionalism, and individual dignity will not be provided. Without this and subsequent phases of this initiative, costly piecemeal repairs will continue out of necessity, with no improvement in the living quality.</p> <p><u>ADDITIONAL:</u> 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, 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 96% of the replacement cost. 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. Base Civil Engineer: Col William R. Quinn (805) 734-6855.</p>		

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1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
VANDENBERG AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE MILITARY FAMILY HOUSING PHASE 6	XUMU994000	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		97 AUG 05
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1998		35%
(d) Date 35% Designed.		97 SEP 24
(e) Date Design Complete		98 JUN 01
(2) Basis:		
(a) Standard or Definitive Design -		YES
(b) Where Design Was Most Recently Used -		VANDENBE
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		300
(b) All Other Design Costs		125
(c) Total		425
(d) Contract		425
(e) In-house		
(4) Construction Start		99 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT			2. FISCAL YEAR 1999		REPORT CONTROL SYMBOL DD-A&L(AR)1716		
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION							
5. DATA AS OF 1995		a. NAME Vandenberg AFB			b. LOCATION California				
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 - E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		748	2,057	707	3,512	846	2,046	936	3,828
7. PERMANENT PARTY PERSONNEL		748	2,057	707	3,512	846	2,046	936	3,828
8. GROSS FAMILY HOUSING REQUIREMENTS		487	1,526	167	2,180	517	1,514	214	2,245
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		0	0	95	95				
a. INVOLUNTARILY SEPARATED		0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	0	95	95				
c. UNACCEPTABLE HOUSED IN COMMUNITY		0	0	0	0				
10. VOLUNTARY SEPARATIONS		0	0	0	0	0	0	0	0
11. EFFECTIVE HOUSING REQUIREMENTS		487	1,526	167	2,180	517	1,514	214	2,245
HOUSING ASSETS (a + b)		487	1,536	72	2,095	518	1,525	106	2,149
a. UNDER MILITARY CONTROL		487	1,428	66	1,981	496	1,423	62	1,981
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		487	1,428	66	1,981	496	1,423	62	1,981
(2) UNDER CONTRACT/APPROVED						0	0	0	0
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSING		0	108	6	114	22	102	44	168
(1) ACCEPTABLY HOUSED		0	98	6	104				
(2) ACCEPTABLE VACANT RENTAL		0	10	0	10				
13. EFFECTIVE HOUSING DEFICIT		0	(10)	95	85	(1)	(11)	108	96
14. PROPOSED PROJECT						0	0	95	95
15. REMARKS									

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
AIR FORCE											
3. INSTALLATION AND LOCATION					4. COMMAND			5. AREA CONST COST INDEX			
DOVER AIR FORCE BASE, DELAWARE					AIR MOBILITY COMMAND			1.03			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 96		375	3525	1101				66	227	15	5,309
b. End FY 2002		364	3294	1071				66	227	15	5,037
7. INVENTORY DATA (\$000)											
a. Total Acreage: (3,857)											
b. Inventory Total As Of: (30 SEP 96)										213,937	
c. Authorization Not Yet In Inventory:										43,200	
d. Authorization Requested In This Program:										8,998	
e. Authorization Included In Following Program: (FY 2000)										0	
f. Planned In Next Three Program Years:										0	
g. Remaining Deficiency:										17,000	
h. Grand Total:										283,135	
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY						COST		DESIGN STATUS			
<u>CODE</u>		<u>PROJECT TITLE</u>				<u>SCOPE</u>		<u>(\$000)</u>		<u>START</u> <u>CMPL</u>	
711-142		REPLACE FAMILY HOUSING				55 UN		8,998		AUG 97 JUN 98	
						TOTAL:		8,998			
9a. Future Projects: Included in the Following Program (FY 2000) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
9c. Real Property Maintenance Backlog This Installation										112,600	
10. Mission or Major Functions: An airlift wing with two C-5 squadrons; and an Air Force Reserve C-5 associate airlift wing.											

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA				2. DATE		
AIR FORCE		(computer generated)						
3. INSTALLATION AND LOCATION				4. PROJECT TITLE				
DOVER AIR FORCE BASE, DELAWARE				REPLACE FAMILY HOUSING				
5. PROGRAM ELEMENT		6. CATEGORY CODE	7. PROJECT NUMBER		8. PROJECT COST (\$000)			
8.87.41		711-142	FJXT994012R		8,998			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE FAMILY HOUSING					UN	55	100,553	5,530
SUPPORTING FACILITIES								2,592
SITE PREPARATION					LS			(975)
DEMO/ENVIR/COMMUNITY					LS			(1,617)
SUBTOTAL								8,122
CONTINGENCY (5%)								406
TOTAL CONTRACT COST								8,528
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)								469
TOTAL REQUEST								8,998
AREA COST FACTOR						1.03		
10. Description of Proposed Construction: Replace 55 housing units. Includes demolition, site clearing, replacement/upgrade of utility systems and roads, and construction of new single and multiplex units. Provides normal amenities to include appliances, parking, air conditioning, exterior patios and privacy fencing. Includes demolition, asbestos and lead-based paint removal.								
	<u>UNIT TYPE</u>	<u>NET AREA</u>	<u>PROJECT FACTOR</u>	<u>\$/NSM</u>	<u>NO. UNITS</u>	<u>TOTAL COST</u>		
	JNCO 3BR	111	1.02	797	8	721,891		
	SNCO 3BR	125	1.02	797	43	4,369,553		
	SNCO 4BR	135	1.02	797	4	438,988		
					55	5,530,432		
11. REQUIREMENT: 2,771 UN ADEQUATE: 1,135 UN SUBSTANDARD: 1,636 UN <u>PROJECT:</u> Replace Military Family Housing (Current Mission) <u>REQUIREMENT:</u> This project is required to provide modern and efficient replacement housing for military members and their dependents at Dover AFB. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan, Phase A. Replacement housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. This is the first of multiple phases to provide adequate housing for base personnel. The replacement housing will provide a modern kitchen, living room, family room, bedroom and bath configuration, 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								

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1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION DOVER AIR FORCE BASE, DELAWARE		
4. PROJECT TITLE REPLACE FAMILY HOUSING	5. PROJECT NUMBER FJXT994012R	
<p>infrastructure will be upgraded to meet modern housing standards.</p> <p><u>CURRENT SITUATION:</u> This project replaces 55 housing units which were built in 1958. These 39-year-old houses are showing the effects of age and continuous heavy use. They have had no major upgrades since construction and do not meet the needs of today's families nor do they provide a modern home environment. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Housing interiors are generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Kitchens have inadequate storage and counter space. Flooring throughout the houses is outdated and contains asbestos. Lighting systems throughout the houses are inefficient and require replacement. Outdoor living space, community areas, and individual patios are either very limited or nonexistent.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Major morale problems will result if this initiative is not supported. The housing will continue to be occupied until it becomes totally uninhabitable because adequate, affordable off-base housing is not available. The current Housing Market Analysis shows an on-base housing deficit of 87 units. Without this and subsequent phases of this initiative, costly piecemeal repairs will continue with no improvement in the quality of life.</p> <p><u>ADDITIONAL:</u> 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 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 project is 74% of replacement cost. Since this is replacement, there will be no increase in student population. Base Civil Engineer: Lt Col Willie Dean, (302) 677-6766.</p>		

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION DOVER AIR FORCE BASE, DELAWARE		
4. PROJECT TITLE REPLACE FAMILY HOUSING	5. PROJECT NUMBER FJXT994012R	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	97 AUG 01	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1998	35%	
(d) Date 35% Designed.	97 SEP 24	
(e) Date Design Complete	98 JUN 01	
(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): (\$000)		
(a) Production of Plans and Specifications	300	
(b) All Other Design Costs		
(c) Total	300	
(d) Contract	300	
(e) In-house		
(4) Construction Start 99 MAR		
b. Equipment associated with this project will be provided from other appropriations: N/A		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT			2. FISCAL YEAR 1999		REPORT CONTROL SYMBOL DD-A&L(AR)1716		
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION							
5. DATA AS OF 1995		a. NAME Dover AFB			b. LOCATION Delaware				
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9-E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		541	3,088	977	4,606	379	2,510	801	3,690
7. PERMANENT PARTY PERSONNEL		541	3,088	977	4,606	379	2,510	801	3,690
8. GROSS FAMILY HOUSING REQUIREMENTS		425	2,649	361	3,435	309	2,160	302	2,771
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		2	88	0	90				
a. INVOLUNTARILY SEPARATED		0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	55	0	55				
c. UNACCEPTABLE HOUSED IN COMMUNITY		2	33	0	35				
10. VOLUNTARY SEPARATIONS		0	0	0	0	0	0	0	0
11. EFFECTIVE HOUSING REQUIREMENTS		425	2,649	361	3,435	309	2,160	302	2,771
12. HOUSING ASSETS (a + b)		423	2,561	361	3,345	309	2,050	270	2,629
a. UNDER MILITARY CONTROL		108	1,030	361	1,499	108	1,279	107	1,494
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		108	1,030	361	1,499	108	1,279	107	1,494
(2) UNDER CONTRACT/APPROVED						0	0	0	0
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSING		315	1,531	0	1,846	201	771	163	1,136
(1) ACCEPTABLY HOUSED		315	1,531	0	1,846				
(2) ACCEPTABLE VACANT RENTAL		0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT		2	88	0	90	0	110	32	142
14. PROPOSED PROJECT						0	55	0	55
15. REMARKS									
<p>Item 12.a.(1)(h): An economic evaluation performed in 1994 indicated that five MFH units had exceeded their economic life and were subsequently demolished.</p>									

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)									2. DATE	
3. INSTALLATION AND LOCATION MACDILL AIR FORCE BASE, FLORIDA						4. COMMAND AIR MOBILITY COMMAND			5. AREA CONST COST INDEX 0.84		
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 97		663	2746	986				868	1037	109	6,409
b. End FY 2003		630	2709	965				868	1037	109	6,318
7. INVENTORY DATA (\$000)											
a. Total Acreage: (5,767)											
b. Inventory Total As Of: (30 SEP 97) 218,152											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 7,609											
e. Authorization Included In Following Program: (FY 2000) 0											
f. Planned In Next Three Program Years: 0											
g. Remaining Deficiency: 0											
h. Grand Total: 225,761											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY						COST	DESIGN		STATUS		
CODE	PROJECT TITLE	SCOPE				(\$000)	START	Cmpl			
711-142	REPLACE FAMILY HOUSING PHASE 3	48 UN				7,609	AUG 97	JUN 98			
TOTAL:						7,609					
9a. Future Projects: Included in the Following Program (FY 2000) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
9c. Real Property Maintenance Backlog This Installation 77,200											
10. Mission or Major Functions: An air refueling wing with one KC-135R squadron with KC-135R and EC-135 aircraft. The wing also provides support to Headquarters United States Special Operations Command, Headquarters United States Central Command, and Joint Communications Support Element.											

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA		2. DATE		
AIR FORCE		(computer generated)				
3. INSTALLATION AND LOCATION			4. PROJECT TITLE			
MACDILL AIR FORCE BASE, FLORIDA			REPLACE FAMILY HOUSING PHASE 3			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)			
8.87.41	711-142	NVZR993702	7,609			
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
REPLACE FAMILY HSG		UN	48	76,881	3,690	
SUPPORTING FACILITIES					3,146	
SITE WORK		LS			(1,263)	
ROADS AND PAVING		LS			(150)	
UTILITIES		LS			(100)	
LANDSCAPING		LS			(20)	
SPECIAL CONSTRUCTION FEATURES		LS			(1,402)	
DEMO/ENVIRONMENTAL HAZARD REMEDIATION		LS			(211)	
SUBTOTAL					6,836	
CONTINGENCY (5%)					342	
TOTAL CONTRACT COST					7,178	
SUPERVISION, INSPECTION AND OVERHEAD (6%)					431	
TOTAL REQUEST					7,609	
AREA COST FACTOR			.84			
10. Description of Proposed Construction: Replace 48 housing units. Includes site preparation, replacement/upgrade of utility systems, roads, landscaping, and recreation areas. Amenities include appliances, carports, air conditioning, heating, carpeting, patios, privacy fencing, and neighborhood playgrounds and recreational areas. Includes demolition of existing units and removal of asbestos and lead-based paint.						
	<u>UNIT TYPE</u>	<u>NET AREA</u>	<u>PROJECT FACTOR</u>	<u>\$/NSM</u>	<u>NO. UNITS</u>	<u>TOTAL COST</u>
	JNCO 3BR	111	.86	797	44	3,347,591
	JNCO 4BR	125	.86	797	4	342,710
					48	3,690,301
11. REQUIREMENT: 2,268 UN ADEQUATE: 1,576 UN SUBSTANDARD: 692 UN PROJECT: Replace Military Family Housing, Phase 3 (Current Mission). REQUIREMENT: This project is required to provide modern and efficient housing for military members and their families assigned to MacDill AFB. All units will meet "whole house" 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. This is the third of multiple phases to upgrade or replace 804 housing units--114 of which are included in prior programs and 642 remain following this phase. The replacement housing will provide a modern kitchen, living room, dining room, and bath configuration with ample interior and exterior storage and carports. Off-street parking will be provided for a second vehicle. The basic neighborhood support will be upgraded to meet modern housing standards. Landscaping, playgrounds, and						

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MACDILL AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE		5. PROJECT NUMBER
REPLACE FAMILY HOUSING PHASE 3		NVZR993702

recreational areas are included. Climatic considerations require special construction measures to withstand hurricanes and tidal surges.

CURRENT SITUATION: This project replaces housing which is over 45 years old and is showing the effects of age and continuous heavy use. They've had no major upgrades since construction and do not meet the needs of today's families. Existing houses are well below the authorized net area. Roofs, walls, foundations, and exterior pavements require major repair or replacement. 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 generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small and fixtures are outdated and energy inefficient. Kitchens have inadequate storage and counter space; cabinets are old and unsightly; and counter tops and sinks are badly worn. Flooring throughout the house is outdated and contains evidence of asbestos. Utility systems require excessive maintenance and repair. Dining rooms are nonexistent, so living room space is sacrificed for family dining. Housing density is excessive, creating an undesirable living environment.

IMPACT IF NOT PROVIDED: Air Force members and their families will continue to live in extremely small, outdated, and unsatisfactory housing. The housing will continue to deteriorate, resulting in escalating and unacceptable maintenance and repair costs as well as extreme inconvenience to the occupants. Without this and subsequent phases of this initiative, repairs will continue in a costly, piecemeal fashion with little or no improvement in occupant quality of life. These deficiencies will continue to adversely effect the moral of all personnel and their family members assigned to the base. The current Housing Market Analysis shows a projected deficit of 16 units.

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 dependents. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo. 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 these units is 88% of the replacement cost. The design/construction agent for this project is the Corps of Engineers resulting in Supervision, Inspection, and Overhead costs of 6 percent.
Base Civil Engineer: Lt Col William R. Floyd, (813)828-3677.

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1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE																																																
3. INSTALLATION AND LOCATION MACDILL AIR FORCE BASE, FLORIDA																																																		
4. PROJECT TITLE REPLACE FAMILY HOUSING PHASE 3	5. PROJECT NUMBER NVZR993702																																																	
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <table border="0"> <tr> <td colspan="3">(1) Status:</td> </tr> <tr> <td>(a) Date Design Started</td> <td></td> <td>97 AUG 01</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td></td> <td>N</td> </tr> <tr> <td>(c) Percent Complete as of Jan 1998</td> <td></td> <td>35%</td> </tr> <tr> <td>(d) Date 35% Designed.</td> <td></td> <td>97 SEP 24</td> </tr> <tr> <td>(e) Date Design Complete</td> <td></td> <td>98 JUN 01</td> </tr> <tr> <td colspan="3">(2) Basis:</td> </tr> <tr> <td>(a) Standard or Definitive Design -</td> <td></td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td></td> <td>N/A</td> </tr> <tr> <td colspan="3">(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</td> </tr> <tr> <td>(a) Production of Plans and Specifications</td> <td></td> <td>228</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td></td> <td></td> </tr> <tr> <td>(c) Total</td> <td></td> <td>228</td> </tr> <tr> <td>(d) Contract</td> <td></td> <td>228</td> </tr> <tr> <td>(e) In-house</td> <td></td> <td></td> </tr> <tr> <td>(4) Construction Start</td> <td></td> <td>99 MAR</td> </tr> </table> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(1) Status:			(a) Date Design Started		97 AUG 01	(b) Parametric Cost Estimates used to develop costs		N	(c) Percent Complete as of Jan 1998		35%	(d) Date 35% Designed.		97 SEP 24	(e) Date Design Complete		98 JUN 01	(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): (\$000)			(a) Production of Plans and Specifications		228	(b) All Other Design Costs			(c) Total		228	(d) Contract		228	(e) In-house			(4) Construction Start		99 MAR
(1) Status:																																																		
(a) Date Design Started		97 AUG 01																																																
(b) Parametric Cost Estimates used to develop costs		N																																																
(c) Percent Complete as of Jan 1998		35%																																																
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(e) Date Design Complete		98 JUN 01																																																
(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): (\$000)																																																		
(a) Production of Plans and Specifications		228																																																
(b) All Other Design Costs																																																		
(c) Total		228																																																
(d) Contract		228																																																
(e) In-house																																																		
(4) Construction Start		99 MAR																																																

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT		2. FISCAL YEAR 1999		REPORT CONTROL SYMBOL DD-A&L(AR)1716			
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION							
5. DATA AS OF 1994		a. NAME MacDIII AFB			b. LOCATION Florida				
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9-E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		995	2,235	346	3,576	1,005	2,161	319	3,485
7. PERMANENT PARTY PERSONNEL		995	2,235	346	3,576	1,005	2,161	319	3,485
8. GROSS FAMILY HOUSING REQUIREMENTS		681	1,525	110	2,316	688	1,479	101	2,268
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		4	59	5	68				
a. INVOLUNTARILY SEPARATED		0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	48	0	48				
c. UNACCEPTABLE HOUSED IN COMMUNITY		4	11	5	20				
10. VOLUNTARY SEPARATIONS		0	0	0	0	0	0	0	0
11. EFFECTIVE HOUSING REQUIREMENTS		681	1,525	110	2,316	688	1,479	101	2,268
12. HOUSING ASSETS (a + b)		677	1,466	105	2,248	683	1,369	97	2,149
a. UNDER MILITARY CONTROL		130	613	13	756	130	559	13	702
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		130	613	13	756	130	559	13	702
(2) UNDER CONTRACT/APPROVED						0	0	0	0
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSING		547	853	92	1,492	553	810	84	1,447
(1) ACCEPTABLY HOUSED		547	853	92	1,492				
(2) ACCEPTABLE VACANT RENTAL		0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT		4	59	5	68	5	110	4	119
14. PROPOSED PROJECT						0	48	0	48
15. REMARKS									
Item 12.a.(1)(h): 54 MFH units are being demolished as part of the FY98 project.									

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1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROGRAM AIR FORCE (computer generated)							2. DATE		
3. INSTALLATION AND LOCATION					4. COMMAND			5. AREA CONST COST INDEX			
PATRICK AIR FORCE BASE, FLORIDA					AIR FORCE SPACE COMMAND			0.96			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 96		450	1760	1089							3,299
b. End FY 2001		372	1303	1070							2,745
7. INVENTORY DATA (\$000)											
a. Total Acreage: (2,341)											
b. Inventory Total As Of: (30 SEP 96)		161,744									
c. Authorization Not Yet In Inventory:		7,700									
d. Authorization Requested In This Program:		9,692									
e. Authorization Included In Following Program: (FY 2000)		0									
f. Planned In Next Three Program Years:		29,100									
g. Remaining Deficiency:		19,743									
h. Grand Total:		227,979									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START	CMP		
711-142	FY70 APPROPRIATED FAMILY HSG			46 UN		9,692		AUG 97	JUN 98		
				TOTAL:		9,692					
9a. Future Projects: Included in the Following Program (FY 2000) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
711-142	REPLACE MILITARY FAMILY HSG			80 UN		9,800					
		(PHASE 2)									
711-142	FY70 APPROPRIATED FAMILY HSG			66 UN		8,000					
711-142	REPLACE SOUTH HOUSING PHASE 4			80 UN		11,300					
9c. Real Property Maintenance Backlog This Installation		119,500									
10. Mission or Major Functions: A space wing; the Air Force Technical Applications Center; an Air Combat Command HH-60 rescue squadron and an an HC-130 rescue squadron; and an Air Force Reserve HH-60/HC-130 rescue squadron.											

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION	4. PROJECT TITLE
PATRICK AIR FORCE BASE, FLORIDA	REPLACE SOUTH HOUSING, PHASE 1

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)
8.87.41	711-142	SXHT9940051	9,692

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE MILITARY FAMILY HOUSING	UN	46	87,582	4,029
SUPPORTING FACILITIES				4,721
SITE PREPARATION	LS			(431)
ROADS AND PAVING	LS			(1,799)
UTILITIES	LS			(1,287)
LANDSCAPING	LS			(150)
RECREATION	LS			(150)
DEMOLITION AND ASBESTOS	LS			(904)
SUBTOTAL				8,750
CONTINGENCY (5%)				438
TOTAL CONTRACT COST				9,188
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				505
TOTAL REQUEST				9,692
AREA COST FACTOR		.96		

10. Description of Proposed Construction: Replace 46 housing units. Includes the demolition of 307 units, site clearing, asbestos and lead basepaint removal, replacement/upgrade of utility systems and roads. Provides 3 bedroom units with attached garages. Normal amenities to include appliances, parking, air conditioning, exterior patios, recreational areas, and whole neighborhood improvements.

UNIT TYPE	NET AREA	PROJECT FACTOR	\$/NSM	NO. UNITS	TOTAL COST
JNCO 3BR	111	.99	797	46	4,028,787
				46	4,028,787

11. REQUIREMENT: 2,136 UN ADEQUATE: 1,129 UN SUBSTANDARD: 999 UN
PROJECT: Replace Military Family Housing (Phase 1) (Current Mission).
REQUIREMENT: This project is required to provide modern and efficient replacement housing for military members and their dependents stationed at Patrick AFB. This is the first phase of a multi-phased initiative. This housing replacement will provide a safe, comfortable, and appealing living environment comparable to off-base civilian communities. The replacement housing will provide a modern kitchen, living/dining room, bedrooms and baths, with adequate interior and exterior storage, and a single garage. Exterior parking will be provided for a second occupant vehicle and guest. The basic neighborhood support infrastructure will be replaced to meet modern housing needs. Neighborhood enhancements will include landscaping and recreational areas.
CURRENT SITUATION: Project replaces 46 housing units that were constructed in 1958. The existing units are one story, concrete block

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE	3. INSTALLATION AND LOCATION PATRICK AIR FORCE BASE, FLORIDA	
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE SOUTH HOUSING, PHASE 1	SXHT9940051	
<p>with built up roofs. These houses are showing the effects of age, continuous heavy use, and the degradation due to the corrosive environment on Florida's coast. The built up gravel flat roofs have deteriorated to the point of replacement. Exterior walls have cracks that allow water and moisture to deteriorate housing interiors. The infrastructure (sewer, water, electrical) has deteriorated beyond economic repair. The plumbing and heating/air conditioning systems inside the units have also deteriorated beyond economic repair. The bathrooms are small. Fixtures are outdated and are energy inefficient. Bedrooms are small and lack adequate closet space. Lighting systems throughout the houses are inefficient and are in need of replacement. The units have asbestos in roofs, floor tiles, walls. Lead based paint is present on walls and ceilings.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Air Force members and their families would continue to be housed in unsatisfactory conditions affecting morale and the retention of quality personnel. Without this project, various costly repairs will be required for these units with no improvement in the quality of life.</p> <p><u>ADDITIONAL:</u> 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 78% of the replacement cost. 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. Base Civil Engineer: Lt Col Bryan L. Kuhlmann, (407) 494-4041.</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
PATRICK AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE SOUTH HOUSING, PHASE 1	SXHT9940051	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	97 AUG 04	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1998	35%	
(d) Date 35% Designed.	97 SEP 24	
(e) Date Design Complete	98 JUN 01	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	PATRICK	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	200	
(b) All Other Design Costs	125	
(c) Total	325	
(d) Contract	325	
(e) In-house		
(4) Construction Start		
99 JAN		
b. Equipment associated with this project will be provided from other appropriations: N/A		

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MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT		2. FISCAL YEAR 1999		REPORT CONTROL SYMBOL DD-A&L(AR)1716			
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION							
5. DATA AS OF 1994		a. NAME Patrick AFB			b. LOCATION Florida				
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 -E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		718	1,902	245	2,865	721	1,878	272	2,871
7. PERMANENT PARTY PERSONNEL		718	1,902	245	2,865	721	1,878	272	2,871
8. GROSS FAMILY HOUSING REQUIREMENTS		569	1,489	92	2,150	570	1,465	101	2,136
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		0	160	0	160				
a. INVOLUNTARILY SEPARATED		0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	160	0	160				
c. UNACCEPTABLE HOUSED IN COMMUNITY		0	0	0	0				
10. VOLUNTARY SEPARATIONS		0	0	0	0	0	0	0	0
11. EFFECTIVE HOUSING REQUIREMENTS		569	1,489	92	2,150	570	1,465	101	2,136
12. HOUSING ASSETS (a + b)		575	1,470	92	2,137	569	1,412	108	2,089
a. UNDER MILITARY CONTROL		139	1,203	54	1,396	139	1,056	54	1,249
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		133	1,062	54	1,249	139	1,056	54	1,249
(2) UNDER CONTRACT/APPROVED						0	0	0	0
(3) VACANT		6	141	0	147				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSING		436	287	38	741	430	356	54	840
(1) ACCEPTABLY HOUSED		436	267	38	741				
(2) ACCEPTABLE VACANT RENTAL		0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT		(6)	19	0	13	1	53	(7)	47
14. PROPOSED PROJECT						0	46	0	46
15. REMARKS									
Item 14: This project will demolish a total of 307 units (147 vacant plus 160 occupied) and build 46 units.									

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX			
TYNDALL AIR FORCE BASE, FLORIDA				AIR EDUCATION AND TRAINING COMMAND				0.85			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 96		823	3878	922	34			84	20		5,761
b. End FY 2002		630	3449	847	38			84	20		5,068
7. INVENTORY DATA (\$000)											
a. Total Acreage: (28,906)											
b. Inventory Total As Of: (30 SEP 96)										241,692	
c. Authorization Not Yet In Inventory:										2,600	
d. Authorization Requested In This Program:										14,500	
e. Authorization Included In Following Program: (FY 2000)										6,900	
f. Planned In Next Three Program Years:										17,900	
g. Remaining Deficiency:										17,000	
h. Grand Total:										300,592	
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY		PROJECT TITLE				SCOPE		COST (\$000)		DESIGN STATUS	
CODE										START Cmpl	
711-142		REPLACE MILITARY FAMILY HOUSING (PHASE 5)				122 UN		14,500		AUG 97 MAY 98	
							TOTAL:		14,500		
9a. Future Projects: Included in the Following Program (FY 2000)											
711-142		REPLACE MILITARY FAMILY HOUSING (PHASE 6)				52 UN		6,900			
							TOTAL:		6,900		
9b. Future Projects: Typical Planned Next Three Years:											
711-142		REPLACE MILITARY FAMILY HOUSING (PHASE 7)				40 UN		5,800			
711-142		REPLACE MILITARY FAMILY HOUSING (PHASE 8)				50 UN		7,100			
711-142		REPLACE MILITARY FAMILY HOUSING (PHASE 9)				36 UN		5,000			
9c. Real Property Maintenance Backlog This Installation										86,700	
10. Mission or Major Functions: A fighter wing with three F-15 squadrons responsible for training all F-15 aircrews; Air Combat Command's Headquarters First Air Force, a weapons evaluation group, and Southeast Air Defense Sector; the Air Force Civil Engineering Support Agency; and an Air National Guard air defense detachment (F-16 aircraft).											

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA			2. DATE
AIR FORCE	(computer generated)			
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
TYNDALL AIR FORCE BASE, FLORIDA		REPLACE MILITARY FAMILY HOUSING (PHASE 5)		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)	
8.87.41	711-142	XLWU960101	14,500	

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FY70 APPROPRIATED FAMILY HSG	UN	122	72,739	8,874
SUPPORTING FACILITIES				4,215
SITE PREPARATION	LS			(865)
ROADS AND PAVING	LS			(843)
UTILITIES	LS			(1,022)
OTHER (SPECIFY) GARAGE/DEMO/ENVIRON	LS			(1,485)
SUBTOTAL				13,089
CONTINGENCY (5%)				654
TOTAL CONTRACT COST				13,743
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				756
TOTAL REQUEST				14,500
AREA COST FACTOR		.85		

10. Description of Proposed Construction: Replace 122 housing units. Includes demolition, site clearing, replacement/upgrade of utility systems and roads, and construction of housing units. Provides normal amenities to include parking, air conditioning, appliances, exterior patios and privacy fencing, neighborhood playground and recreation areas. Includes demolition, asbestos, and lead-based paint removal.

UNIT TYPE	NET AREA	PROJECT FACTOR	\$/NSM	NO. UNITS	TOTAL COST
JNCO 2BR	88	.83	797	43	2,503,154
JNCO 3BR	111	.83	797	26	1,909,118
JNCO 4BR	125	.83	797	17	1,405,709
SNCO 3BR	125	.83	797	24	1,984,530
SNCO 4BR	135	.83	797	12	1,071,646
				122	8,874,157

11. REQUIREMENT: 1,846 UN ADEQUATE: 502 UN SUBSTANDARD: 1,344 UN PROJECT: Replace Military Family Housing (Phase 6). (Current Mission). REQUIREMENT: This project is required to provide modern and efficient replacement housing for military members and their dependents stationed at Tyndall AFB. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. Replacement housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. This is the fifth of multiple phases to provide adequate housing for base personnel. Of the 337 housing units to be replaced in this multi-phase initiative, 111 will follow in subsequent phases. The replacement housing will provide a

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION TYNDALL AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE REPLACE MILITARY FAMILY HOUSING (PHASE 5)	5. PROJECT NUMBER XLWU960101	
<p>modern kitchen, living room, family room, bedroom and bath configuration, 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 modern housing needs. Neighborhood improvement will include landscaping and playgrounds.</p> <p><u>CURRENT SITUATION:</u> This project replaces 122 housing units which were constructed in the 1950's. These 41-year-old houses are showing the effects of age and continuous heavy use. They have had no major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Roofs, walls, foundations and exterior pavements require major repair or replacement owing to the effects of age and the environment. Roof structure show signs of rot; leaks have made already inadequate (by today's standards) insulation even less effective. Walls systems are failing due to extensive termite damage. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Housing interiors are generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Kitchens have inadequate storage and counterspace, cabinets are old, and countertops and sinks are badly worn. Flooring throughout the house is worn out, and contains evidence of asbestos. Plumbing and electrical systems do not meet modern building codes. There is no ground fault interruptor circuit protection, and many electrical outlets lack grounding protection. Lighting systems throughout the houses are inefficient and require replacement. Heating and air conditioning systems require upgrade and replacement.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Major morale problems will result if this replacement initiative is not supported. Some families will continue to live in unsuitable housing while others are in new, replaced units. The housing will continue to be occupied until it becomes totally uninhabitable because adequate, affordable off-base housing is not available. The current Housing Market Analysis shows an on-base housing deficit of 174 units. Without this and subsequent phases of this initiative, costly piecemeal repairs will continue, with no improvement in the living quality.</p> <p><u>ADDITIONAL:</u> 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 78% of the replacement cost. 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. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Base Civil Engineer: Maj James Holland, (904) 283-3283.</p>		

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1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
TYNDALL AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE		5. PROJECT NUMBER
REPLACE MILITARY FAMILY HOUSING (PHASE 5)		XLWU960101
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		97 AUG 03
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1998		35%
(d) Date 35% Designed.		97 SEP 24
(e) Date Design Complete		98 MAY 01
(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): (\$000)		
(a) Production of Plans and Specifications		465
(b) All Other Design Costs		
(c) Total		465
(d) Contract		465
(e) In-house		
(4) Construction Start		99 APR
b. Equipment associated with this project will be provided from other appropriations: N/A		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT		2. FISCAL YEAR 1999		REPORT CONTROL SYMBOL DD-A&L(AR)1716			
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION				b. LOCATION			
5. DATA AS OF 1994		a. NAME Tyndall AFB				Florida			
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9-E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		866	2,997	753	4,616	860	2,011	611	3,482
7. PERMANENT PARTY PERSONNEL		866	2,997	753	4,616	860	2,011	611	3,482
8. GROSS FAMILY HOUSING REQUIREMENTS		630	1,855	97	2,482	535	1,230	81	1,846
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		85	435	23	543				
a. INVOLUNTARILY SEPARATED		0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	122	0	122				
c. UNACCEPTABLE HOUSED IN COMMUNITY		85	313	23	421				
10. VOLUNTARY SEPARATIONS		0	0	0	0	0	0	0	0
11. EFFECTIVE HOUSING REQUIREMENTS		530	1,855	97	2,482	535	1,230	81	1,846
12. HOUSING ASSETS (a + b)		445	1,420	74	1,939	453	1,031	66	1,550
a. UNDER MILITARY CONTROL		137	774	36	947	137	774	36	947
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		137	774	36	947	137	774	36	947
(2) UNDER CONTRACT/APPROVED						0	0	0	0
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSING		308	646	38	992	316	257	30	603
(1) ACCEPTABLY HOUSED		308	646	38	992				
(2) ACCEPTABLE VACANT RENTAL		0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT		85	435	23	543	82	199	15	296
14. PROPOSED PROJECT						0	122	0	122
15. REMARKS									

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
AIR FORCE											
3. INSTALLATION AND LOCATION					4. COMMAND			5. AREA CONST COST INDEX			
OFFUTT AIR FORCE BASE, NEBRASKA					AIR COMBAT COMMAND			0.97			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 97		1832	6726	1316				324	189	571	10,958
b. End FY 2003		1577	6418	1439				324	189	571	10,518
7. INVENTORY DATA (\$000)											
a. Total Acreage: (1,923)											
b. Inventory Total As Of: (30 SEP 97) 403,871											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 13,982											
e. Authorization Included In Following Program: (FY 2000) 10,100											
f. Planned In Next Three Program Years: 22,500											
g. Remaining Deficiency: 17,650											
h. Grand Total: 468,103											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START		CMPL	
219-944		HOUSING MAINTENANCE FACILITY		6,300 SF		900		AUG 97		MAY 98	
610-119		HOUSING MANAGEMENT FACILITY		5,000 SF		870		AUG 97		MAY 98	
711-142		REPLACE MILITARY FAMILY HOUSING (PH 4)		90 UN		12,212		AUG 97		MAY 98	
						TOTAL:				13,982	
9a. Future Projects: Included in the Following Program (FY 2000)											
711-142		REPLACE MILITARY FAMILY HOUSING -- PH 2		70 UN		10,100					
						TOTAL:				10,100	
9b. Future Projects: Typical Planned Next Three Years:											
711-142		REPLACE WHERRY HOUSING (PH3)		68 UN		10,500					
711-142		REPLACE WHERRY HOUSING (PH4)		76 UN		12,000					
9c. Real Property Maintenance Backlog This Installation										187,600	
10. Mission or Major Functions: Headquarters United States Strategic Command; a flying wing which consists of two RC-135/OC-135/TC-135 reconnaissance squadrons, two E-4/EC-135 airborne command and control squadrons, that maintain a modified alert posture, C-21 aircraft; two intelligence squadrons; a space operation squadron; and Air Force Weather Agency.											

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
AIR FORCE		(computer generated)				
3. INSTALLATION AND LOCATION				4. PROJECT TITLE		
OFFUTT AIR FORCE BASE, NEBRASKA				REPLACE MILITARY FAMILY HOUSING (PH 4)		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)			
8.87.41	711-142	SGBP990004	12,212			
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
REPLACE MILITARY FAMILY HOUSING		UN	90	69,435	6,249	
SUPPORTING FACILITIES					4,723	
COMMON NEIGHBORHOOD IMPROVEMENTS		LS			(1,531)	
PAVEMENTS		LS			(458)	
GARAGES, STORAGE, CIRCULATION SPACE		LS			(1,054)	
UTILITIES		LS			(656)	
LANDSCAPING		LS			(298)	
DEMOLITION & ENVIRONMENTAL (ASB/LBP)					(452)	
SPECIAL CONST FEATURES (EXCV/FOUND)					(274)	
SUBTOTAL					10,972	
CONTINGENCY (5%)					549	
TOTAL CONTRACT COST					11,521	
SUPERVISION, INSPECTION AND OVERHEAD (6%)					691	
TOTAL REQUEST					12,212	
AREA COST FACTOR			.97			
10. Description of Proposed Construction: Replace 90 housing units. Includes demolition, site clearing, replacement/upgrade of utility systems and roads, and design and construction of quadriplex family units. Includes excavation and basements. Provides normal amenities to include appliances, garages, parking, air conditioning, patios, privacy fences, neighborhood playgrounds and disposal of asbestos and lead paint.						
	UNIT TYPE	NET AREA	PROJECT FACTOR	\$/NSM	NO. UNITS	TOTAL COST
	JNCO 2BR	88	.99	797	90	6,249,118
					90	6,249,118
11. REQUIREMENT: 2,694 UN ADEQUATE: 366 UN SUBSTANDARD: 2,230 UN PROJECT: Replace Military Family Housing (Phase 4). (Current Mission) REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at Offutt AFB. All units will meet "whole house" standards and are programmed in accordance with Phase 1 of the Housing Community Plan. Replacement housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. This is the first of multiple phases to replace 545 Wherry housing units. The replacement housing will provide a modern kitchen, living room, dining room and bath configuration, with ample interior and exterior storage, and a garage. The basic neighborhood support infrastructure will be upgraded to meet modern housing needs. Neighborhood enhancements will include landscaping, playgrounds, and recreation areas. Climatic and site conditions require special consideration be given to foundation design and will require						

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
OFFUTT AIR FORCE BASE, NEBRASKA		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE MILITARY FAMILY HOUSING (PH 4)	SGBP990004	
<p>extensive excavation and soil stabilization, and may require basements.</p> <p><u>CURRENT SITUATION:</u> This project replaces housing units that were constructed in the 1950s and are showing the effects of age and continuous heavy use. Foundations are failing and several units have been demolished for safety of the personnel. Roofs, floors, and exterior pavements require major repairs or replacement. Plumbing and electrical systems are antiquated, require frequent maintenance and repair, and do not meet current standards for efficiency or safety. Housing interiors are generally inadequate by modern standards. Bedrooms are small and lack closet space. Bathrooms are small and fixtures are outdated. Kitchens have inadequate storage and counter space. Cabinets, countertops and sinks are badly worn. Heating for each eight-plex is provided by a central boiler resulting in significant problems regulating temperatures for the various needs of personnel in adjacent units. There are no garages, and existing parking is insufficient and inconvenient. Housing density is excessive with mostly eight-plex units, creating an undesirable living environment. Replacement units will be spread out over adjacent vacant space to reduce density. This project demolishes and replaces 48 existing units, and replaces an additional 34 units which became uninhabitable and were demolished for safety reasons in FY93 (roof and foundation failures).</p> <p><u>IMPACT IF NOT PROVIDED:</u> Air Force members and their families will continue to live in extremely unsuitable housing. The housing will continue to deteriorate with age, resulting in increased maintenance and repair costs, and extreme inconvenience to the occupants. Units will fail structurally and endanger the lives of the occupants. Piecemeal repairs will continue to be accomplished with little or no substantive improvement in occupant quality of life. These deficiencies will continue to adversely affect the morale of all personnel assigned to the base. The current Housing Market Analysis shows an on-base deficit of 98 housing units.</p> <p><u>ADDITIONAL:</u> his project meets the c riteria/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, 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 improvement cost option is 90% of the replacement cost. The supervision, inspection and overhead is 6 percent due to the Army Corp of Engineer is the design/construction agent. Base Civil Engineer: Col Michael Patrick, (402) 294-5500.</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
OFFUTT AIR FORCE BASE, NEBRASKA		
4. PROJECT TITLE		5. PROJECT NUMBER
REPLACE MILITARY FAMILY HOUSING (PH 4)		SGBP990004
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		97 AUG 05
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1998		35%
(d) Date 35% Designed.		97 SEP 22
(e) Date Design Complete		98 MAY 25
(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): (\$000)		
(a) Production of Plans and Specifications		450
(b) All Other Design Costs		
(c) Total		450
(d) Contract		450
(e) In-house		
(4) Construction Start		99 APR
b. Equipment associated with this project will be provided from other appropriations: N/A		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT			2. FISCAL YEAR 1999		REPORT CONTROL SYMBOL DD-A&L(AR)1716		
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION				b. LOCATION			
5. DATA AS OF 1996		a. NAME Offutt AFB			Nebraska				
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9-E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		2,152	5,618	1,306	9,076	2,013	5,482	1,252	8,747
7. PERMANENT PARTY PERSONNEL		2,152	5,618	1,306	9,076	2,013	5,482	1,252	8,747
8. GROSS FAMILY HOUSING REQUIREMENTS		1,702	4,147	396	6,245	1,603	4,052	380	6,035
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		38	163	31	232				
a. INVOLUNTARILY SEPARATED		0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	90	0	90				
c. UNACCEPTABLE HOUSED IN COMMUNITY		38	73	31	142				
10. VOLUNTARY SEPARATIONS		0	0	0	0	0	0	0	0
11. EFFECTIVE HOUSING REQUIREMENTS		1,702	4,147	396	6,245	1,603	4,052	380	6,035
12. HOUSING ASSETS (a + b)		1,664	3,984	365	6,013	1,572	3,893	354	5,819
a. UNDER MILITARY CONTROL		337	2,185	0	2,522	335	2,179	0	2,514
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		337	2,185	0	2,522	335	2,179	0	2,514
(2) UNDER CONTRACT/APPROVED						0	0	0	0
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSING		1,327	1,799	365	3,491	1,237	1,714	354	3,305
(1) ACCEPTABLY HOUSED		1,327	1,799	365	3,491				
(2) ACCEPTABLE VACANT RENTAL		0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT		38	163	31	232	31	159	26	216
14. PROPOSED PROJECT						0	90	0	90

15. REMARKS

Item 12 a.(1)(h): An evaluation was performed indicating eight MFH units had exceeded their economic life and are scheduled to be demolished.

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA			2. DATE
AIR FORCE	(computer generated)			
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
OFFUTT AIR FORCE BASE, NEBRASKA		HOUSING MANAGEMENT FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
8.87.41	610-119	SGBP970004	870	

9. COST ESTIMATES

ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE HOUSING MANAGEMENT OFFICE	SM	465	1,183	550
SUPPORTING FACILITIES				232
SEWER & WATER LINES	LS			(20)
PAVEMENTS	LS			(100)
LANDSCAPING	LS			(54)
DEMOLITION	LS			(15)
SYSTEMS FURNITURE	LS			(43)
SUBTOTAL				782
CONTINGENCY (5%)				39
TOTAL CONTRACT COST				821
SUPERVISION, INSPECTION AND OVERHEAD (6%)				49
TOTAL REQUEST				870
AREA COST FACTOR		0.97		

10. Description of Proposed Construction: Replace housing management office. Includes site preparation, slab on grade, splitface concrete masonry walls, sloped standing seam metal roof, and decorative interior finishings. Provides offices, restrooms, counseling/meeting rooms, customer waiting area, computer equipment room, and interior/exterior child play areas. Includes utilities, parking, landscaping, & demolition. Air Conditioning: 15 KW.

11. REQUIREMENT: 465 SM ADEQUATE: 0 SUBSTANDARD: 445 SM
PROJECT: Replace Housing Management Office. (Current Mission)
REQUIREMENT: An adequate facility is required for managing base owned and operated accompanied and unaccompanied housing assets, for assisting all arriving personnel in finding adequate on or off-base housing, and for managing furnishings for authorized base personnel. The facility must be located for convenient access by all personnel. It must be handicapped 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 area, a customer referral area with multiple telephones, a computer room, and storage space for equipment and publications, a kitchen area for use by families, and interior and exterior play areas for children of customers. Exterior play areas must be provided with recreation equipment and be fenced for security. The facility exterior requires landscaping to enhance customer appeal.
CURRENT SITUATION: The existing Housing Management facility is located on the main base, approximately four miles from the base housing area and 79

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1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION OFFUTT AIR FORCE BASE, NEBRASKA		
4. PROJECT TITLE HOUSING MANAGEMENT FACILITY	5. PROJECT NUMBER SGBP970004	
<p>percent of managed housing units. The facility is located in a very crowded and congested industrial area with no expansion capability. Parking is inadequate and a continuous problem as customers compete with the heavy traffic, including major truck traffic in this industrial complex. It is poorly located for serving accompanied or unaccompanied customers and for effective conduct of normal housing management activities. Considerable extra time is spent each time housing inspectors travel between the office and area of greatest work. The housing management office provides a vital service to over 10,500 permanent party personnel and manages 2,632 family housing units. In addition, the office serves all base unaccompanied personnel and manages 846 dormitory rooms. The existing facility will be demolished upon completion of this project.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The ability to service customers will be degraded by the poor accessibility of the current location. The majority of customers and the housing inspection staff will spend an extra half-hour per trip transiting the base and traveling to and from the primary housing area. Facilities will not be located as recommended in the Housing Community Plan.</p> <p><u>ADDITIONAL:</u> This project meets the criteria and scope specified in the "Air Force Housing Support Facilities Guide." The supervision, inspection and overhead is 6 percent due to the Army Corp of Engineer is the design.construction agent. Base Civil Engineer: Col Michael Patrick, (402) 294-5500.</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
OFFUTT AIR FORCE BASE, NEBRASKA		
4. PROJECT TITLE		5. PROJECT NUMBER
HOUSING MANAGEMENT FACILITY		SGBP970004
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		97 AUG 03
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1998		35%
(d) Date 35% Designed.		97 SEP 24
(e) Date Design Complete		98 MAY 05
(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): (\$000)		
(a) Production of Plans and Specifications		90
(b) All Other Design Costs		
(c) Total		90
(d) Contract		
(e) In-house		90
(4) Construction Start		99 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

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1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
OFFUTT AIR FORCE BASE, NEBRASKA			HOUSING MAINTENANCE FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
8.87.41	219-944	SGBP970019	900		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE HOUSING MAINTENANCE FACILITY		LS			710
HOUSING MAINTENANCE FACILITY		SM	585	1,034	(605)
COVERED STORAGE		SM	278	378	(105)
SUPPORTING FACILITIES					99
DEMOLITION & ENVIRONMENTAL (ASB/LBP)		LS			(28)
PARKING LOT/SIDEWALKS/DRIVES		LS			(71)
SUBTOTAL					809
CONTINGENCY (5%)					40
TOTAL CONTRACT COST					849
SUPERVISION, INSPECTION AND OVERHEAD (6%)					51
TOTAL REQUEST					900
AREA COST FACTOR		0.97			
10. Description of Proposed Construction: Construct housing maintenance facility. Includes site preparation, and exterior appearance compatible with the surrounding housing area. Project will include off-street customer and employee parking, sidewalks, exterior lighting, exterior covered storage, landscaping, and demolition of three existing facilities. Also includes asbestos and lead based paint removal. Air Conditioning: 15 KW.					
11. REQUIREMENT: 863 SF ADEQUATE: 0 SUBSTANDARD: 464 SF PROJECT: Replace Housing Maintenance Facility. (Current Mission) REQUIREMENT: Construct a new Housing Maintenance Facility designed in accordance with the Housing Support Facilities Guide for a Large Housing Maintenance Facility. Consolidate two separate working stock storage locations into one and increase the square footage by 885 sf. Demolish the existing maintenance facility and restore the site to green space. Vacate and demolish two unoccupiable housing units currently used for working stock storage. CURRENT SITUATION: The existing Housing Maintenance Facility is an uninsulated metal building constructed in 1966. The facility has deteriorated electrical and sewer systems. The roof structure has failed causing extensive damage to the interiors. There is inadequate parking to support U-Fix-It Store customers, maintenance contractor vehicles, and delivery trucks. There is no automated fire suppression system or fire alarm system. Wing Safety has evaluated the existing maintenance facility and determined that "Storage and working space is inadequate for items stored and job tasks performed." Working stock for housing maintenance is stored in two unoccupiable housing units located five miles from the main					

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION OFFUTT AIR FORCE BASE, NEBRASKA		
4. PROJECT TITLE HOUSING MAINTENANCE FACILITY	5. PROJECT NUMBER SGBP970019	
<p>housing area. These facilities are severely deteriorated and are no longer useable.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The existing building will continue to deteriorate until it becomes unsafe for housing maintenance personnel to work in. The maintenance operation will continue to be severely constrained by the lack of adequate facilities. Timeliness of maintenance operations will continue to be constrained by the remote location of stock inventory. The ability to place the parts where and when they are needed will continue to be confusing. The existing building will continue to detract from the community and present an unprofessional appearance.</p> <p><u>ADDITIONAL:</u> This project meets the criteria and scope specified in the Department of the Air Force, "Air Force Housing Support Facilities Guide". The supervision, inspection and overhead is 6 percent due to the Army Corp of Engineer is the design/construction agent. Base Civil Engineer: Col Michael Patrick, (402) 294-5500.</p>		

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1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
OFFUTT AIR FORCE BASE, NEBRASKA		
4. PROJECT TITLE	5. PROJECT NUMBER	
HOUSING MAINTENANCE FACILITY	SGBP970019	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		97 AUG 03
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1998		35%
(d) Date 35% Designed.		97 SEP 20
(e) Date Design Complete		98 MAY 14
(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): (\$000)		
(a) Production of Plans and Specifications		90
(b) All Other Design Costs		
(c) Total		90
(d) Contract		
(e) In-house		90
(4) Construction Start		99 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)									2. DATE	
3. INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO						4. COMMAND AIR FORCE MATERIEL COMMAND			5. AREA CONST COST INDEX 0.96		
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 97		1393	2910	2637				190	396	821	9,347
b. End FY 2003		1342	2917	2667				190	396	821	9,333
7. INVENTORY DATA (\$000)											
a. Total Acreage: (44,025)											
b. Inventory Total As Of: (30 SEP 97)										513,491	
c. Authorization Not Yet In Inventory:										0	
d. Authorization Requested In This Program:										6,400	
e. Authorization Included In Following Program: (FY 2000)										5,000	
f. Planned In Next Three Program Years:										12,000	
g. Remaining Deficiency:										0	
h. Grand Total:										536,891	
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY						COST		DESIGN		STATUS	
CODE		PROJECT TITLE				SCOPE		(\$000)		START	CMLP
711-142		REPLACE LOOP MFH PHASE 5				37 UN		6,400		AUG 97	MAY 98
						TOTAL:		6,400			
9a. Future Projects: Included in the Following Program (FY 2000)											
711-142		FY70 APPROPRIATED FAMILY HSG				30 UN		5,000			
						TOTAL:		5,000			
9b. Future Projects: Typical Planned Next Three Years:											
711-142		FY70 APPROPRIATED FAMILY HSG				44 UN		7,700			
711-142		FY70 APPROPRIATED FAMILY HSG				22 UN		4,300			
9c. Real Property Maintenance Backlog This Installation										130,200	
10. Mission or Major Functions: Phillips Laboratory; the Air Force Operational Test and Evaluation Center; an Air Education and Training Command special operations wing with three flying training squadrons operating MH-53, TH-53, UH-1, HH-60, MC-130 and HC 130 aircraft; an air base wing; Air Force Security Forces Center; and an Air National Guard fighter wing with F-16s.											

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE		
AIR FORCE						
3. INSTALLATION AND LOCATION			4. PROJECT TITLE			
KIRTLAND AIR FORCE BASE, NEW MEXICO			REPLACE LOOP MILITARY FAMILY HOUSING PHASE 5			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)			
8.87.41	711-142	MHMOV994002	6,400			
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
REPLACE FAMILY HOUSING		UN	37	96,636	3,576	
SUPPORTING FACILITIES					2,202	
SITE PREPARATION		LS			(321)	
ROADS AND PAVING		LS			(401)	
UTILITIES		LS			(127)	
LANDSCAPING		LS			(83)	
DEMOLITION AND ENVIRONMENTAL		LS			(1,270)	
SUBTOTAL					5,778	
CONTINGENCY (5%)					289	
TOTAL CONTRACT COST					6,067	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)					334	
TOTAL REQUEST					6,400	
AREA COST FACTOR			.96			
10. Description of Proposed Construction: Replace 27 CGO and 10 SNCO family housing units. Project consists of demolition of existing housing, asbestos and lead-based paint removal, and construction of replacement units with associated single car garages. Provides appliances, patios with privacy fences, storage areas, and trash can enclosures. Site preparation support includes utility repair and landscaping.						
	UNIT TYPE	NET AREA	PROJECT FACTOR	\$/NSM	NO. UNITS	TOTAL COST
	SNCO 3BR	125	.97	797	10	966,363
	CGO 3BR	125	.97	797	27	2,609,179
					37	3,575,542
11. REQUIREMENT: 3,747 UN ADEQUATE: 1,852 UN SUBSTANDARD: 1,895 UN PROJECT: Replace 37 CGO/SNCO MFH units, Phase 5. (Current Mission) REQUIREMENT: This project is required to provide modern and efficient replacement housing for military members and their dependents assigned to Kirtland AFB. All units will meet "whole house" standards and are programmed in accordance with phase A of the Housing Community Plan. Replacement housing will provide a safe, appealing living environment comparable to that found in the civilian community. This is the fifth of multiple phases to provide adequate housing for base personnel. Of the 356 units to be replaced in the multi-phase initiative, 230 are included in prior programs, and 89 will follow in subsequent phases. The replacement housing will provide a modern kitchen, living room, family room, bedroom and bath configuration, with ample interior and exterior storage and a single car garage. The basic neighborhood infrastructure						

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
KIRTLAND AIR FORCE BASE, NEW MEXICO		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE LOOP MILITARY FAMILY HOUSING PHASE 5	MHMV994002	
<p>will be upgraded to meet modern housing needs.</p> <p><u>CURRENT SITUATION:</u> This project replaces 37 housing units that were constructed in 1947-48. These 50-year-old houses are showing the effects of age and continuous heavy use. They have had no major upgrade since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. The units lack common features found in homes off-base such as family rooms and master baths. The flat roofs require frequent emergency stop-gap maintenance. Asbestos is present in the flooring, insulation, interior walls, and roofing of each of these units. The plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. These units have outlived their useful life; replacement is the most logical method to provide acceptable housing for these members and their families.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Major morale problems will result if this replacement initiative is not supported. Some people will continue to occupy unsuitable housing while neighbors are in new, replaced units. Asbestos and lead-based paint will remain in the units, possibly exposing people to a known hazardous material. The housing will continue to be occupied until it becomes uninhabitable because adequate, affordable housing is not available. Maintenance of these units will be costly due to the deteriorating building systems and inadequate energy conservation design.</p> <p><u>ADDITIONAL:</u> 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 replacement, improvement, leasing and status quo operation. The cost to improve this housing is 82% of the replacement cost. Based on the net present values and benefits of the respective alternatives, replacement 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. Base Civil Engineer: Col Michael Cuddihee (505) 846-7916.</p>		

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1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE																								
3. INSTALLATION AND LOCATION KIRTLAND AIR FORCE BASE, NEW MEXICO																										
4. PROJECT TITLE REPLACE LOOP MILITARY FAMILY HOUSING PHASE 5	5. PROJECT NUMBER MHMV994002																									
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>97 AUG 20</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>N</td> </tr> <tr> <td>(c) Percent Complete as of Jan 1998</td> <td>35%</td> </tr> <tr> <td>(d) Date 35% Designed.</td> <td>97 SEP 23</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>98 MAY 20</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>220</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td></td> </tr> <tr> <td>(c) Total</td> <td>220</td> </tr> <tr> <td>(d) Contract</td> <td></td> </tr> <tr> <td>(e) In-house</td> <td>220</td> </tr> </table> <p>(4) Construction Start 99 APR</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(a) Date Design Started	97 AUG 20	(b) Parametric Cost Estimates used to develop costs	N	(c) Percent Complete as of Jan 1998	35%	(d) Date 35% Designed.	97 SEP 23	(e) Date Design Complete	98 MAY 20	(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used -	N/A	(a) Production of Plans and Specifications	220	(b) All Other Design Costs		(c) Total	220	(d) Contract		(e) In-house	220
(a) Date Design Started	97 AUG 20																									
(b) Parametric Cost Estimates used to develop costs	N																									
(c) Percent Complete as of Jan 1998	35%																									
(d) Date 35% Designed.	97 SEP 23																									
(e) Date Design Complete	98 MAY 20																									
(a) Standard or Definitive Design -	NO																									
(b) Where Design Was Most Recently Used -	N/A																									
(a) Production of Plans and Specifications	220																									
(b) All Other Design Costs																										
(c) Total	220																									
(d) Contract																										
(e) In-house	220																									

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT		2. FISCAL YEAR 1999		REPORT CONTROL SYMBOL DD-A&L(AR)1716		
3. DOD COMPONENT AIR FORCE	4. REPORTING INSTALLATION			b. LOCATION				
5. DATA AS OF 1996	a. NAME Kirtland AFB			New Mexico				
ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 - E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	1,687	3,106	824	5,617	1,636	2,739	731	5,106
7. PERMANENT PARTY PERSONNEL	1,687	3,106	824	5,617	1,636	2,739	731	5,106
8. GROSS FAMILY HOUSING REQUIREMENTS	1,370	2,487	289	4,126	1,312	2,195	240	3,747
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	42	46	12	100				
a. INVOLUNTARILY SEPARATED	0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	27	10	0	37				
c. UNACCEPTABLE HOUSED IN COMMUNITY	15	36	12	63				
10. VOLUNTARY SEPARATIONS	0	0	0	0	0	0	0	0
11. EFFECTIVE HOUSING REQUIREMENTS	1,370	2,487	269	4,126	1,312	2,195	240	3,747
12. HOUSING ASSETS (a + b)	1,328	2,441	267	4,028	1,279	2,170	228	3,677
a. UNDER MILITARY CONTROL	289	1,568	141	1,998	289	1,648	141	2,078
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED	289	1,568	141	1,998	289	1,568	141	1,998
(2) UNDER CONTRACT/APPROVED					0	80	0	80
(3) VACANT	0	0	0	0				
(4) INACTIVE	0	0	0	0				
b. PRIVATE HOUSING	1,039	873	116	2,028	990	522	87	1,599
(1) ACCEPTABLY HOUSED	1,039	873	116	2,028				
(2) ACCEPTABLE VACANT RENTAL	0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT	42	46	12	100	33	25	12	70
14. PROPOSED PROJECT					27	10	0	37
15. REMARKS								

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
WRIGHT-PATTERSON				AIR FORCE				COST INDEX			
AIR FORCE BASE, OHIO				MATERIEL COMMAND				0.96			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 97		3344	3076	12549				81	138	169	23,357
b. End FY 2003		3039	2947	11010				81	138	169	21,384
7. INVENTORY DATA (\$000)											
a. Total Acreage: (8,145)											
b. Inventory Total As Of: (30 SEP 97) 934,655											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 5,600											
e. Authorization Included In Following Program: (FY 2000) 0											
f. Planned In Next Three Program Years: 0											
g. Remaining Deficiency: 0											
h. Grand Total: 940,255											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START		Cmpl	
711-142		REPLACE PAGE MANOR MFH		40 UN		5,600		AUG 97		JUN 98	
						TOTAL:		5,600			
9a. Future Projects: Included in the Following Program (FY 2000) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
9c. Real Property Maintenance Backlog This Installation 100,400											
10. Mission or Major Functions: AFMC Headquarters responsible for management, command, control and direction of worldwide logistics support for aircraft weapons systems, missiles and related components; Air Force Wright Aeronautical Laboratories including Materials, Avionics, Flight Dynamics and Aeropropulsion; Wright Laboratory; the Air Force Institute of Technology (AFIT); the Air Force Museum; an Air Force Reserve wing with two C-141 airlift squadrons; and an AFMC base wing with one C-21 logistics group.											

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE		
AIR FORCE						
3. INSTALLATION AND LOCATION	4. PROJECT TITLE					
WRIGHT-PATTERSON AIR FORCE BASE, OHIO	REPLACE PAGE MANOR MFH					
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)			
8.87.41	711-142	ZHTV820016R	5,600			
9. COST ESTIMATES						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
REPLACE FAMILY HOUSING	UN	40	94,977	3,799		
SUPPORTING FACILITIES				1,256		
SITE PREPARATION	LS			(49)		
ROADS AND PAVING	LS			(127)		
UTILITIES	LS			(142)		
LANDSCAPING	LS			(39)		
RECREATION	LS			(31)		
SPECIAL CONSTRUCTION FEATURES	LS			(136)		
DEMOLITION, ASBESTOS, LB PAINT	LS			(733)		
SUBTOTAL				5,055		
CONTINGENCY (5%)				253		
TOTAL CONTRACT COST				5,308		
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				292		
TOTAL REQUEST				5,600		
AREA COST FACTOR		.96				
10. Description of Proposed Construction: Demolish 90 family housing units and replace 40 units. Project consists of demolition, asbestos/lead-based paint removal, and construction of housing units with associated single car garages. Provides appliances, patios with privacy fences, storage areas, and trash can enclosures. Site preparation support includes utility repair and landscaping.						
	UNIT TYPE	NET AREA	PROJECT FACTOR	\$/NSM	NO. UNITS	TOTAL COST
	SNCO 2BR	88	.98	797	8	549,866
	SNCO 3BR	125	.98	797	16	1,562,120
	SNCO 4BR	135	.98	797	16	1,687,090
					40	3,799,076
11. REQUIREMENT: 5,422 UN ADEQUATE: 4,083 UN SUBSTANDARD: 1,339 UN PROJECT: Demolish 90 and replace 40 Military Family Housing Units. (Current Mission)						
REQUIREMENT: This project is required to provide modern and efficient replacement housing for military members and their dependents assigned to Wright-Patterson AFB. All units will meet "whole house" standards and are programmed in accordance with phase A of the Housing Community Plan. Replacement housing will provide a safe, appealing living environment comparable to that found in the civilian community. This is the twelfth of multiple phases but the first phase of replacement construction to provide adequate housing for base personnel. The replacement housing will provide a modern kitchen, living room, family room, bedroom and bath configuration, with ample interior and exterior storage and single car						

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1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
WRIGHT-PATTERSON AIR FORCE BASE, OHIO		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE PAGE MANOR MFH	ZHTV820016R	
<p>garage. The basic neighborhood infrastructure will be upgraded to meet modern housing needs.</p> <p><u>CURRENT SITUATION:</u> This project replaces 40 Wherry housing units constructed in the 1950s. These old houses are showing the effects of age and continuous heavy use. They have had no major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. The units lack common features found in homes off-base such as family rooms and master baths. The flat roofs require frequent emergency maintenance. Asbestos is present in the flooring, insulation, interior walls, and roofing of each of these units. Lead-based paint is present on both the interior and exterior of the units. The plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. These units are at the end of their useful life; replacement is the most economical method to provide acceptable housing for these members and their families.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Major morale problems will result if this replacement initiative is not supported. Some people will continue to occupy unsuitable housing while neighbors and friends are in new, replaced units. Asbestos and lead-based paint will remain in the units. The housing will continue to be occupied until it becomes uninhabitable because adequate, affordable housing is not available. Maintenance and operation of these units will be costly due to the deteriorating building systems and non-existent energy efficient construction.</p> <p><u>ADDITIONAL:</u> 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, replacement construction was found to be the most cost efficient over the life of the project. The cost to improve this housing is 81.4% of the replacement cost. This project meets the criteria/scop 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. Base Civil Engineer: Col Louis F. Hauck (937)257-6214.</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
WRIGHT-PATTERSON AIR FORCE BASE, OHIO		
4. PROJECT TITLE		5. PROJECT NUMBER
REPLACE PAGE MANOR MFH		ZHTV820016R
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		97 AUG 02
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1998		35%
(d) Date 35% Designed.		97 SEP 22
(e) Date Design Complete		98 JUN 15
(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): (\$000)		
(a) Production of Plans and Specifications		200
(b) All Other Design Costs		
(c) Total		200
(d) Contract		200
(e) In-house		
(4) Construction Start		99 MAY
b. Equipment associated with this project will be provided from other appropriations: N/A		

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MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT		2. FISCAL YEAR 1999		REPORT CONTROL SYMBOL DD-A&L(AR)1716		
3. DOD COMPONENT AIR FORCE	4. REPORTING INSTALLATION			b. LOCATION				
5. DATA AS OF 1995	a. NAME Wright Patterson AFB			Ohio				
ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9-E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	5,854	4,497	724	11,075	4,524	3,562	613	8,699
7. PERMANENT PARTY PERSONNEL	5,854	4,497	724	11,075	4,524	3,562	613	8,699
8. GROSS FAMILY HOUSING REQUIREMENTS	3,951	2,509	494	6,954	3,076	1,928	418	5,422
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	155	90	0	245				
a. INVOLUNTARILY SEPARATED	0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED	0	90	0	90				
c. UNACCEPTABLE HOUSED IN COMMUNITY	(4)	70	15	81				
10. VOLUNTARY SEPARATIONS	0	0	0	0	0	0	0	0
11. EFFECTIVE HOUSING REQUIREMENTS	3,951	2,509	494	6,954	3,076	1,928	418	5,422
12. HOUSING ASSETS (a + b)	3,796	2,548	763	7,107	3,058	1,800	710	5,568
a. UNDER MILITARY CONTROL	1,211	822	236	2,269	1,211	822	236	2,269
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED	102	978	120	1,200	# 102	978	120	1,200
(2) UNDER CONTRACT/APPROVED					0	0	0	0
(3) VACANT	0	0	0	0				
(4) INACTIVE	0	0	0	0				
b. PRIVATE HOUSING	2,585	1,676	527	4,788	1,847	978	474	3,299
(1) ACCEPTABLY HOUSED	2,585	1,597	258	4,440				
(2) ACCEPTABLE VACANT RENTAL	0	79	269	348				
13. EFFECTIVE HOUSING DEFICIT	155	(39)	(269)	(153)	18	128	(292)	(148)
14. PROPOSED PROJECT					0	40	0	40
15. REMARKS								
Item 14: This project will demolish 90 units and build 40 units.								

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)									2. DATE
AIR FORCE										
3. INSTALLATION AND LOCATION	4. COMMAND			5. AREA CONST COST INDEX						
DYESS AIR FORCE BASE, TEXAS	AIR COMBAT COMMAND			0.86						
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 97	693	4119	382							5,194
b. End FY 2003	720	4265	382							5,367
7. INVENTORY DATA (\$000)										
a. Total Acreage:	(6,367)									
b. Inventory Total As Of:	(30 SEP 97)									268,268
c. Authorization Not Yet In Inventory:										26,100
d. Authorization Requested In This Program:										9,415
e. Authorization Included In Following Program:	(FY 2000)									0
f. Planned In Next Three Program Years:										9,750
g. Remaining Deficiency:										66,050
h. Grand Total:										379,583
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999										
CATEGORY						COST	DESIGN	STATUS		
CODE	PROJECT TITLE			SCOPE		(\$000)	START	CMPL		
711-142	CONSTRUCT MILITARY FAMILY HOUSING (PH 2)			64 UN		9,415	AUG 97	MAY 98		
TOTAL:						9,415				
9a. Future Projects: Included in the Following Program (FY 2000) NONE										
9b. Future Projects: Typical Planned Next Three Years:										
711-142	CONSTRUCT MILITARY FAMILY HOUSING (PH 3)			64 UN		9,750				
9c. Real Property Maintenance Backlog This Installation 94,900										
10. Mission or Major Functions: A wing with two B-1 bomb squadrons, one of which is responsible for training all B-1 aircrews, and an airlift group with two C-130.										

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
DYESS AIR FORCE BASE, TEXAS			CONSTRUCT MILITARY FAMILY HOUSING (PH 2)		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
8.87.41	711-142	FNWZ990002	9,415		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
CONSTRUCT MILITARY FAMILY HOUSING		UN	64	61,720	3,950
SUPPORTING FACILITIES					4,509
SITE PREPARATION		LS			(951)
ROADS AND PAVING		LS			(875)
UTILITIES		LS			(1,160)
LANDSCAPING		LS			(263)
RECREATION		LS			(181)
OTHER (SPECIFY) ROAD BRIDGE		LS			(1,079)
SUBTOTAL					8,459
CONTINGENCY (5%)					423
TOTAL CONTRACT COST					8,882
SUPERVISION, INSPECTION AND OVERHEAD (6%)					533
TOTAL REQUEST					9,415
AREA COST FACTOR			.86		
10. Description of Proposed Construction: Construct 64 family housing units with all necessary support facilities. Includes site development, utilities, roads and access bridge, off-street parking, sidewalks, street lighting, garages, storage, patios, privacy fencing, air conditioning, appliances, recreation areas, landscaping, fire protection, energy conservation features, and neighborhood improvements.					
	NET	PROJECT	\$/	NO.	
<u>UNIT TYPE</u>	<u>AREA</u>	<u>FACTOR</u>	<u>NSM</u>	<u>UNITS</u>	<u>TOTAL COST</u>
JNCO 2BR	88	.88	797	64	3,950,060
				64	3,950,060
11. REQUIREMENT: 2,788 UN ADEQUATE: 965 UN SUBSTANDARD: 1,161 UN PROJECT: Construct Military Family Housing (Ph 2). (Current Mission) REQUIREMENT: This project is required to provide modern and efficient housing for military members and their families stationed at Dyess AFB. All units will meet "whole house" standards. This is the second of multiple phases to provide adequate housing and eliminate a serious housing deficit. This housing will provide a safe, comfortable, and appealing living environment comparable to the off-base community. The units will include a modern kitchen, living room, dining room, and bathroom configuration, with sufficient interior and exterior storage. Single car garages and additional parking for a second car and visitors will be provided. Neighborhood support facilities will include access roads, infrastructure, landscaping, playgrounds, and recreational areas. This project is programmed in accordance with Phase A of the Housing Community Plan. Site access roads need significant upgrades to ensure					

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION DYESS AIR FORCE BASE, TEXAS		
4. PROJECT TITLE CONSTRUCT MILITARY FAMILY HOUSING (PH 2)	5. PROJECT NUMBER FNWZ990002	
<p>safety of the occupants, including construction of a bridge over a storm drainage creek.</p> <p><u>CURRENT SITUATION:</u> The community surrounding the base does not have sufficient housing to adequately support base personnel. The current Housing Market Analysis indicates a deficit of 592 housing units (after execution of 70 units in the FY98 program). The largest deficiency is in the 2-bedroom junior NCO category. These families can least afford to live off base.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Families will continue to live in expensive and substandard off-base housing, or be forced to endure involuntary separations pending assignment into military family housing. Mission execution will suffer from the affects of low morale and increased stress due to poor living conditions and financial strains on families.</p> <p><u>ADDITIONAL:</u> This project meets the criteria and scope specifications in Part II of Military Handbook 1190, "Facility Planning and Design Guide." Siting is in compliance with the Housing Community Plan and the Base Comprehensive Plan. The local school authority has been contacted and indicated it has the capability to accept the increase in student population generated by this project. An economic analysis has been prepared comparing the alternatives of construction, leasing, and status quo. Based on the net present values and benefits of the respective alternatives, construction was found to be the most cost effective. The supervision, inspection and overhead is 6 percent due to the Army Corp of Engineer is the design/construction agent. Base Civil Engineer: Lt Col David Sweat, (915) 696-2250.</p>		

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1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
DYESS AIR FORCE BASE, TEXAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
CONSTRUCT MILITARY FAMILY HOUSING (PH 2)	FNWZ990002	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		97 AUG 01
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1998		35%
(d) Date 35% Designed.		97 SEP 24
(e) Date Design Complete		98 MAY 25
(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):		
		(\$000)
(a) Production of Plans and Specifications		330
(b) All Other Design Costs		
(c) Total		330
(d) Contract		330
(e) In-house		
(4) Construction Start		
		99 MAY
b. Equipment associated with this project will be provided from other appropriations: N/A		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT			2. FISCAL YEAR		REPORT CONTROL SYMBOL		
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION			1999		DD-A&L(AR)1716		
5. DATA AS OF 1995		a. NAME Dyess AFB			b. LOCATION Texas				
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (a)	E9-E4 (b)	E3-E1 (c)	TOTAL (d)	OFFICER (e)	E9-E4 (f)	E3-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		667	3,024	970	4,661	664	3,001	960	4,625
7. PERMANENT PARTY PERSONNEL		667	3,024	970	4,661	664	3,001	960	4,625
8. GROSS FAMILY HOUSING REQUIREMENTS		512	2,020	272	2,804	509	2,009	270	2,788
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		78	553	52	683				
a. INVOLUNTARILY SEPARATED		0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	54	0	54				
c. UNACCEPTABLE HOUSED IN COMMUNITY		78	489	52	619				
10. VOLUNTARY SEPARATIONS		0	0	0	0	0	0	0	0
11. EFFECTIVE HOUSING REQUIREMENTS		512	2,020	272	2,804	509	2,009	270	2,788
12. HOUSING ASSETS (a + b)		434	1,467	220	2,121	424	1,429	209	2,062
a. UNDER MILITARY CONTROL		121	703	100	924	121	703	100	924
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		121	703	100	924	121	703	100	924
(2) UNDER CONTRACT/APPROVED						0	0	0	0
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSING		313	764	120	1,197	303	726	109	1,138
(1) ACCEPTABLY HOUSED		313	764	120	1,197				
(2) ACCEPTABLE VACANT RENTAL		0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT		78	553	52	683	86	580	61	726
14. PROPOSED PROJECT						0	64	0	64
15. REMARKS									

1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROGRAM (computer generated)									2. DATE
3. INSTALLATION AND LOCATION FAIRCHILD AIR FORCE BASE, WASHINGTON	4. COMMAND AIR MOBILITY COMMAND						5. AREA CONST COST INDEX 1.05			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 96	512	3304	458		35		228	412	102	5,051
b. End FY 2002	452	3202	424		35		228	412	102	4,855
7. INVENTORY DATA (\$000)										
a. Total Acreage: (5,691)									
b. Inventory Total As Of: (30 SEP 96)										329,375
c. Authorization Not Yet In Inventory:										24,375
d. Authorization Requested In This Program:										3,992
e. Authorization Included In Following Program: (FY 2000)										0
f. Planned In Next Three Program Years:										0
g. Remaining Deficiency:										0
h. Grand Total:										357,742
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999										
CATEGORY						COST	DESIGN		STATUS	
CODE	PROJECT TITLE	SCOPE				(\$000)	START	Cmpl		
610-119	HOUSING MANAGEMENT/MAINTENANCE FACILITY	900 SM				1,692	AUG 97	JUN 98		
711-142	REPLACE FAMILY HOUSING	14 UN				2,300	AUG 97	JUN 98		
TOTAL:						3,992				
9a. Future Projects: Included in the Following Program (FY 2000) NONE										
9b. Future Projects: Typical Planned Next Three Years:										
9c. Real Property Maintenance Backlog This Installation									15,000	
10. Mission or Major Functions: An air refueling wing with five KC-135 squadrons; an Air National Guard air refueling wing with a KC-135 squadron; and the Air Education and Training Command training group that conducts survival training and flies UH-1 aircraft.										

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA		2. DATE		
AIR FORCE		(computer generated)				
3. INSTALLATION AND LOCATION			4. PROJECT TITLE			
FAIRCHILD AIR FORCE BASE, WASHINGTON			REPLACE FAMILY HOUSING			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)			
8.87.41	711-142	GJKZ990030	2,300			
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
REPLACE MILITARY FAMILY HOUSING		UN	14	130,046	1,821	
SUPPORTING FACILITIES					255	
SITE WORK		LS			(229)	
DEMO/ENVIRONMENTAL HAZARD REMEDIATION		LS			(28)	
SUBTOTAL					2,076	
CONTINGENCY (5%)					104	
TOTAL CONTRACT COST					2,180	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)					120	
TOTAL REQUEST					2,300	
AREA COST FACTOR		1.05				
10. Description of Proposed Construction: Replace 14 housing units. Includes site preparation, utilities, roads, landscaping. Amenities include heating, air-conditioning, garages, appliances, patios, and privacy fencing. Includes demolition of existing units and removal of asbestos and lead-based paint.						
	UNIT TYPE	NET AREA	PROJECT FACTOR	\$/NSM	NO. UNITS	TOTAL COST
	FGO 4BR	144	1.11	797	11	1,401,317
	SGO 4BR	158	1.11	797	3	419,334
					14	1,820,651
11. REQUIREMENT: 2,401 UN ADEQUATE: 1,748 UN SUBSTANDARD: 653 UN PROJECT: Replace Military Family Housing (Current Mission). REQUIREMENT: Project will provide modern and efficient housing for military members and their families assigned to Fairchild AFB. All units will meet "whole house" 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. CURRENT SITUATION: This project replaces houses constructed in 1952. These 45-year old units are showing the effects of age and continuous heavy use. They have had no major upgrades since construction and do not meet the needs of today's families. Roofs, walls and exterior pavements require major repair or replacement resulting from the effects of age and the environment. Roof structures are rotting and leaks have made already inadequate insulation even less effective. Foundations and pavements are						

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
FAIRCHILD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE FAMILY HOUSING	GJKZ990030	
<p>showing signs of failure from settlement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Housing interiors are generally inadequate by any modern standards. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy-inefficient. Kitchens have inadequate storage and counterspace, cabinets are old, and countertops and sinks are badly worn. Flooring throughout the house is worn out and contains asbestos. Plumbing and electrical systems do not meet modern building codes. There is no Ground Fault Interruptor Circuit protection, and many electrical outlets lack grounding protection. Lighting systems throughout the houses are inefficient and require replacement. Heating systems require upgrade and replacement.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Air Force members and families will continue to be inadequately housed. Low morale and retention problems can be expected. Units will continue to deteriorate resulting in escalating operations, maintenance and repair costs to the Government. The current Housing Market Analysis shows an on-base deficit of 22 housing units.</p> <p><u>ADDITIONAL:</u> 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 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 90% of the replacement cost. 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. The net square meter cost to replace this housing is based on actual bids. Base Civil Engineer: Lt Col Waylon Patterson, (509) 247-2291.</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
FAIRCHILD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE FAMILY HOUSING	GJKZ990030	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	97 AUG 04	
(b) Parametric Cost Estimates used to develop costs	N	
(c) Percent Complete as of Jan 1998	35%	
(d) Date 35% Designed.	97 SEP 25	
(e) Date Design Complete	98 JUN 01	
(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): (\$000)		
(a) Production of Plans and Specifications	55	
(b) All Other Design Costs		
(c) Total	55	
(d) Contract	55	
(e) In-house		
(4) Construction Start	99 MAR	
b. Equipment associated with this project will be provided from other appropriations: N/A		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE OF REPORT		2. FISCAL YEAR 1999		REPORT CONTROL SYMBOL DD-A&L(AR)1716			
3. DOD COMPONENT AIR FORCE	4. REPORTING INSTALLATION			b. LOCATION					
5. DATA AS OF 1995	a. NAME Fairchild AFB			Washington					
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (a)	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	OFFICER (e)	E9 - E4 (f)	E3 - E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		714	3,065	937	4,716	527	2,410	737	3,674
7. PERMANENT PARTY PERSONNEL		714	3,065	937	4,716	527	2,410	737	3,674
8. GROSS FAMILY HOUSING REQUIREMENTS		503	2,263	318	3,084	372	1,779	250	2,401
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		23	22	6	50				
a. INVOLUNTARILY SEPARATED		0	0	0	0				
b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED		14	0	0	14				
c. UNACCEPTABLE HOUSED IN COMMUNITY		9	22	6	36				
10. VOLUNTARY SEPARATIONS		0	0	0	0	0	0	0	0
11. EFFECTIVE HOUSING REQUIREMENTS		503	2,263	318	3,084	372	1,779	250	2,401
12. HOUSING ASSETS (a + b)		480	2,241	313	3,034	362	1,766	247	2,365
a. UNDER MILITARY CONTROL		166	1,094	149	1,409	166	1,094	149	1,409
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		166	1,094	149	1,409	166	1,094	149	1,409
(2) UNDER CONTRACT/APPROVED						0	0	0	0
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSING		314	1,147	164	1,625	186	672	98	966
(1) ACCEPTABLY HOUSED		314	1,147	164	1,625				
(2) ACCEPTABLE VACANT RENTAL		0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT		23	22	6	50	20	13	3	36
14. PROPOSED PROJECT						14	0	0	14
15. REMARKS									

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
FAIRCHILD AIR FORCE BASE, WASHINGTON			HOUSING MANAGEMENT/MAINTENANCE FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.87.41	610-119	GJKZ970030	1,692		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
HOUSING MANAGEMENT/MAINTENANCE FACILITY		SM	900	1,333	1,200
SUPPORTING FACILITIES					328
UTILITIES		LS			(115)
SITE IMPROVEMENTS		LS			(85)
PAVEMENTS		LS			(120)
ENVIRONMENTAL		LS			(8)
SUBTOTAL					1,528
CONTINGENCY (5%)					76
TOTAL CONTRACT COST					1,604
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)					88
TOTAL REQUEST					1,692
AREA COST FACTOR		1.05			
10. Description of Proposed Construction: Replace housing management and maintenance facilities. Includes concrete foundation, masonry exterior walls with brick veneer, and metal roof. Provides offices, restrooms, customer waiting/counseling area, computer equipment room, indoor/outdoor child play areas, workshop, self-help area, breakroom, and storage. Includes all utilities, parking, landscaping, and fire protection.					
11. REQUIREMENT: 915 SM ADEQUATE: 0 SUBSTANDARD: 664 SM PROJECT: Replace Housing Management and Maintenance Facility (Current Mission). REQUIREMENT: An adequate facility is required for managing base owned and operated family housing assets, for assisting arriving personnel in finding on- or off-base housing, and for managing furnishings for authorized base personnel. It must be located for convenient access by personnel, be handicapped accessible, and have adequate parking for vehicles pulling trailers or small trucks utilized by inbound personnel. CURRENT SITUATION: Existing housing management office and maintenance functions are housed in a World War II wooden facility located in the base industrial area. The management office is 40% undersized and there is no space for expansion. The maintenance and self-help functions are in separate locations and floor areas are half the recommended sizes. Handicapped access is impractical since the facility is built on a 4 ft high concrete foundation. Access is difficult given the inconvenient location and vehicle congestion in this industrial area. It would be impractical and unsafe to provide a children's outdoor play area at this site. This facility is one of the first stops for inbound families and it leaves a poor initial impression of the installation. IMPACT IF NOT PROVIDED: Customers will continue to be served in an					

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1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION FAIRCHILD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE HOUSING MANAGEMENT/MAINTENANCE FACILITY	5. PROJECT NUMBER GJKZ970030	
<p>extremely cramped, unappealing, and poorly located facility. Optimum efficiency and effectiveness of base support functions will not be achieved and will continue to have a negative effect on family members' quality of life and morale.</p> <p><u>ADDITIONAL:</u> Project meets the criteria/scope specified in the Air Force Housing Support Facilities Guide. Base Civil Engineer: Lt Col Waylon Patterson, (509) 247-2291.</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
FAIRCHILD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE		5. PROJECT NUMBER
HOUSING MANAGEMENT/MAINTENANCE FACILITY		GJKZ970030
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		97 AUG 01
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 1998		35%
(d) Date 35% Designed.		97 SEP 24
(e) Date Design Complete		98 JUN 01
(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): (\$000)		
(a) Production of Plans and Specifications		140
(b) All Other Design Costs		
(c) Total		140
(d) Contract		140
(e) In-house		
(4) Construction Start		99 MAR
b. Equipment associated with this project will be provided from other appropriations: N/A		

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 1999 BUDGET REQUEST

FY 1999 POST ACQUISITION CONSTRUCTION

	<u>Program (In Thousands)</u>
FY 1999 Program	\$ 81,778
FY 1998 Program	\$121,795

Purpose and Scope

The Air Force operates approximately 110,000 family housing units for FY 1999. The average age of housing units in the Air Force inventory is about 35 years. About 61,000 of these units now require improvement or renovation to meet contemporary living standards during the next decade. Many of these units require major expenditures to repair or replace deteriorated mechanical, electrical, or structural components, and to provide some of the modern amenities found in comparable community housing. The Post Acquisition Construction Program provides this needed revitalization. Each project also includes a significant amount of concurrent maintenance and repair to maximize the project cost effectiveness (average per project is 60%).

The Air Force is the acknowledged DoD leader in developing the "whole house" revitalization concept. Whole house is the combination of needed maintenance and repair together with improvements to bring the unit to contemporary standards. In addition, we are looking beyond the house to the entire housing area in our requirements plan. Our "whole neighborhood" concept is being developed and includes the development of neighborhood vehicular and pedestrian circulation concepts to consider siting, density, landscaping, parking, playgrounds, recreation areas and utilities, in addition to the housing unit itself.

Consistent with Authorization and Appropriation Committees' language in FY 1990, the Air Force is seeking to maintain funding in this account to continue revitalizing our aging homes. Consistent with Appropriation Committees' language in FY 1985, the Air Force has gathered data on the post acquisition construction projects to detail past projects on these units and any future work being programmed within a three year period. This information is provided as a part of this submittal.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 1999 BUDGET REQUEST

Program Summary

Authorization is requested for:

- (1) Various improvements to existing public quarters, as described on DD Form 1391.
- (2) Appropriation of \$81,778,000 to fund projects in FY 1999.

NOTE: Projects within the program are within the statutory limitation of \$50,000 per unit adjusted by area cost factor, except as identified by separate DD Form 1391.

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION		4. PROJECT TITLE			
VARIOUS AIR FORCE BASES		POST ACQUISITION CONSTRUCTION			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
8.87.42	711-000	XXXX9700PAIP	81,778		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
POST ACQUISITION CONSTRUCTION					81,778
PROJECTS TO IMPROVE FAMILY HOUSING		UN	625	111,315	(69,572)
PROJECTS TO IMPROVE SUPPORT FACILITIES		LS			(12,206)
SUBTOTAL					81,778
TOTAL CONTRACT COST					81,778
TOTAL REQUEST					81,778
10. Description of Proposed Construction: Includes all work necessary to revitalize military family housing by providing: air conditioning, where authorized; modern functional layouts; soundproofing; and utility and site improvements. Energy conservation actions include new and additional insulation, storm windows, solar screens, and more efficient heating and cooling systems. (Continued on next pages.)					
11. PROJECT: This request is for appropriation of \$81.778 million to accomplish improvements in family housing units. REQUIREMENT: To revitalize and improve the livability of older, obsolete family housing units, to conserve energy in these older housing units, and to bring utility systems up to current safety standards. Whole-house improvements includes but are not limited to: kitchen upgrades, bathroom additions/upgrades; repair/replacement of roofs, upgrade of mechanical & electrical systems, replacement of windows, doors, floors and exterior improvements (patios, fences, etc.) CURRENT SITUATION: The majority of these housing units were constructed since the late 1940's using various design and construction criteria, with different types of material, installed equipment, appliances, livability, and appearance. Many utility and structural systems were designed and constructed during years of plentiful, inexpensive energy resources. Insulation, storm windows, etc., not previously cost effective, are now wise investments. This program will prolong the useful life of many of our older, less modern units by enhancing livability, reducing operation costs and improving safety aspects. ADDITIONAL: These projects meet the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide" unless noted on the individual DD Form 1391s.					

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1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
VARIOUS AIR FORCE BASES		
4. PROJECT TITLE		5. PROJECT NUMBER
POST ACQUISITION CONSTRUCTION		N/A
10. Description of work to be accomplished		
<u>Location and Project</u>		<u>Current Working Estimate (\$000)</u>
<u>OVERSEAS</u>		
<u>GERMANY</u>		
RAMSTEIN AB		
IMPROVE FAMILY HOUSING (PHASE A)		3,870
YANB974580		
- Improve 32 housing units. Constructs bathroom and laundry tower additions. Modernizes/renovates interior/exterior; increases energy efficiency. Upgrades kitchens, bath rooms, floor coverings, stairwells, entryways; corrects fire deficiencies; replaces balconies. Provides parking, playground, and recreation areas. Includes demolition and asbestos/lead-base paint removal. (Separate DD Form 1391 attached)		
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None		
- WORK PROGRAMMED FOR NEXT THREE YEARS: None		
IMPROVE COMMON NEIGHBORHOOD (PHASE A)		1,630
YANB994524		
- Provides general open space and streetscape improvements for common neighborhood areas at the Vogelweh MFH community, Ramstein AB. Includes renovation of existing play areas, picnic areas, new walking trails, trees, roads, crosswalks, and an upgrade to two of the main entrances to the community. Includes all related work necessary to provide a complete and usable community/neighborhood.		
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None		
- WORK PROGRAMMED FOR NEXT THREE YEARS: None		

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VARIOUS AIR FORCE BASES		
4. PROJECT TITLE		5. PROJECT NUMBER
POST ACQUISITION CONSTRUCTION		N/A
10. Description of work to be accomplished		
<u>Location and Project</u>		<u>Current Working Estimate (\$000)</u>
<u>UNITED KINGDOM</u>		
RAF LAKENHEATH		
IMPROVE FAMILY HOUSING (PHASE A)		6,786
GPLS984015		
- Improves 60 housing units. Provides interior and exterior modernization and renovation of units. Upgrades kitchens, bathrooms, and floor coverings. Improves floor plans, provides increased energy efficiency, privacy fencing and patios. Includes utility upgrades and additions to meet current standards. Provides landscaping, parks, and recreation areas. (Separate DD Form 1391 attached)		
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: NONE		
- WORK PROGRAMMED FOR NEXT THREE YEARS: NONE		
RAF MILDENHALL		
IMPROVE FAMILY HOUSING (PHASE B)		2,153
QFQE984013		
- Improves 22 housing units. Modernizes/renovates interior/exterior of units. Upgrades kitchens, bath rooms, floor coverings, improves floorplans, provides increased energy efficiency, patios, playgrounds, recreation areas, and adds parking where deficient. Includes utility upgrades and additions to meet current standards. Includes demolition & asbestos/lead-base paint removal. (Separate DD Form 1391 attached)		
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None		
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- WORK PROGRAMMED FOR NEXT THREE YEARS: NONE																				

374.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 1999 BUDGET REQUEST

POST ACQUISITION CONSTRUCTION PROJECTS (OVER \$50,000 PER UNIT)

A separate DD Form 1391 follows for each Post Acquisition Construction project which is over \$50,000 per unit (multiplied by the Area Cost Factor).

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
HICKAM AIR FORCE BASE, HAWAII			IMPROVE FAMILY HOUSING, PHASE 4		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
8.87.42	711-111	KNMD994401	7,008		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
IMPROVE FAMILY HOUSING, PHASE 4		UN	36	156,777	5,644
SUPPORTING FACILITIES					836
UTILITIES		LS			(298)
SITE IMPROVEMENTS		LS			(237)
PAVEMENTS		LS			(115)
ASBESTOS/LEAD-BASED PAINT REMOVAL		LS			(102)
OTHER SUPPORTING FACILITIES		LS			(84)
SUBTOTAL					6,480
CONTINGENCY (5%)					324
TOTAL CONTRACT COST					6,804
SUPERVISION, INSPECTION AND OVERHEAD (3%)					204
TOTAL REQUEST					7,008
MOST EXPENSIVE UNIT					\$264,671
AREA COST FACTOR					1.43
10. Description of Proposed Construction: Improves 36 housing units. Provides general interior and exterior modernization and renovation of housing units. Includes utility upgrade and additions to meet current standards. Upgrades kitchens, bathrooms, improves floor plans, provides increased energy efficiency, patios, playgrounds, and recreation areas. Includes asbestos/lead-based paint removal.					
11. REQUIREMENT: 3,195 UN ADEQUATE: 884 UN SUBSTANDARD: 2,188 UN PROJECT: Improve Military Family Housing (Phase 4). (Current Mission) REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at Hickam AFB. Housing must be upgraded to meet current life safety codes and to provide a comfortable and appealing living environment comparable to the off-base civilian community. This is the fourth of multiple phases to upgrade housing units. Three hundred one units have been upgraded or are approved in previous phases and 2,188 units remain to be accomplished. All units will meet whole house standards and are programmed in accordance with phase two of the Housing Community Plan. Renovated housing will provide modern kitchen, living room, family room, bedroom, and bath configuration with ample interior and exterior storage. Carports will be provided where deficient. Units will be air conditioned. Neighborhood improvements are required and will include landscaping, playgrounds and recreation areas. CURRENT SITUATION: This project upgrades and modernizes houses which were constructed in 1959 and in 1964. These 38-year-old Capehart and 33-year-old Earhart housing units require major renovation and repair to correct deterioration resulting from age and heavy use. They have had no major upgrades since construction, do not meet the needs of today's families, and do not provide a modern home environment. Kitchens do not					

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AIR FORCE		
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HICKAM AIR FORCE BASE, HAWAII		
4. PROJECT TITLE	5. PROJECT NUMBER	
IMPROVE FAMILY HOUSING, PHASE 4	KNMD994401	
<p>provide adequate storage, cabinet space or countertop area, and are not functionally arranged. Plumbing and lighting fixtures are deteriorated. The electrical and smoke alarm systems do not meet modern construction codes. Ground fault circuit interrupter protection is not provided for bathrooms, kitchens, and exterior circuits. Flooring, windows, and roofing require replacement. The units have inadequate living space and storage. Playgrounds, parking areas, and landscaping are inadequate to nonexistent.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Units will continue to deteriorate rapidly, resulting in increasing operations, maintenance and repair costs to the Government and inconvenience to residents. Low morale and retention problems can be expected if such conditions are permitted to continue. The most recent Housing Market Analysis shows a housing deficit of 123 units.</p> <p><u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None</p> <p><u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None.</p> <p><u>ADDITIONAL:</u> 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, improvement was found to be the most cost efficient over the life of the project. The cost to improve this housing is 67 percent of the replacement cost. Base Civil Engineer: Lt Col Linden Torchia, (808) 449-1660.</p>		

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
ANDREWS AIR FORCE BASE, MARYLAND			IMPROVE FAMILY HOUSING		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
8.87.42	711-143	AJXF994003	4,860		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
IMPROVE FAMILY HOUSING		SM	47	71,553	3,363
SUPPORTING FACILITIES					1,004
SITE WORK		LS			(642)
ENVIRONMENTAL HAZARD REMEDIATION		LS			(100)
ASSOCIATED NEIGHBORHOOD		LS			(262)
SUBTOTAL					4,367
CONTINGENCY (5%)					218
TOTAL CONTRACT COST					4,585
SUPERVISION, INSPECTION AND OVERHEAD (6%)					275
TOTAL REQUEST					4,860
MOST EXPENSIVE UNIT					\$128,000
AREA COST FACTOR					0.96
10. Description of Proposed Construction: Improve 47 units including one General Officer Quarter (GOQ). Renovate kitchens and bathrooms, add/renovate living space, replace windows, mechanical, electrical systems, improve exterior finish, provide patios, privacy fences, and carports. Replace utility lines to domestic potable water main, improve drainage, landscaping, signage and environmental hazard remediation.					
11. REQUIREMENT: 4,680 UN ADEQUATE: 2,693 UN SUBSTANDARD: 1,717 UN PROJECT: Improve Family Housing (Phase A, part 2). (Current Mission) REQUIREMENT: To provide a comfortable and appealing living environment comparable to the off-base civilian community for military members and their families at Andrews AFB. This project is programmed to meet "whole house" standards in accordance with the Housing Community Plan. CURRENT SITUATION: These wood-frame, concrete slab on grade units were constructed in 1966. They have received no major upgrades since construction and do not meet the needs of today's families. Kitchens lack dishwashers, have insufficient countertop and cabinet area, and wood cabinets are dated. Bathrooms lack vanities. No family rooms exist. Gas-fired water heater, furnace, range, plumbing fixtures, and air-conditioning are nearing the end of their useful life and are energy inefficient. The bathroom and outdoor outlets have no ground-fault circuit interrupters, electric panel is located in the kitchen, and circuit breakers are not reliable. Windows need to be replaced with vinyl-clad wood and insulating glass and screen. All exterior wood siding, fascia and trim need to be replaced. Bathroom wall covering, ceramic tile, tub, shower, and fixtures need to be replaced. The GOQ requires roof replacement, kitchen renovation, exterior finish system, window and exterior door replacement, and HVAC upgrade.					

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ANDREWS AIR FORCE BASE, MARYLAND		
4. PROJECT TITLE	5. PROJECT NUMBER	
IMPROVE FAMILY HOUSING	AJXF994003	
<p><u>IMPACT IF NOT PROVIDED:</u> Air Force members and families will continue to be inadequately housed. Units will continue to deteriorate resulting in escalating operations, maintenance and repair costs to the Government.</p> <p><u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> FY96 (GOQ) replace furnace, \$1.7K; replace carpet, \$5.4K; FY97 (GOQ) upgrade bathrooms, \$6.0K; interior doors, \$2.9K; patio carpet, \$1.1K; garage door, \$1.0K; and routine maintenance and repair.</p> <p><u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement was found to be the most cost effective over the life of the project. The cost to improve these units is 60% of the replacement cost. Unit costs are based on an actual bid from a contractor on FY95 Improve Family Housing project (AJXF904000R). The construction agent for this project is the Naval Facilities Engineering Command resulting in Supervision, Inspection, and Overhead costs of 6 percent. Base Civil Engineer: Col Gus G. Elliott (301) 981-7281.</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION	4. PROJECT TITLE			
MCGUIRE AIR FORCE BASE, NEW JERSEY	IMPROVE FAMILY HOUSING			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
8.87.42	711-111	PTFL974037	212	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
IMPROVE FAMILY HOUSING BLDGS 2756 & 2757	UN	2	83,000	166
SUPPORTING FACILITIES				30
ASBESTOS/LEAD BASED PAINT REMOVAL	LS			(15)
LANDSCAPING/PATIO/FENCING	LS			(15)
SUBTOTAL				196
CONTINGENCY (5%)				10
TOTAL CONTRACT COST				206
SUPERVISION, INSPECTION AND OVERHEAD (3%)				6
TOTAL REQUEST				212
MOST EXPENSIVE UNIT			\$130,000	
AREA COST FACTOR			1.14	
10. Description of Proposed Construction: Interior and exterior modernization of two housing units. Upgrades floor coverings, improves floorplans, increases energy efficiency, and provides new landscaping. Includes demolition and asbestos/lead-based paint removal. Grade Mix: 2 ES-E9.				
11. REQUIREMENT: 2,991 UN ADEQUATE: 1,353 UN SUBSTANDARD: 1,638 UN PROJECT: To improve Senior Enlisted Advisors' (SEA) quarters. REQUIREMENT: This project is required to provide modern and efficient quarters for SNCOs and their dependents at McGuire AFB; to ensure that quarters meet life, safety, NEC and BOCA codes; and to provide a comfortable and appealing living environment comparable to the off-base civilian community. This project provides new lighting fixtures, replacement of flooring, interior doors, finishes throughout, landscaping, and site improvements. Project is programmed to meet "whole house" standards IAW the McGuire AFB Housing Community Plan. CURRENT SITUATION: These quarters do not meet AMC's "whole house" standards. The quarters do not meet the needs of today's families, nor do they provide a modern, comfortable home environment. The walls, floors, ceilings in the quarters are old, badly worn and deteriorated. The plumbing and lighting fixtures are old and deteriorated. Cable and telephone wiring are exposed. The electrical system does not meet current safety codes. Units have inadequate storage and backyard privacy. The floor in the living room is warped, cracked, seperating, and has made one unit uninhabitable. Both of these units meet the Level I criteria relative to the need to accomplish this work within the next two years and these quarters significantly impact the morale occupants living in them. Building 2756 is in such poor condition that it is vacant and closed to				

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1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MCGUIRE AIR FORCE BASE, NEW JERSEY		
4. PROJECT TITLE IMPROVE FAMILY HOUSING	5. PROJECT NUMBER PTFL974037	
<p>occupants--forcing one SEA to live in a JNCO unit.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The units will continue to deteriorate rapidly, resulting in increased operations, maintenance and repair costs to the Government and inconveniences to the residents. The floor will continue to warp and crack thus becoming a greater safety hazard. SNCOs and their families will continue to live in quarters that do not meet AMC's "whole house" standards and are not comparable to off-base civilian homes.</p> <p><u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> 2756: FY96 Repair HVAC, \$10K. FY 97 Repair kitchen and miscellaneous repairs, \$12K. FY98 Repair two bathrooms and miscellaneous repairs, \$12k. 2757: FY97 Repair bathroom, repair carpet in selected rooms, \$12k. FY98 Repair Kitchen, miscellaneous repairs, \$12k.</p> <p><u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> 2756: None. 2757: None.</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement was found to be the most cost effective over the life of the project. The cost to improve these units is 67% of the replacement cost. Base Civil Engineer: Lt Col Scott Borges, (609) 724-2642.</p>		

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
SEYMOUR JOHNSON AIR FORCE BASE, NORTH CAROLINA			IMPROVE MILITARY FAMILY HOUSING (PH 4)		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
8.87.42	711-111	VKAG996001	9,682		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
IMPROVE MILITARY FAMILY HOUSING (PH 4)		UN	100	71,100	7,110
SUPPORTING FACILITIES					1,589
COMMON NEIGHBORHOOD IMPROVEMENTS		LS			(789)
ASSOC NEIGHBORHOOD IMPROVE -- PAVEMENT		LS			(225)
UTILITY SERVICE LATERALS		LS			(250)
LANDSCAPING		LS			(155)
CARPORTS, STORAGE, CIRCULATION SPACE		LS			(115)
DEMOLITION (8 UN) & ENVIRONMENTAL		LS			(55)
SUBTOTAL					8,699
CONTINGENCY (5%)					435
TOTAL CONTRACT COST					9,134
SUPERVISION, INSPECTION AND OVERHEAD (6%)					548
TOTAL REQUEST					9,682
MOST EXPENSIVE UNIT				\$108,300	
AREA COST FACTOR				0.82	
10. Description of Proposed Construction: Improve 100 and demolish 8 housing units. Includes utilities and required storage space. Upgrades bathrooms and kitchens. Improves floors, finishes, layouts, and energy efficiency. Provides playgrounds, patios, and privacy fencing. Installs double paned windows and sliding doors. Includes appliances, demolition, and asbestos/lead based paint abatement.					
11. REQUIREMENT: 1,710 UN ADEQUATE: 200 UN SUBSTANDARD: 1,498 UN PROJECT: Improve Military Family Housing (Ph 4). (Current Mission). REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at Seymour Johnson AFB. All units must be upgraded to whole house standards to provide a safe, comfortable and appealing living environment comparable to the off-base living community. This project is the fourth phase of a multi-phase program to upgrade 1,498 substandard family housing units. All units are programmed in accordance with Phase 2 of the Housing Community Plan. Renovated housing will provide a modern kitchen, living room, dining room, bedroom and bath configuration, with sufficient interior and exterior storage areas. Neighborhood improvements will provide playgrounds and landscaping. Existing overhead utility lines will be buried, deteriorated sewer lines will be replaced, and street layouts will be adjusted to improve neighborhood identity and reduce traffic safety problems. CURRENT SITUATION: This project improves units built in 1958, which are showing the affects of age and heavy use. Livability and energy efficiency are at unacceptable standards. Doors and frames are extremely warped. Hot water heaters and HVAC systems have reached the end of their useful life, are extremely inefficient, and are producing serious					

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)	2. DATE
3. INSTALLATION AND LOCATION SEYMOUR JOHNSON AIR FORCE BASE, NORTH CAROLINA		
4. PROJECT TITLE	5. PROJECT NUMBER	
IMPROVE MILITARY FAMILY HOUSING (PH 4)	VKAG996001	
<p>condensate problems resulting in peeling paint, deteriorating plaster walls, and mold and mildew problems. Patio doors and windows are poorly fitted, single pane units. Bathrooms are exceptionally small and in poor condition. They have undersized sinks and vanities and cracked and deteriorated gel-coated tubs and showers. Additionally, weatherbeaten exterior trim, combined with limited insulation and poor roofs is resulting in increased maintenance costs and reduced energy efficiency. Overhead primary electrical distribution systems need to be replaced. Sanitary sewer lines are deteriorating and in some cases have failed completely.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Air Force members and their families will continue to live in outdated and unsatisfactory housing conditions. Without improvements, these houses will continue to deteriorate resulting in increased maintenance and repair costs, increased inconvenience to the occupants, and will ultimately become uninhabitable facilities. These conditions will have an adverse effect on morale and degrade mission execution.</p> <p><u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None.</p> <p><u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None.</p> <p><u>ADDITIONAL:</u> Eight units will be demolished in this project to reduce the density of the housing area and improve neighborhood conditions. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide." The cost to improve these units is 68% of the replacement cost. 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, improvement was found to be the most cost efficient over the life of the project. The supervision, inspection and overhead is 6 percent due to the Army Corp of Engineer is the design/construction agent. BCE: Lt Col Quincy Purvis, (919) 736-5511.</p>		

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA			2. DATE
AIR FORCE	(computer generated)			
3. INSTALLATION AND LOCATION	MINOT AIR FORCE BASE, NORTH DAKOTA		4. PROJECT TITLE	IMPROVE MILITARY FAMILY HOUSING (PH5)
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
8.87.42	711-143	QJVF999200	13,829	

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
IMPROVE MILITARY FAMILY HOUSING (PH5)	UN	110	89,460	9,841
SUPPORTING FACILITIES				2,584
COMMON NEIGHBORHOOD SUPPORT	LS			(800)
ASSOC NEIGHBORHOOD IMP--PAVEMENTS	LS			(190)
SERVICE LATERALS	LS			(170)
LANDSCAPNG	LS			(180)
ASBESTOS/LEAD BASE PAINT REMOVAL	LS			(216)
SPECIAL CONST FEATURE (ARCTC REC RM)	LS			(1,028)
SUBTOTAL				12,425
CONTINGENCY (5%)				621
TOTAL CONTRACT COST				13,046
SUPERVISION, INSPECTION AND OVERHEAD (6%)				783
TOTAL REQUEST				13,829
MOST EXPENSIVE UNIT			\$142,600	
AREA COST FACTOR			1.08	

10. Description of Proposed Construction: Improve 110 housing units. Includes renovating kitchen and baths, replacing interior lights and wiring, redesigning floor plans, improving interior and exterior finishes, repairing pavements, and upgrading an additional 28 SM. Provides air conditioning, appliances, landscaping, playgrounds and recreation areas. Includes asbestos and lead paint removal. Replaces privacy fences.

11. REQUIREMENT: 2,604 UN ADEQUATE: 252 UN SUBSTANDARD: 2,207 UN
PROJECT: Improve Military Family Housing (Phase 5). (Current Mission)
REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at Minot AFB. All units will be "whole house" improved to provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. This project is programmed in accordance with Phase B of the Housing Community Plan. This is the fifth of multiple phases to improve 2459 housing units for base personnel. 252 units have been or are approved for upgrade. These improvements will provide a modern kitchen, living room, and bath configuration with ample interior and exterior storage plus upgrading 28 square meters per unit to provide an arctic recreation room. Parking will be provided for a second vehicle. The neighborhood support infrastructure will be upgraded to meet modern housing needs, to include landscaping, playgrounds and recreation areas.
CURRENT SITUATION: This project improves housing units built in 1964, which 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 family, nor do they provide a modern home environment. Kitchens are narrow and dark, and do not provide adequate cabinet and counter top space. The bathrooms are very small and in poor condition. Bathroom

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MINOT AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE	5. PROJECT NUMBER	
IMPROVE MILITARY FAMILY HOUSING (PH5)	QJVF999200	
<p>fixtures are outdated and inefficient. Lighting in hallways, bathrooms, and bedrooms is inadequate. The exteriors lack landscaping and have no covered patio for protection from the sun. Off street parking is severely limited, and traffic flow in and around the housing areas is inefficient and dangerous to pedestrians.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Air Force members and their families will continue to live in extremely outdated, unsuitable, and unsatisfactory housing. The housing will continue to deteriorate with age, resulting in increasing and unacceptable maintenance and repair costs, and extreme inconvenience to the occupants. Without this and subsequent phases of this initiative, repairs of these units will continue at a costly, piecemeal fashion, with little or no improvement in living quality. Low morale and retention problems can be expected if such conditions are permitted to continue.</p> <p><u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None.</p> <p><u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None.</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, improvement, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement was found to be the most cost efficient over the life of the project. Improvement costs represent 67% of replacement costs. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning Design Guide". The supervision, inspection and overhead is 6 percent due to the Army Corp of Engineer is the design/construction agent. Base Civil Engineer : Lt Col Mike Dronen, (701) 723-2434.</p>		

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AF (USAFE)		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
RAMSTEIN AIR BASE, GERMANY (VOGELWEH)			IMPROVE FAMILY HOUSING (PHASE A)		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
8.87.42	711-161	YANB974580	3,870		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
IMPROVE FAMILY HOUSING (PHASE A)		UN	32	111,812	3,578
SUBTOTAL					3,578
CONTINGENCY (5%)					179
TOTAL CONTRACT COST					3,757
SUPERVISION, INSPECTION AND OVERHEAD (3%)					113
TOTAL REQUEST					3,870
MOST EXPENSIVE UNIT				\$120,200	
AREA COST FACTOR				1.54	
10. Description of Proposed Construction: Improve 32 housing units. Constructs bathroom and laundry tower additions. Modernizes/renovates interior/exterior; increases energy efficiency. Upgrades kitchens, bath rooms, floor coverings, stairwells, entryways; corrects fire deficiencies; replaces balconies. Provides parking, playground, and recreation areas. Includes demolition and asbestos/lead-base paint removal. Grade Mix: 32 E1-E4.					
11. REQUIREMENT: 9,703 UN ADEQUATE: 5,949 UN SUBSTANDARD: 3,754 UN PROJECT: Improve Military Family Housing (Current Mission). REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at Ramstein AB. The housing must be upgraded to meet current life safety codes and to provide a comfortable and appealing living environment comparable to the off-base civilian community. This is the second of multiple phases to upgrade 5138 houses. Two-hundred sixty-eight units have been upgraded or are approved in previous phases, this completes Phase A of the HCP to upgrade 300 homes. All units will meet "whole house" standards and are programmed in accordance with Phase A of the Housing Community Plan. Renovated homes will provide a modern kitchen, living room, family room, bedroom and bathroom configuration, with ample interior and exterior storage. Living units will be expanded to provide a laundry and second bath for 3 and 4 bedroom units. Street parking will be provided where deficient. Neighborhood improvements will include refuse and recycling enclosures for containers, landscaping, community, and recreation areas. CURRENT SITUATION: This project upgrades and modernizes housing which was constructed in 1950. These 47 year old houses require major renovation					

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1. COMPONENT AF (USAFE)	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY (VOGELWEH)		
4. PROJECT TITLE IMPROVE FAMILY HOUSING (PHASE A)	5. PROJECT NUMBER YANB974580	
<p>and repair resulting from age and heavy use. They have had no major upgrade since construction and do not meet the need of today's families, nor do they provide a modern home environment. Air Force homes in Germany are constructed in 3 and 4 story stairwell type buildings. Laundry rooms are community use located in basements. Kitchen and bathroom cabinets are obsolete and deteriorated. Wall and floor tiles are old, cracked, and worn. Plumbing and lighting fixtures are deteriorated. Electrical systems do not meet modern construction codes. Ground fault interrupter protection is not provided for bathrooms, kitchens, and exterior circuits. Existing balconies are corroded and breaking away from structures. Refuse and recycling containers do not have enclosures to retain materials, resulting in overflows in front of buildings. Parking is deficient--one space per unit. Landscaping and recreation areas are deficient.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Units will continue to deteriorate resulting in increasing operations, maintenance and repair costs to the Government and inconvenience to residents. Families will be forced to take children up and down two to four flights of stairs to wash laundry in the basement. Balconies will further deteriorate posing a hazard to families in the unit and those living below. Refuse and recycling material will continue to litter the community areas as overflows occur. Parking will continue to be a problem. Low morale and retention problems can be expected if such conditions are permitted to continue.</p> <p><u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None</p> <p><u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None</p> <p><u>ADDITIONAL:</u> 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, improvement was found to be the most cost efficient over the life of the project. The cost to improve this housing is 57% of the replacement cost. Base Civil Engineer: Col Steve Smith 011-49-6371-47-6228.</p>		

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
ANDERSEN AIR FORCE BASE, GUAM			IMPROVE FAMILY HOUSING PHASE 9		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.87.42	711-111	AJY994401	15,099		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
IMPROVE FAMILY HOUSING PHASE 9		UN	102	128,550	13,112
SUPPORTING FACILITIES					849
SITE IMPROVEMENTS/PAVEMENTS		LS			(203)
LANDSCAPING		LS			(99)
ASBESTOS/LEAD-BASED PAINT REMOVAL		LS			(219)
UTILITIES		LS			(328)
SUBTOTAL					13,961
CONTINGENCY (5%)					698
TOTAL CONTRACT COST					14,659
SUPERVISION, INSPECTION AND OVERHEAD (3%)					440
TOTAL REQUEST					15,099
MOST EXPENSIVE UNIT					\$167,000
AREA COST FACTOR					2.01
10. Description of Proposed Construction: Improves 102 housing units. Provides interior and exterior modernization and renovation. Includes utility upgrade and additions to meet current standards. Upgrades kitchens, bathrooms, improves floorplans, and increases energy efficiency. Provides patios, playgrounds, recreation areas and utilities replacement. Includes asbestos/lead-based paint removal.					
11. REQUIREMENT: 1,735 UN ADEQUATE: 518 UN SUBSTANDARD: 1,294 UN PROJECT: Improve Family Housing (Phase 9). (Current Mission) REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at Andersen AFB. Housing must be upgraded to meet current life safety codes and to provide a comfortable and appealing living environment comparable to the off-base civilian community. This is the ninth of multiple phases to upgrade housing units. Four hundred sixty-three units have been upgraded or approved in previous phases and 1,294 units remain to be accomplished. All units will meet whole house standards and are programmed in accordance with phase seven of the Housing Community Plan. Renovated housing will provide modern kitchen, living room, family room, bedroom and bath configuration with ample interior and exterior storage. Units will be air conditioned. Neighborhood improvements are required and will include landscaping, playgrounds and recreation areas. CURRENT SITUATION: This project upgrades and modernizes housing which was constructed in 1960. These 36 year-old housing units require major renovation and repair to correct deterioration resulting from 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 modern home environment. Kitchens do not provide adequate storage, cabinet space or					

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
ANDERSEN AIR FORCE BASE, GUAM		
4. PROJECT TITLE	5. PROJECT NUMBER	
IMPROVE FAMILY HOUSING PHASE 9	AJJY994401	
<p>countertop area, and are not functionally arranged. Plumbing and lighting fixtures are deteriorated. The electrical systems do not meet modern construction codes. Ground fault circuit interrupter protection is not provided for bathrooms, kitchens, and exterior circuits. Flooring, windows, and roofing require replacement. The units have inadequate living space and storage. Playgrounds, parking areas, and landscaping are inadequate or nonexistent.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Units will continue to deteriorate rapidly, resulting in increasing operations, maintenance and repair costs to the Government and inconvenience to residents. Low morale and retention problems can be expected if such conditions are permitted to continue, since suitable, affordable off-base housing is not available.</p> <p><u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None.</p> <p><u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None.</p> <p><u>ADDITIONAL:</u> 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, improvement was found to be the most cost efficient over the life of the project. The cost to improve this housing is 56% of the replacement cost. Base Civil Engineer: Lt Col Stewart Nelson, (671) 366-7101</p>		

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
ROYAL AIR FORCE LAKENHEATH, UNITED KINGDOM			IMPROVE FAMILY HOUSING (PHASE A)		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.87.42	711-181	GPLS984015	6,786		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
IMPROVE FAMILY HOUSING (PHASE A)		UN	60	64,733	3,884
SUPPORTING FACILITIES					2,390
PAVEMENTS		LS			(822)
LIGHTING		LS			(239)
LANDSCAPING		LS			(791)
RECREATION		LS			(538)
SUBTOTAL					6,274
CONTINGENCY (5%)					314
TOTAL CONTRACT COST					6,588
SUPERVISION, INSPECTION AND OVERHEAD (3%)					198
TOTAL REQUEST					6,786
MOST EXPENSIVE UNIT					\$93,000
AREA COST FACTOR					1.37
10. Description of Proposed Construction: Improves 60 housing units. Provides interior and exterior modernization and renovation of units. Upgrades kitchens, bathrooms, and floor coverings. Improves floor plans, provides increased energy efficiency, privacy fencing and patios. Includes utility upgrades and additions to meet current standards. Provides landscaping, parks, and recreation areas. Grade Mix: 60 E1-E4.					
11. REQUIREMENT: 5,400 UN ADEQUATE: 3,020 UN SUBSTANDARD: 2,380 UN PROJECT: Improve Family Housing (Phase A) (Current Mission). REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at RAF Lakenheath. The housing must be upgraded to meet current life safety codes and to provide a comfortable and appealing living environment comparable to the off-base civilian community. This is the first of multiple phases to upgrade 815 houses. All units will meet "whole house" standards and are programmed in accordance with Phase A of the Housing Community Plan. Renovated housing will provide a modern kitchen, living room, family room, bedroom and bath configuration, with ample interior and exterior storage. Living units will be expanded to meet current space authorizations. Single car garages and off street parking will be provided, where deficient. Neighborhood improvements are required and include landscaping, playgrounds and recreation areas. CURRENT SITUATION: This project upgrades and modernizes housing which was constructed in 1940. These 57 year old houses require major renovation and repair to correct deterioration resulting from age and heavy use. They have had no major upgrades since construction and do not meet the					

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
ROYAL AIR FORCE LAKENHEATH, UNITED KINGDOM		
4. PROJECT TITLE	5. PROJECT NUMBER	
IMPROVE FAMILY HOUSING (PHASE A)	GPLS984015	
<p>needs of today's families, nor do they provide a modern home environment. Kitchen and bathroom cabinets and fixtures are obsolete and deteriorated. The electrical systems do not meet modern construction codes. Ground Fault Circuit Interrupter protection is not provided for bathrooms, kitchens and exterior circuits. Flooring is worn, stained, loose, and mismatched due to nonavailability of original materials for replacement. The units have inadequate living space, storage, nor patio or backyard privacy. There is little landscaping and no developed public neighborhood areas.</p>		
<p><u>IMPACT IF NOT PROVIDED:</u> Units will continue to deteriorate rapidly, resulting in increasing operations, maintenance, and repair costs to the Government and inconvenience to residents. Low morale and retention problems can be expected if such conditions are permitted to continue. Affordable off-base housing is not available. The most recent Housing Market Analysis shows a housing deficit of 1882 units.</p>		
<p><u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> NONE</p>		
<p><u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> NONE</p>		
<p><u>ADDITIONAL:</u> 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, improvement was found to be the most cost efficient over the life of the project. The cost to improve this housing is 62% of the replacement cost. Base Civil Engineer: Lt Col Andy Scrafford 011-44-1-638-52-2100.</p>		

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
ROYAL AIR FORCE MILDENHALL, UNITED KINGDOM			IMPROVE FAMILY HOUSING (PHASE B)		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
8.87.42	711-181	QFQE984013	2,153		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
IMPROVE FAMILY HOUSING (PHASE B)		UN	22	64,227	1,413
SUPPORTING FACILITIES					577
PAVEMENTS		LS			(186)
LANDSCAPING		LS			(198)
RECREATION		LS			(85)
DEMOLITION		LS			(6)
COMMON NEIGHBORHOOD		LS			(102)
SUBTOTAL					1,990
CONTINGENCY (5%)					100
TOTAL CONTRACT COST					2,090
SUPERVISION, INSPECTION AND OVERHEAD (3%)					63
TOTAL REQUEST					2,153
MOST EXPENSIVE UNIT					\$90,200
AREA COST FACTOR					1.38
10. Description of Proposed Construction: Improves 22 housing units. Modernizes/renovates interior/exterior of units. Upgrades kitchens, bath rooms, floor coverings, improves floorplans, provides increased energy efficiency, patios, playgrounds, recreation areas, and adds parking where deficient. Includes utility upgrades and additions to meet current standards. Includes demolition & asbestos/lead-base paint removal. Grade Mix: 22 E1-E4.					
11. REQUIREMENT: 5,400 UN ADEQUATE: 3,378 UN SUBSTANDARD: 2,022 UN PROJECT: Improve Family Housing (Phase B) (Current Mission). REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at RAF Mildenhall. The housing units must be upgraded to meet current life safety codes and to provide a comfortable and appealing living environment comparable to the off-base civilian community. This is the second of multiple phases to upgrade 268 houses. Thirty-five units were approved in previous phases, and 233 remain to be accomplished in this and subsequent phases. All units will meet "whole house" standards and are programmed in accordance with Phase B of the Housing Community Plan. Renovated housing will provide a modern kitchen, living room, family room, bedroom, and bath configuration with ample interior and exterior storage. Units will be expanded to meet current space authorizations. Single car garages and off street parking will be provided where deficient. Neighborhood improvements are required and will include landscaping, playgrounds, and recreation areas. CURRENT SITUATION: The project upgrades and modernizes housing which was constructed in 1935. These 62 year old houses require major renovation					

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1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION ROYAL AIR FORCE MILDENHALL, UNITED KINGDOM		
4. PROJECT TITLE IMPROVE FAMILY HOUSING (PHASE B)	5. PROJECT NUMBER QFQE984013	
<p>and repair to correct deterioration resulting from age and heavy use. They have had no major upgrade since construction, do not meet the needs of todays families, nor do they provide a modern home environment. Plumbing and light fixtures are inefficient. The electrical systems do not meet modern construction codes. Ground fault circuit interrupter protection is not provided for bathrooms, kitchens, and exterior circuits. Flooring is old, worn and mismatched due to non-availability of original materials for replacement. The plaster on the walls is old and cracking. The units have inadequate living space, storage, and lack patios. Landscaping and recreation areas for housing residents are deficient. Pavement and parking areas need renovation.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Units will continue to deteriorate rapidly, resulting in increasing operations, maintenance, and repair costs to the Government and inconvenience to residents. Low morale and retention problems can be expected if such conditions are permitted to continue. Suitable, affordable off-base housing is not available. The most recent Housing Market Analysis shows a housing deficit of 1882 units for RAF Mildenhall and RAF Lakenheath.</p> <p><u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None</p> <p><u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None</p> <p><u>ADDITIONAL:</u> 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, improvement was found to be the most cost efficient over the life of the project. The cost to improve this housing is 56% of the replacement cost. Base Civil Engineer: Lt Col Seb Romano 011-44-1-638-54-2205.</p>		

1. COMPONENT		FY 1999 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
ROYAL AIR FORCE MOLESWORTH, UNITED KINGDOM			IMPROVE FAMILY HOUSING		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
8.87.42	711-181	AEDY989701	1,992		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
IMPROVE FAMILY HOUSING		UN	24	68,750	1,650
SUPPORTING FACILITIES					192
SITE IMPROVEMENT		LS			(33)
UTILITIES		LS			(84)
PAVEMENTS		LS			(54)
DEMOLITION		LS			(21)
SUBTOTAL					1,842
CONTINGENCY (5%)					92
TOTAL CONTRACT COST					1,934
SUPERVISION, INSPECTION AND OVERHEAD (3%)					58
TOTAL REQUEST					1,992
MOST EXPENSIVE UNIT					\$89,600
AREA COST FACTOR					1.36
10. Description of Proposed Construction: Improves 24 housing units. Modernizes/renovates interior and exterior of housing units. Constructs entrance foyer; repairs roofs and gutters; upgrades kitchens, bathrooms, heating, plumbing and electrical systems. Provides patio covers, privacy fencing, walkways, and parking. Includes demolition & asbestos/lead base paint removal. Grade Mix: 10 E1-E4; 14 E5-E9.					
11. REQUIREMENT: 743 UN ADEQUATE: 338 UN SUBSTANDARD: 405 UN <u>PROJECT</u> : Improve Family Housing. (Current Mission) <u>REQUIREMENT</u> : This project is required to provide modern and efficient housing for military members and their dependents stationed at RAF Molesworth. The housing must be upgraded to meet current life safety codes and to provide a comfortable and appealing living environment comparable to the off-base civilian community. This project continues a multi-phased initiative to upgrade 429 houses. All units will meet "whole house" standards. Renovated housing will provide a modern kitchen, living room, family room, bedroom and bath configuration, with ample interior and exterior storage. Living units will be expanded to meet current space authorizations. Single car garages and off street parking will be provided where deficient. Neighborhood improvements are required and include landscaping, playgrounds, and recreation areas. <u>CURRENT SITUATION</u> : This project upgrades and modernizes housing which was constructed in 1957. These 40 year old houses require major renovation and repair to correct deterioration resulting from 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 modern home environment.					

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1. COMPONENT AIR FORCE	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION ROYAL AIR FORCE MOLESWORTH, UNITED KINGDOM		
4. PROJECT TITLE IMPROVE FAMILY HOUSING	5. PROJECT NUMBER AEDY989701	
<p>Kitchen and bathroom cabinets and fixtures are obsolete and deteriorated. The electrical systems do not meet modern construction codes. Ground Fault Circuit Interrupter protection is not provided for bathrooms, kitchens and exterior circuits. Flooring is worn, stained, loose, and mismatched due to nonavailability of original materials for replacement. The units have inadequate living and storage space, and lack patio/backyard privacy. There is little landscaping and no developed public neighborhood areas.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Units will continue to deteriorate rapidly, resulting in increasing operations, maintenance and repair costs to the Government and inconvenience to residents. Low morale and retention problems can be expected if such conditions are permitted to continue. Suitable, affordable off-base housing is not available.</p> <p><u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> NONE</p> <p><u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> NONE</p> <p><u>ADDITIONAL:</u> 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, improvement was found to be the most cost efficient over the life of the project. The cost to improve this housing is 50% of the replacement cost. Base Civil Engineer: Maj Tony Foti, 44-1-638-54-3216</p>		

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 1999 BUDGET REQUEST

FY 1999 ADVANCE PLANNING AND DESIGN

Program (In Thousands)
FY 1999 Program \$11,342
FY 1998 Program \$11,971

Purpose and Scope

This program provides for preliminary studies to develop additional family housing facilities, one time multi-phase design, and housing community plan developments; studies for site adaptation and determination of type and design of units; and working drawings, specifications, estimates, project planning reports and final design drawings of family housing construction projects. This includes the use of architectural and engineering services in connection with any family housing new or post acquisition construction program.

Program Summary

Authorization is requested for:

- (1) Advance planning and design for future year housing programs;
- (2) FY 1999 appropriation of \$11,342 to fund this effort as outlined in the following exhibit:

1. COMPONENT	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION	4. PROJECT TITLE			
VARIOUS AIR FORCE BASES	FAMILY HOUSING ADVANCE PLANNING AND DESIGN			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
8.87.42	711-000	XXXX97000PAD	11,342	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FAMILY HOUSING ADVANCE PLANNING AND DESIGN	LS			11,342
SUBTOTAL				11,342
TOTAL CONTRACT COST				11,342
TOTAL REQUEST				11,342
10. Description of Proposed Construction: Architect-engineer services, surveys, fees, etc., in connection with advance planning and design of family housing dwelling units and properties included in or proposed for the Air Force Family Housing Account.				
11. PROJECT: <u>REQUIREMENT:</u> The funds requested are necessary to procure architect-engineer services to make site and utility investigations; one time multi-phase design, and housing community plan (HCP) developments; for the preparation of design and specifications of advance plans for future year housing programs in connection with any family housing new or post acquisition construction programs. <u>IMPACT IF NOT PROVIDED:</u> The funds requested are necessary to support the development of the Housing Community Plans and to support the new construction and post acquisition construction programs.				

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
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OPERATIONS, UTILITIES AND MAINTENANCE
(Excluding Leasing and Debt)

Program (\$ in Thousands)
FY 1999 Program \$671,892
FY 1998 Program \$699,332

Purpose and Scope: Provides operations and maintenance resources to pay for the cost of ownership in terms of property management and day-to-day maintenance.

a. Operations. This portion of the program provides for operating expenses in the following sub-accounts:

(1) Management. Includes installation-level management such as housing office operations, quality assurance evaluators, administrative support, community liaison, and annual service fees paid to the Corporation-Trust Company. Provides the required corporate presence in Delaware for the United States Air Force Housing, Inc., which continues as the entity holding title to Capehart and Wherry real property. The housing referral program assists the two-thirds of Air Force families that live in local communities to find quarters in the private sector and implements the Fair Housing Act of 1968. Services include counseling on housing decision-making, providing advance information on new base of assignment, and assisting through settling-in and home-finding services.

(2) Services. Provides basic support services including refuse collection and disposal; fire and police protection; entomology and pest control; and snow removal and street cleaning.

(3) Furnishings. Procures household equipment (primarily stoves and refrigerators) and, in limited circumstances, furniture; controls furnishings inventories; and, maintains and repairs furniture and appliances.

(4) Miscellaneous. Includes mobile home hookups, leased office and warehouse space supporting family housing, payments to other federal agencies or foreign governments to operate permit housing units occupied by Air Force personnel, and similar costs.

b. Utilities. Includes all heat, electricity, water, sewer, and gas utilities serving family housing, purchased and base produced, except occupant purchased utilities such as telephone and cable TV.

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c. Maintenance. Provides upkeep of family housing real property, as follows:

(1) Maintenance/Repair of Dwellings. Service calls, routine maintenance, repairs, and replacement of deteriorated facility components.

(2) Exterior Utilities. Maintenance and repair of water, sewer, electric, steam and gas lines supporting family housing areas.

(3) Other Real Property. Upkeep of grounds, common areas, roads, parking areas, and other property for the exclusive use of family housing occupants not discussed above.

(4) Alterations and Additions. Minor alterations to housing units or housing support facilities. Large scope and high dollar value projects are included in the construction program.

The Air Force family housing budget requests essential resources to provide military families with housing either in the private market through assistance from a housing referral office, or in government housing. Increased emphasis has been placed on the proper funding of the family housing operations and maintenance program. The Air Force's FY 1999 Operation and Maintenance program emphasizes the following goals:

- * Identify affordable housing for military members. Where shortages exist, accomplish housing surveys and identify project proposals to request new construction or leasing of housing for military families.

- * Invest wisely in maintenance and repairs to preserve and restore the existing required housing inventory worldwide.

- * Reduce utility consumption through increased management emphasis on energy conservation and whole-house improvements.

- * Reduce furnishings inventories in accordance with transfers and realignments. Redistribute excess furnishings from realigned bases.

- * Fund government appliances and furniture consistent with cost/benefit studies and the delivery of new housing units which need government-supplied appliances.

- * Continue the Quarters Cleaning Initiative (QCI) which helps limit expensive overseas temporary housing allowances (TLAs) to

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approximately three days in lieu of the 10-day maximum. QCI program costs are offset by known savings in TLA accounts.

* Schedule maintenance and repair activities along with whole-house improvements to obtain the greatest enhancement in livability while increasing the useful life of housing units with the minimum capital investment and minimum impact on occupants.

* Pursue privatization ventures that will transfer operation and maintenance responsibility to the private sector where cost effective. Accelerated revitalization of housing assets is the biggest benefit of privatization.

* Continue efforts to decrease operations and maintenance costs in certain high-cost quarters.

* Continue installation, operation, maintenance, and improvement of the Automated Civil Engineer System-Housing Module (ACES-HM, formerly identified as Housing Information Management System (HIMS)), an Air Force-wide computer system designed to assist in all phases of housing management. Ongoing initiatives include beta-testing of software needed to fulfill daily assignment, scheduling, maintenance, and inspection of units. Improved customer service and reduced operations costs are anticipated through the fielding of this system.

This budget request is for funds needed to meet must-pay operations and utilities expenses, as well as the maintenance and repair of existing housing inventory. The Air Force shares the concerns of Congress to improve support to military families and to properly maintain the required existing housing inventory. This budget supports a long-range program responsive to Congressional desires while considering the current environment of budget restraint.

Operation and Maintenance FY 1999 Program Summary - Highlights
Authorization/Appropriation is requested in FY 1999 for \$671,892,000. This amount, together with estimated reimbursements of \$9,400,000, will fund the FY 1999 Operation and Maintenance program of \$681,292,000.

A summary of the funding program for FY 1999 is as follows
(\$ in thousands):

<u>Operations Request</u>	<u>Util Request</u>	<u>Maint Request</u>	<u>Total Direct Request</u>	<u>Reimburse-ment</u>	<u>Total Program</u>
\$131,019	\$152,214	\$388,659	\$671,892	\$9,400	\$681,292

**Air Force Military Family Housing
Operation and Maintenance, Summary
(Excludes Leased Units and Costs)
FY 1999**

EXHIBIT FH-2 WORLDWIDE

INVENTORY DATA	FY 97 WORLDWIDE		FY 98 WORLDWIDE		FY 99 WORLDWIDE	
UNITS IN BEGINNING of YEAR	110,766		109,831		109,476	
UNITS AT END of YEAR	109,831		109,476		110,181	
AVERAGE INVENTORY FOR YEAR	110,299		109,654		109,829	
FUNDING REQUIREMENTS (\$000)	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST
OPERATIONS (DIRECT)						
MANAGEMENT	53,213	\$482	52,665	\$480	52,495	\$478
SERVICES	32,824	\$298	35,819	\$327	36,066	\$328
FURNISHINGS	39,149	\$355	39,448	\$360	37,218	\$339
MISCELLANEOUS	<u>4,715</u>	<u>\$43</u>	<u>5,204</u>	<u>\$47</u>	<u>5,240</u>	<u>\$48</u>
SUBTOTAL - DIRECT OBLIGATIONS	\$129,901	\$1,178	\$133,136	\$1,214	\$131,019	\$1,193
Anticipated Reimbursements	<u>\$1,475</u>	<u>\$13</u>	<u>\$1,605</u>	<u>\$15</u>	<u>\$1,642</u>	<u>\$15</u>
GROSS OBLIGATIONS - OPERATIONS	\$131,376	\$1,191	\$134,741	\$1,229	\$132,661	\$1,208
UTILITY OPERATIONS						
Anticipated Reimbursements	<u>6,864</u>	<u>\$62</u>	<u>6,924</u>	<u>\$63</u>	<u>7,062</u>	<u>\$64</u>
GROSS OBLIGATIONS - UTILITIES	\$170,705	\$1,548	\$163,435	\$1,490	\$159,276	\$1,450
MAINTENANCE (DIRECT)						
M&R DWELLINGS	285,773	\$2,591	288,423	\$2,630	272,294	\$2,479
M&R EXT. UTILITIES	44,617	\$405	44,697	\$408	42,697	\$389
M&R OTH REAL PROP	38,477	\$349	38,670	\$353	37,251	\$339
ALTER & ADDITIONS	<u>37,793</u>	<u>\$343</u>	<u>37,895</u>	<u>\$346</u>	<u>36,417</u>	<u>\$332</u>
SUBTOTAL - DIRECT OBLIGATIONS	\$406,660	\$3,687	\$409,685	\$3,736	\$388,659	\$3,539
Anticipated Reimbursements	<u>\$661</u>	<u>\$6</u>	<u>\$669</u>	<u>\$6</u>	<u>\$696</u>	<u>\$6</u>
GROSS OBLIGATIONS - MAINTENANCE	\$407,321	\$3,693	\$410,354	\$3,742	\$389,355	\$3,545
TOTAL - DIRECT OPS & MAINTENANCE						
Anticipated Reimbursements	<u>\$9,000</u>	<u>\$82</u>	<u>\$9,198</u>	<u>\$84</u>	<u>\$9,400</u>	<u>\$86</u>
TOTAL GROSS OPS & MAINTENANCE	\$709,402	\$6,432	\$708,530	\$6,462	\$681,292	\$6,203

REAL PROPERTY MAINTENANCE ACTIVITIES OPERATION & MAINTENANCE COSTS Real Property Maintenance and Minor Construction Projects (HISTORIC HOUSING COSTS)				EXHIBIT FH-5
FY99 BUDGET REQUEST				
				(\$000)
HISTORIC HOUSING COSTS				
	FY97	FY98	FY99	
A. No. of Units:				
				1044
B. Improvements:	5,567	0	0	
C. Maintenance and Repair:	2,945	2,559	2,522	
Grand Total:	8,512	2,559	2,522	

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RECONCILIATION OF INCREASES AND DECREASES

EXHIBIT OP-5

OPERATIONS

	<u>Program In Thousands)</u>
FY 1999 Program	\$131,019
FY 1998 Program	\$133,136

The FY 1999 program represents Air Force family housing requirements and was developed using OSD/OMB approved inflation and foreign currency fluctuation rates. Adjustments have been made for force mission realignments. All program sub-accounts are described in detail in the following analyses:

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Management. The Management account includes installation-level management functions such as housing office operations, quality assurance evaluators, administrative support, community liaison, and annual service fees paid to the Corporate-Trust Company to provide the required corporate presence in Delaware. The housing referral program assists members to find quarters in the private sector and implements the Fair Housing Act of 1968.

(\$ in Thousands)

1.	FY 1998 President's Budget (Amended):	\$48,712
2.	Congressional Adjustments:	None
3.	FY 1998 Appropriation Amount:	\$48,712
4.	Supplementals:	None
5.	Price Growth:	None
6.	Functional Program Transfers	None
7.	Program Increases: Housing Privatization Feasibility studies, investment in Automated Civil Engineer System-Housing Module (ACES-HM) computer development.	\$3,953
8.	Program Decreases:	None
9.	FY 1998 Current Estimate:	\$52,665
10.	Price Growth:	
	a. Inflation	\$ 790
	b. Foreign Currency Fluctuation Rate adjustment	\$-238
11.	Functional Program Transfer:	None
12.	Program Increases: One-time computer-assisted training development and computer based procedures to serve customers	\$202
13.	Program Decreases: Non-recurring investment for Automated Civil Engineer System-Housing Module (ACES-HM)computer system development.	\$-924
14.	FY 1999 Budget Request:	\$52,495

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Analysis of Change in Management

The Management sub-account is a relatively stable program and is predominately fixed costs such as salaries and required administrative support supplies and equipment. As part of our management activity, we are continuing to develop new computer-based work tools to improve customer service and management of resources. This effort includes further refinement and operational implementation of the Automated Civil Engineer System-Housing Module (ACES-HM). This system improves customer services and data sharing for overall program management, and provides interactive training to ensure field acceptance and use.

As part of the continuing effort to develop alternatives for more cost effective activities, the Management sub-account provides funds for studies of privatization projects at selected installations. The management sub-account also provides funds for Housing Market Analyses at each base to determine the proper amount of housing needed to support the assigned population.

The Management sub-account is not per-unit specific since there is a basic level of support and manning for the base housing office regardless of the number of units. Minor adjustments were included in the budget request based on small changes in the inventory as well as increases for inflation.

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Services. Provides basic support services such as refuse collection and disposal; fire and police protection; entomology and pest control; snow removal; and street cleaning.

Military family housing activities are affected by many new environmental standards. The environmental legislative changes in states and foreign countries continue to evolve leading to an uncertain ability to predict program growth. Initiatives to remove lead based paint and asbestos, install leak detection on underground heating fuel storage tanks, and provide spill/overflow protection and corrosion control are also covered within this account. Increases in landfill costs are programmed and we anticipate these to continue in the future.

(\$ in Thousands)

1.	FY 1998 President's Budget (Amended):	\$35,849
2.	Congressional Adjustments:	None
3.	FY 1998 Appropriated Amount:	\$35,849
4.	Supplementals:	None
5.	Price Growth:	None
6.	Functional Program Transfers:	None
7.	Program Increases:	None
8.	Program Decreases: Adjustments to recycling programs	\$-30
9.	FY 1998 Current Estimate:	\$35,819
10.	Price Growth:	
	a. Inflation	\$537
	b. Foreign Currency Fluctuation rate adjustment	\$-724
11.	Functional Program Transfers:	None
12.	Program Increases: Additional tipping fees and environmental protection costs, inventory increase (175 units)	\$434

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- | | |
|-----------------------------|----------|
| 13. Program Decreases: | None |
| 14. FY 1999 Budget Request: | \$36,066 |

Analysis of Changes in Services

The Services budget request has been increased to meet the cost growth for service contracts. The most significant cost increases are for refuse removal contracts which are being modified to accommodate more costly environmental standards. This cost growth is primarily for increased tipping fees (landfill dumping costs) due to additional environmental requirements for safer containment of landfill runoff. In FY 1996 and FY 1997, new mandatory and voluntary recycling programs were implemented. Following initial recycling start-up costs, these programs have leveled off for FY 1998 and 1999.

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Furnishings. Includes the procurement for initial issue and replacement of household equipment (primarily stoves and refrigerators) and in limited circumstances, furniture; the control, moving, and handling of furnishings inventories; and the maintenance and repair of such items.

This Fiscal Year 1999 Budget reflects the "Sense of Congress" for increased burden sharing with foreign governments. Force structure reductions overseas have allowed the Air Force to reduce overseas furnishings inventories. However, overseas realignments are still occurring which increases operating costs for moving furnishings, as well as making it necessary to maintain adequate backup stock of appliances and furnishings for our overseas dependent families.

Loaner sets of furniture are issued to military families overseas so they may occupy permanent quarters prior to the arrival of personally owned furniture. Loaner sets are very cost effective because they reduce the cost of temporary quarters. Other items of household furnishings normally built into CONUS houses which are limited or not available in foreign countries, such as wardrobes (clothes closets), kitchen cabinets and appliances, are also issued to military families.

Leases in Europe also require closets and cabinets to be issued along with appliances since leased units overseas do not have the same accommodations available as in the United States.

The furnishings account funds essential furnishings at levels consistent with cost/benefit studies and the needs of the Air Force. Much of the funding requested in the furnishings account results from an analysis of the most economical use of funds for the government and avoids higher costs in other accounts such as military allowances and other support appropriations.

(\$ in Thousands)

1.	FY 1998 President's Budget (Amended):	\$36,427
2.	Congressional Adjustments:	None
3.	FY 1998 Appropriated Amount:	\$36,427
4.	Supplementals:	None
5.	Price Growth:	None
6.	Functional Program Transfers:	None

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7.	Program Increases: Italian Appliance Law, unanticipated furniture requirements in PACAF and USAFE.	3,021
8.	Program Decreases:	None
9.	FY 1998 Current Estimate:	\$39,448
10.	Price Growth:	
	a. Inflation	\$592
	b. Foreign Currency Fluctuation rate adjustment	\$-760
11.	Functional Program Transfers:	None
12.	Program Increases:	
	One-time transformer buy, inventory increase (175 units)	\$457
13.	Program Decreases:	\$-2,519
	Stabilized investment in Italian appliances, PACAF and USAFE unanticipated requirements satisfied	
14.	FY 1999 Budget Request:	\$37,218

Analysis of Changes in Furnishings

Furnishings costs are trending downward from over \$50 million per year in the late 1980's to \$37.2M in FY 1999. Base closures and realignments from overseas have been the primary cause of these reductions. Also, the Air Force reduced the number of locations with limited Joint Travel Regulation status which alleviated some of the requirement for furnishings support. During realignments in Europe furniture was moved to new locations to support continued operations. This FY 1999 budget request takes into consideration force structure drawdowns and closures and related shifts of furnishings. Even so, this request addresses the needs of newly constructed and leased housing units being added to the CONUS Air Force inventory to compensate for housing deficits. Also, mission requirements and realignments have resulted in build-up of activities at several locations in Europe, to include increases in concurrent family travel at Lakenheath AB England and Aviano AB Italy. With more families at these locations to support, the furnishings requirements have increased. Changes to Italian Law drive purchases of non-US manufactured gas appliances for use at Italian locations.

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Miscellaneous. Includes mobile home hookups, leased office and warehouse space supporting family housing, payments to other Federal agencies or foreign governments (i.e. United Kingdom and Australia) to operate Permit Housing units occupied by Air Force personnel, and similar costs.

(\$ in Thousands)

1.	FY 1998 President's Budget:	\$5,661
2.	Congressional Adjustments:	None
3.	FY 1998 Appropriated Amount:	\$5,661
4.	Supplementals:	None
5.	Price Growth:	None
6.	Functional Program Transfers:	None
7.	Program Increases:	
	Increased accommodation fees for RAF housing at Lakenheath and increased administrative support costs in USAFE	\$31
8.	Program Decreases:	-488
	Anticipated savings in country-to-country agreements in Australia and Japan	
9.	FY 1998 Current Estimate:	\$5,204
10.	Price Growth:	
	a. Inflation	\$78
	b. Foreign Currency Fluctuation	\$-2
11.	Functional Program Transfers:	None
12.	Program Increases:	
	Shared unit fees, inventory increase (175 units)	\$43
13.	Program Decreases:	\$-83
	Anticipated savings in country-to-country agreement with Australia from currency gain	
14.	FY 1999 Budget Request:	\$5,240

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Analysis of Changes in Miscellaneous

Minor adjustments are made to a stable program which covers incidental costs in support of the family housing accounts. The decrease results from costs of units supported in Australia are subject to foreign currency gains or losses which are not covered in the FCF account. These accommodation costs are incurred in accordance with requirements in host country agreements and are budgeted as "must pay" expenses. In addition, costs have increased due to the implementation of the International Cooperative Administrative Support Services (ICASS) Program which is a new system for managing and sharing the administrative support costs of overseas operations of US Foreign Affairs agencies and other US Government agencies that operate as part of the country team at US Embassies.

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RECONCILIATION OF INCREASES AND DECREASES

EXHIBIT OP-5

Utilities. This program provides for all utilities consumed in government-owned family housing. Electricity, purchased heating, water, sewage and waste systems are included. Military Family Housing facilities consume approximately one-fifth of Air Force facility energy usage; therefore, Military Family Housing residents and management share a significant role in the achievement of Air Force energy reduction goals. Since Military Family Housing occupants are not billed for their energy consumption, conservation motivation is rooted in other than individual financial incentives. The single most effective motivator is command emphasis. Energy projects to install set back thermostats, water heater jacket insulation, insulation in crawl and attic spaces, and thermal doors and windows are also achieving good results toward the attainment of Air Force energy conservation goals.

(\$ in Thousands)

1.	FY 1998 President's Budget (Amended):	\$154,556
2.	Congressional Adjustments:	None
3.	FY 1998 Appropriated Amount:	\$154,556
4.	Supplementals:	None
5.	Price Growth:	None
6.	Functional Program Transfers:	None
7.	Program Increases: Unstable country-to-country agreements	\$1,955
8.	Program Decreases:	None
9.	FY 1998 Current Estimate:	\$156,511
10.	Price Growth:	
	a. Inflation	\$2,348
	b. Foreign Currency Fluctuation Rate Adjustment	\$-1,186
11.	Functional Program Transfer:	None

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12. Program Increases:		
Inventory increase (175 units)		\$255
13. Program Decreases:		
Savings from commander's emphasis on energy conservation		\$-5,714
14. FY 1999 Budget Request:		\$152,214

Analysis of Changes in Utilities

The requirement for FY 1999 is based on historical obligation trends which continue to be influenced by weather and energy conservation savings resulting from whole-house improvements and energy conservation projects. In addition, conversion of Military Family Housing units in Germany from base-produced heat to heat purchased from a local plant helped reduce overall utility costs. In general, the continuing trend for utilities is cost growth below normal inflation as a result of on-going programs and initiatives to conserve energy. The consumption usage stream shown in the following table is consistent with the Air Force goals of reducing energy consumption and costs through conversion to natural gas and installation of energy saving materials in housing units.

UTILITIES (000)

PROJECTED ENERGY CONSUMPTION	<u>FY 1997</u>	<u>FY 1998</u>	<u>FY 1999</u>
Electricity (KWH)	1,740	1,687	1,636
Fuel Oil (Bbls)	388	380	372
Natural Gas (KCF)	6,290	6,227	6,164
Coal (MBTUs)	352	348	345
Purchased Steam (MBTUs)	576	564	552

Overall, utility rates are stable. Continued conservation efforts are reducing consumption and costs. The primary reason for cost growth is due to inflation which is offset by continued emphasis on conservation of utilities and investment in energy savings housing materials.

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RECONCILIATION OF INCREASES AND DECREASES

EXHIBIT OP-5

Maintenance. Provides upkeep of family housing real property through service calls, change of occupancy rehabilitation, routine maintenance, preventive maintenance, interior and exterior painting, and major repairs.

(\$ in Thousands)

1.	FY 1998 President's Budget (Amended):	\$432,282
2.	Congressional Adjustments:	\$-12,700
3.	FY 1998 Appropriated Amount:	\$419,582
4.	Supplementals:	None
5.	Price Growth:	None
6.	Functional Program Transfers:	None
7.	Program Increases:	None
8.	Program Decreases:	\$- 9,897
	Increased "must pay" costs in other accounts have caused a decrease in available funds for maintenance: to Management for privatization studies, to Furnishings to meet requirement of Italian appliance laws, to Leasing to meet increased costs and additional overseas requirement, to Utilities to meet additional costs on unstable country-to-country agreements.	
9.	FY 1998 Current Estimate:	\$409,685
10.	Price Growth:	
	a. Inflation	\$6,145
	b. Foreign Currency Fluctuation	\$-4,449
11.	Functional Program Transfer:	None
12.	Program Increases:	
	Inventory increase (175 units)	\$436

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- | | |
|---|-----------|
| 13. Program Decreases: | \$-23,158 |
| Non-emergency maintenance deferred
due to budget constraints | |
| 14. FY 1999 Budget Request: | \$388,659 |

Analysis of Changes in Maintenance Program

Previously limited maintenance funding and a high occupant turnover have accelerated deterioration of the Air Force's aging housing inventory. Constrained funding has resulted in a greater reliance on temporary fixes which in the long run only exacerbates the deterioration of our housing units. In addition, the infrastructure which supports the units is now beyond its projected economic life at most of our installations. Several systems have failed and many are near failure.

The family housing assets maintained by the Air Force are valued at over \$16.5 billion in replacement costs. Sound property management must be applied to preserve and protect this major investment to ensure that these facilities can be occupied continuously. Budget constraints have had an adverse impact on the Air Force's program to contain the growth of deferred maintenance.

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SUMMARY OF BACKLOG OF DEFERRED MAINTENANCE AND REPAIR (DMAR)
(\$ in Millions)

	<u>FY 1997</u>	<u>FY 1998</u>	<u>FY 1999</u>
Beginning of Year DMAR	928	971	1,086
Revitalization Reduction	-76	-73	-49
BRAC IV reduction	-1	0	0
Per-Year Asset Degradation (Inflation and Asset Deterioration)	70	72	80
Revised Beginning of Year DMAR	921	970	1,117
Annual Maintenance Requirement	457	526	530
Total Requirement	1378	1,496	1,647
Annual Maintenance Funding	407	410	388
End of Year Backlog	971	1,086	1,259
Backlog Reduction (Growth)	(43)	(115)	(173)
DMAR per Dwelling Unit (\$000)	8.8	9.9	11.5

Deterioration of the Air Force's aging housing inventory is accelerating. The total maintenance requirement reflected on this chart portrays only those projects which are required to meet and sustain approved standards. This chart reflects the decision to fund maintenance at the highest possible level to arrest DMAR growth. However, with current funding constraints DMAR continues to grow.

In a 20 June 1995 DoD Inspector General Quality of Life Survey, 73% of DoD-wide Installation Commanders expressed concern about Family Housing and its impact on personnel performing the mission on their installations. Family Housing received the highest ranked response at 73%, far outpacing the next highest concern which was 34% for Health Care. Within the Air Force, 91% of the Installation Commanders expressed concern for Family Housing and 82% placed Family Housing in their top three priorities for needing additional funding--above areas such as base facilities, recreation and services, income/cost of living adjustments, and even health care.

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Consistent with Congressional concerns, the Air Force is actively pursuing means to reduce the Deferred Maintenance and Repair backlog. The Air Force's goal is to reduce end of year backlog to one year's normal recurring maintenance and repair of our dwellings to ensure availability of quarters which meet Air Force standards. The method we use to measure our effectiveness against these standards is to track the impact of the funded program against Deferred Maintenance and Repair. When funding is lower than maintenance requirements, asset deterioration accelerates. This current growth of maintenance costs is above inflation rates and increases the scope of future programmed work. Another impact from underfunded maintenance is an increase in the number of emergency repairs which are disruptive to occupants, costly, and manpower intensive. The backlog of unrepaired systems also generates other work (i.e., delayed roof projects require additional work to fix leaks, patch and paint ceilings, etc.) Current funding levels do not achieve the goal of reducing Deferred Maintenance and Repair.

The Air Force has initiated a whole-house/whole-neighborhood concept to determine total funding required to bring existing facilities up to new construction standards. This concept combines all improvements with required maintenance and repairs into one project, minimizing quarters downtime and disruption to residents for piece-meal work. The dollars in the revitalization program contribute to the reduction in Deferred Maintenance and Repair. However, if whole-house renovations are delayed for too long, emergency projects to fix specific systems (e.g. roof leaks) must be accomplished in the interim, driving up life-cycle costs.

Quality family housing has a great impact on the lives of our members and the readiness of our forces. It is for this reason that we believe the maintenance dollars the Air Force has programmed in this budget will have a payback far greater than that which can be measured in terms of average unit costs. Future budget increases to this account can only improve the quality of life for our airmen and their families.

This request reflects the decision to fund maintenance at a level which partially arrests Deferred Maintenance and Repair growth within funding constraints. Emphasis on timely maintenance and repairs is essential to ensure quarters are available for occupancy. Continually deferring such work increases the rate of deterioration, compounding the additional unfunded requirements in future years.

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FAMILY HOUSING REPAIRS
(EXCEEDING \$15,000 THRESHOLD)

<u>Location</u>	<u>No</u> <u>Units</u>	<u>Year</u> <u>Built</u>	<u>High Unit</u> <u>Cost</u> (<u>\$000</u>)	<u>Unit</u> (<u>NSF</u>)	<u>Proj</u> (<u>NSF</u>)	<u>Total Cost</u> (<u>\$000</u>)	<u>Improvements</u> <u>Non-Routine</u> (<u>\$000 FY94-98</u>)
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This information is provided to comply with the 1984 House Appropriations Committee language requiring the Services to report any expenditures for major maintenance and repair projected to exceed \$15,000 per unit.

The number of maintenance projects over this threshold have increased significantly over previous years which reflects a growing deterioration of the inventory and growing inflationary pressure on the threshold. This is primarily due to the growing number of units that are waiting for improvement and renovation with investment funding. Many have deteriorated to the point that they must be repaired to continue occupancy. Since over 60 percent of the average investment project includes major maintenance and repair actions, we can mitigate some of these problems through the O&M program. While these projects are shown as line items here, the maintenance budget estimate includes these problems among overall requirements for the entire inventory.

Inflation plays a role in driving repair costs beyond the \$15,000 threshold. Eventually relatively routine repairs will exceed the threshold if no upward adjustment to the threshold is made to account for inflation.

CONUS

<u>Location</u>	<u>No</u> <u>Units</u>	<u>Year</u> <u>Built</u>	<u>High Unit</u> <u>Cost</u> (<u>\$000</u>)	<u>Unit</u> (<u>NSF</u>)	<u>Proj</u> (<u>NSF</u>)	<u>Total Cost</u> (<u>\$000</u>)	<u>Improvements</u> <u>Non-Routine</u> (<u>\$000 FY94-98</u>)
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ALABAMA

<u>Maxwell</u>	20	1934	42	2,624	52,480	740	2,062
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Narrative: Repair clay tile roofs on houses and garages. Project includes replacing rotted decking and structural members, installing new clay tiles to meet historic criteria, replacing fascia boards, gutters, window frames and windows.

CALIFORNIA

<u>Travis</u>	56	1957	99	1,350	75,600	5,087	0
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Narrative: Replace cracked asbestos cement siding with new stucco; replace low-slope roof system with new trusses and shingles; replace doors and windows. Repair finishes, floors, and tile in bathrooms and kitchens. Replace bathroom fixtures, kitchen cabinets, sinks, dishwashers, and disposal units. Replace exterior and interior wiring and electrical components; replace patio slabs; repair carports.

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FAMILY HOUSING REPAIRS
(EXCEEDING \$15,000 THRESHOLD)

<u>Location</u>	<u>No</u> <u>Units</u>	<u>Year</u> <u>Built</u>	<u>High Unit</u> <u>Cost</u> <u>(\$000)</u>	<u>Unit</u> <u>(NSF)</u>	<u>Proj</u> <u>(NSF)</u>	<u>Total Cost</u> <u>(\$000)</u>	<u>Improvements</u> <u>Non-Routine</u> <u>(\$000 FY94-98)</u>
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<u>Travis</u>	68	1957	49	1,293	85,204	2,797	0
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Narrative: Replace roofs, carport support structures, patio slabs, doors, evaporative coolers, and furnaces; replace exterior electrical wiring and components; replace siding and insulation.

<u>Travis</u>	30	1957	95	1,293	38,790	2,370	0
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Narrative: Replace roofs, carport support structures, patio slabs, doors, evaporative coolers, and furnaces; replace exterior electrical wiring and components; replace siding and insulation; perform complete interior renovation.

<u>Vandenberg</u>	172	1959	24	1,064	183,008	3,352	0
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Narrative: Replace corroded and leaking overhead water pipes. Mineral deposits in pipes severely restrict water flow resulting in minimal water pressure at faucets. Pipes leak above ceilings, destroying ceilings. Replace existing two-conductor wiring with three-conductor system that meets electrical codes. Repair existing 50-amp electrical service to meet Air Force standards and handle the increased load of numerous appliances not available in the 1960's.

FLORIDA

<u>Patrick</u>	60	1957	46	1,046	62,760	2,250	0
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Narrative: Replace ridge vents, soffits, and windows. Repair fascia and deteriorated wood siding, patch and paint exterior stucco walls, repair and paint interior walls and ceilings, repair floors and interior wood trim, replace light fixtures and wiring, renovate bathrooms.

GEORGIA

<u>Moody</u>	1	1953	29	2,607	2,607	0	
	2	1965	25	1,665	3,330	0	
	1	1965	25	2,189	2,189	0	
	2	1972	25	2,069	4,138	0	
<u>Total</u>	6				12,264	129	0

Narrative: Replace kitchen cabinets, windows, door bell system, fire detectors and ceiling fans. Repair bathrooms, replace fixtures and repair finishes.

<u>Robins</u>	4	1942	43	1,517	6,068	144	0
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Narrative: Replace existing HVAC system, electrical wiring, panel boards, outlets, water supply and sewer piping. Existing HVAC system is over 15 years old; existing electrical system more than 50 years old. Upgrade electrical system to support modern occupant electrical appliance load.

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FAMILY HOUSING REPAIRS
(EXCEEDING \$15,000 THRESHOLD)

<u>Location</u>	<u>No Units</u>	<u>Year Built</u>	<u>High Unit Cost (\$000)</u>	<u>Unit (NSF)</u>	<u>Proj (NSF)</u>	<u>Total Cost (\$000)</u>	<u>Improvements Non-Routine (\$000 FY94-98)</u>
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<u>Robins</u>	3	1942	25	1619	4857	63	0
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Narrative: Replace existing electrical wiring, panel boards, outlets, water supply and sewer piping. Existing 50-year-old electrical wiring is brittle and deteriorating due to age. Plumbing piping is clogged with sediment and deposits.

ILLINOIS

<u>Scott</u>	122	1972	29	1,724	210,328	2,904	0
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Narrative: Replace rotted fiberboard siding and trim with vinyl siding; replace deteriorated windows with energy conserving vinyl-clad wood windows. Paint existing trim to match new trim.

KANSAS

<u>McConnell</u>	1	1959	106	2,313	2,313	106	17
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Narrative: Repair walls, ceilings, and floors in entry vestibule, kitchen, bedroom, dining room, family room, and living room. Repair patios.

MISSISSIPPI

<u>Keesler</u>	40	1955	45	898	53,880	1,680	724
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Narrative: Renovate kitchens and bathrooms. Replace electrical system, gypsum board walls and ceilings, air conditioning system, doors and windows. Repair interior and exterior surfaces, repoint and patch brick, and install carpet.

NEBRASKA

<u>Offutt</u>	13	1896	25	1,030	13,390	221	156
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Narrative: Repair 13 Historic residence foundations, tuckpoint exterior brick walls and chimney, repair roof and exterior pavements.

<u>Offutt</u>	10	1896	45	3,320	33,200	380	180
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Narrative: Repair 13 Historic residence foundations, tuckpoint exterior brick walls and chimney, repair windows, replace carpet, and paint quarters.

<u>Offutt</u>	61	1952	28	1,309	79,849	1,397	0
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Narrative: Repair heating, ventilation, and air conditioning. Replace insulation, windows and doors to ensure habitability and energy conservation. Repair stoops.

NEW MEXICO

<u>Kirtland</u>	79	1959	25	1,700	134,300	1,659	0
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(EXCEEDING \$15,000 THRESHOLD)

<u>Location</u>	<u>No</u> <u>Units</u>	<u>Year</u> <u>Built</u>	<u>High Unit</u> <u>Cost</u> <u>(\$000)</u>	<u>Unit</u> <u>(NSF)</u>	<u>Proj</u> <u>(NSF)</u>	<u>Total Cost</u> <u>(\$000)</u>	<u>Improvements</u> <u>Non-Routine</u> <u>(\$000 FY94-98)</u>
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Narrative: Remove existing roof system, repair structural deterioration, replace roof and underlayment with new sloped asphalt shingle roof.

NORTH CAROLINA

<u>Pope</u>	1	1933		61	3,192	3,192	
	7	1933		61	2,871	19,467	
<u>Total</u>	8				22,659	410	302

Narrative: Replace deteriorated asphalt shingle roof. Remove lead based paint from interior and exterior doors; repaint doors. Refinish doors to meet historic criteria.

OHIO

<u>Wright-Patterson</u>	106	1975		22	1,230	130,380	1,855	0
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Narrative: Repair windows, siding, roof flashing, gutters, and downspouts. Replace exterior light fixtures, door bell switches, and exterior exhaust vents. Repair sidewalks, curbs, and entry steps. Replace rear service door on garages. Construct new gables and dormers. Repair eaves and construct new patio door overhangs.

SOUTH CAROLINA

<u>Charleston</u>	5	1959		70	957	4,785	
	11	1959		70	1,100	12,100	
	8	1959		70	1,085	8,680	
	1	1959		70	1,080	1,080	
<u>Total</u>	25				26,645	1,449	68

Narrative: Repair plumbing and electrical systems, replace floor & wall coverings; replace cabinets; replace doors and windows; paint interior walls and ceilings.

<u>Charleston</u>	5	1959		96	1,679	8,395	
	4	1959		96	1,657	6,628	
<u>Total</u>	9				15,023	781	0

Narrative: Repair plumbing and electrical systems; relocate water heaters from attics; remove flat roofs and replace with sloped roofs; replace floor & wall covering; replace kitchen cabinets, paint interior walls and ceilings; replace doors, windows, and siding.

<u>Charleston</u>	84	1957		25	1,287	108,108	1,840	0
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Narrative: Replace deteriorating single-pane windows and blinds with energy conserving windows and blinds. Replace wood siding with low-maintenance vinyl

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<u>Location</u>	<u>No</u> <u>Units</u>	<u>Year</u> <u>Built</u>	<u>High Unit</u> <u>Cost</u> (<u>\$000</u>)	<u>Unit</u> (<u>NSF</u>)	<u>Proj</u> (<u>NSF</u>)	<u>Total Cost</u> (<u>\$000</u>)	<u>Improvements</u> <u>Non-Routine</u> (<u>\$000 FY94-98</u>)
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siding; replace exterior doors with energy-conserving insulated doors.

TENNESSEE

<u>Arnold</u>	28	1964	35	1,424	39,884	812	0
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Narrative: Replace siding, shutters, windows, window frames, and vinyl floor covering; renovate bathrooms.

TEXAS

<u>Brooks</u>	34	1962	37	1,070	36,380	1,043	0
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Narrative: Replace deteriorated wood siding with vinyl siding, replace exterior wood doors and shingle roofs, clean and repair HVAC ducts. Vinyl siding will eliminate the need to paint wood siding, and encapsulate lead paint. Exterior wood doors are energy inefficient and coated with lead paint. HVAC ducts are rusty, moldy, and coated with dust, leading to numerous occupant health complaints.

<u>Brooks</u>	1	1962	19	1,381	1,381	16	0
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Narrative: Repair under-slab plumbing; repair cracked interior and exterior walls; level foundation slabs, replace interior finishes.

VIRGINIA

<u>Langley</u>	2	1931	27	2,787	5,574	54	0
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Narrative: Remove lead-based paint and repaint units, repair trim to meet historic criteria.

WYOMING

<u>Warren</u>	1	1967	25	1,242	1,242	25	0
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Narrative: Repair a housing unit for the Wing Senior Enlisted Advisor. Replace kitchen floor and cabinets, replace bathroom fixtures, upgrade light fixtures, replace carpeting, install ceiling fans, replace window coverings and paint the interior and exterior of the unit.

OVERSEAS

ALASKA

<u>Elmendorf</u>	124	1942	22	1,144	14,514	2,232	0
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Narrative: Replace kitchen cabinets, counters, fixtures, lights, floor and wall covering. Replace electrical service entrance, panel, and outlets with safety ground-fault interrupt circuit breakers. Remove interior door, alter wall and

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<u>Location</u>	<u>No</u> <u>Units</u>	<u>Year</u> <u>Built</u>	<u>High Unit</u> <u>Cost</u> (<u>\$000</u>)	<u>Unit</u> <u>(NSF)</u>	<u>Proj</u> <u>(NSF)</u>	<u>Total Cost</u> (<u>\$000</u>)	<u>Improvements</u> <u>Non-Routine</u> (<u>\$000 FY94-98</u>)
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extend countertops.

GERMANY

<u>Ramstein</u>	48	1951	110	1,145	54,960	4,937	105
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Narrative: Replace kitchen fixtures, sinks, cabinets, and counters; bath fixtures, sinks, and tubs; water, heat, and sewage lines; entrance, exit, fire, and basement doors. Replace 2-wire electrical system with 3-wire system. Replace electrical fixtures, outlets, switches, panel boxes, doorbells, and intercom systems. Repair floor and wall tiles. Plaster and paint surfaces. Repair common areas and correct fire deficiencies. Replace deteriorated balconies.

<u>Ramstein</u>	42	1956	154	1,060	44,520	5,113	45
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Narrative: Replace kitchen fixtures, sinks, cabinets, and counters; bath fixtures, sinks, and tubs; water, heat, and sewage lines; entrance, exit, fire, and basement doors. Replace 2-wire electrical system with 3-wire system. Replace electrical fixtures, outlets, switches, panel boxes, doorbells, and intercom systems. Repair floor and wall tiles. Plaster and paint surfaces. Repair common areas and correct fire deficiencies. Replace deteriorated balconies.

<u>Ramstein</u>	16	1953	147	1,337	21,392	2,320	154
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Narrative: Replace kitchen fixtures, sinks, cabinets, and counters; bath fixtures, sinks, and tubs; water, heat, and sewage lines; entrance, exit, fire, and basement doors. Replace 2-wire electrical system with 3-wire system. Replace electrical fixtures, outlets, switches, panel boxes, doorbells, and intercom systems. Repair floor and wall tiles. Plaster and paint surfaces. Repair common areas and correct fire deficiencies. Replace deteriorated balconies.

<u>Spangdahlem</u>	18	1955	143	1,220	21,960	2,232	0
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Narrative: Repair ceilings, windows, and doors as required in kitchens, halls, stairwells, baths, bedrooms, living rooms, laundries, and balconies. Repair electrical conduit, HVAC, water, lighting, sewage, and lightning protection. Repair wood floors and baseboards. Replace floors in baths, kitchens, laundry and halls. Repair building entrances, gutters, mailboxes, doorbells, storage areas, intercom systems, and landscaping. Provide environmental abatement, energy and water meters, water filters, smoke detection, fire-reporting systems, ground fault interrupters, and television and telephone connections where appropriate. Repair roof.

<u>Spangdahlem</u>	18	1955	143	1,220	21,960	2,232	0
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Narrative: Repair ceilings, windows, and doors as required in kitchens, halls, stairwells, baths, bedrooms, living rooms, laundries, and balconies. Repair electrical conduit, HVAC, water, lighting, sewage, and lightning protection. Repair wood floors and baseboards. Replace floors in baths, kitchens, laundry and halls. Repair building entrances, gutters, mailboxes, doorbells, storage areas, intercom systems, and landscaping. Provide environmental abatement, energy and water meters, water filters, smoke detection, fire-reporting systems, ground fault inter-

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FAMILY HOUSING REPAIRS
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<u>Location</u>	<u>No</u> <u>Units</u>	<u>Year</u> <u>Built</u>	<u>High Unit</u> <u>Cost</u> <u>(\$000)</u>	<u>Unit</u> <u>(NSF)</u>	<u>Proj</u> <u>(NSF)</u>	<u>Total Cost</u> <u>(\$000)</u>	<u>Improvements</u> <u>Non-Routine</u> <u>(\$000 FY94-98)</u>
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rupters, and television and telephone connections where appropriate. Repair roof.

<u>Spangdahlem</u>	18	1955	143	1,220	21,960	2,232	0
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Narrative: Repair ceilings, windows, and doors as required in kitchens, halls, stairwells, baths, bedrooms, living rooms, laundries, and balconies. Repair electrical conduit, HVAC, water, lighting, sewage, and lightning protection. Repair wood floors and baseboards. Replace floors in baths, kitchens, laundry and halls. Repair building entrances, gutters, mailboxes, doorbells, storage areas, intercom systems, and landscaping. Provide environmental abatement, energy and water meters, water filters, smoke detection, fire-reporting systems, ground fault interrupters, and television and telephone connections where appropriate. Repair roof.

<u>Spangdahlem</u>	18	1955	143	1,220	21,960	2,232	0
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Narrative: Repair ceilings, windows, and doors as required in kitchens, halls, stairwells, baths, bedrooms, living rooms, laundries, and balconies. Repair electrical conduit, HVAC, water, lighting, sewage, and lightning protection. Repair wood floors and baseboards. Replace floors in baths, kitchens, laundry and halls. Repair building entrances, gutters, mailboxes, doorbells, storage areas, intercom systems, and landscaping. Provide environmental abatement, energy and water meters, water filters, smoke detection, fire-reporting systems, ground fault interrupters, and television and telephone connections where appropriate. Repair roof.

GUAM

<u>Andersen</u>	76	1959	34	1,108	84,208	2,052	0
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Narrative: Replace aging air conditioning units with energy efficient models. Provide screen around exterior of unit to protect occupants from noise.

<u>Andersen</u>	35	1960	34	1,121	39,235	980	0
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Narrative: Repair kitchens and utility rooms to include replacing cabinets, appliances, plumbing, mechanical and electrical systems, and interior painting.

<u>Andersen</u>	26	1960	44	1,121	29,146	988	0
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Narrative: Repair houses with one bathroom to include replacing cabinets, fixtures, plumbing, mechanical and electrical systems; and interior painting

<u>Andersen</u>	50	1960	25	1,121	55,050	950	0
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Narrative: Repair houses with two bathrooms to include replacing cabinets, fixtures, plumbing, mechanical, and electrical systems; and interior painting.

JAPAN

<u>Kadena</u>	52	1985	41	916	47,632		0
	44	1985	41	916	40,304		0
	<u>135</u>	1983	41	1,152	<u>155,520</u>		0

<u>Total</u>	231				<u>243,456</u>	8,547	
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DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 1999 BUDGET REQUEST

FAMILY HOUSING REPAIRS
(EXCEEDING \$15,000 THRESHOLD)

<u>Location</u>	<u>No</u> <u>Units</u>	<u>Year</u> <u>Built</u>	<u>High Unit</u> <u>Cost</u> <u>(\$000)</u>	<u>Unit</u> <u>(NSF)</u>	<u>Proj</u> <u>(NSF)</u>	<u>Total Cost</u> <u>(\$000)</u>	<u>Improvements</u> <u>Non-Routine</u> <u>(\$000 FY94-98)</u>
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Narrative: Replace domestic hot water and HVAC systems and associated electrical hardware with reverse-cycle heat pumps. Provide concrete pad and electrical connections to support heat pumps.

<u>Kadena</u>	132	1976	29	1,000	132,000	3,432	0
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Narrative: Phase 4 of a multiphase program to upgrade electrical systems to meet current codes. Replace all interior electrical wiring, switches, outlets, light fixtures, and circuit breakers with three-conductor systems.

<u>Kadena</u>	24	1965	60	1,616	38,784	1,392	0
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Narrative: Phase 5 of a multiphase program to upgrade electrical systems to meet current codes. Replace all interior electrical wiring, switches, outlets, light fixtures, and circuit breakers with three-conductor systems. Replace windows and exterior doors with new energy efficient doors and windows. Repair deteriorated bedroom closets.

<u>Kadena</u>	76	1982	28	1,149	87,324	1,672	0
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Narrative: Phase 1 of kitchen repair project, to include replacement of cabinets, countertops, fixtures, electrical systems, appliances, and flooring.

<u>Kadena</u>	76	1982	27	1,149	87,324	1,596	0
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Narrative: Phase 2 of kitchen repair project, to include replacement of cabinets, countertops, fixtures, electrical systems, appliances, and flooring.

<u>Kadena</u>	76	1982	27	1,149	87,324	1,596	0
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Narrative: Phase 3 of kitchen repair project, to include replacement of cabinets, countertops, fixtures, electrical systems, appliances, and flooring.

<u>Misawa</u>	10	1987	48	1,810	18,100	380	0
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Narrative: Remove existing roof system, repair structural deterioration, replace roof and underlayment with new roof materials.

UNITED KINGDOM

<u>Lakenheath</u>	30	1960	73	1,183	35,490	1,740	100
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Narrative: Repair structural deterioration and damage; repair interior finishes in kitchens, bedrooms, bathrooms, living rooms, hallways, and foyers. Replace electrical distribution, mechanical, ventilation, heating, water, and sewage systems. Replace 110 volt electrical system, letter boxes, windows, blinds, doors, and front stoops.

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MILITARY FAMILY HOUSING
FISCAL YEAR 1999 BUDGET REQUEST

FAMILY HOUSING REPAIRS
(EXCEEDING \$15,000 THRESHOLD)

<u>Location</u>	<u>No</u> <u>Units</u>	<u>Year</u> <u>Built</u>	<u>High Unit</u> <u>Cost</u> (<u>\$000</u>)	<u>Unit</u> <u>(NSF)</u>	<u>Proj</u> <u>(NSF)</u>	<u>Total Cost</u> (<u>\$000</u>)	<u>Improvements</u> <u>Non-Routine</u> (<u>\$000 FY94-98</u>)
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<u>Molesworth</u>	31	1958	67	1,293	40,083	1,665	100
Narrative: Repair kitchens, bathrooms, bedrooms, living rooms, balconies, hallways and foyers. Replace electrical distribution, mechanical, ventilation, heating, water, and sewage systems. Replace 110 volt electrical system, letter boxes, windows, blinds, doors, and front stoops.							

The following projects were submitted or notified as above-threshold for 1997:

Offutt AFB, Nebraska

Narrative: Emergency structural repairs to five non-GOQ quarters to correct crumbling foundations and leaky basements forced the units above-threshold to approximately \$34,000 per unit.

Eielson AFB, Alaska

Kadena AB, Japan

Misawa AB, Japan

Langley AFB, Virginia

Seymour-Johnson AFB, North Carolina

Fairchild AFB, Washington

Narrative: The Air Force submitted a consolidated notification for units on these bases because of restorations due to damage from fire and steam leaks. The total cost of all projects was \$409,000.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
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FAMILY HOUSING REPAIRS
(EXCEEDING \$25,000 THRESHOLD)

<u>Location</u>	<u>Qtrs</u> <u>ID</u>	<u>Size</u> <u>NSF</u>	<u>Year</u> <u>Built</u>	<u>Oper</u> <u>Total</u> (\$000)	<u>Util</u> <u>Total</u> (\$000)	<u>Maint</u> <u>Total</u> (\$000)	<u>Total</u> <u>O&M</u> (\$000)	<u>Unit</u> <u>Maint</u> <u>Limit</u> (\$000)	<u>Improvements</u> <u>Non-Routine</u> <u>FY1994-1998</u> (\$000)
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This information is provided to comply with the 1984 House Appropriations Committee language requiring the Services to report any expenditures from the maintenance account for General or Flag Officer housing projected to exceed \$25,000 per unit.

The number of maintenance projects over this threshold have increased significantly over previous years which reflects a growing deterioration of the inventory and growing inflationary pressure on the threshold. This is primarily due to the growing number of units that are waiting for improvement and renovation with investment funding. Since over 60 percent of the average investment project includes major maintenance and repair actions, we can mitigate some of these problems through the O&M program. While these projects are shown as line items, the maintenance budget estimate includes these problems among overall requirements for the entire inventory.

As with the non-GOQ units exceeding the \$15,000 threshold, inflation plays a role in driving repair costs beyond the \$25,000 threshold. Eventually relatively routine repairs will exceed the specified thresholds if no upward adjustment to the threshold is made to account for inflation.

Each project described below includes all maintenance and repair, alterations, asbestos and lead based paint management/abatement and operations costs anticipated for FY99 to present a complete picture of the spending projected for the quarters.

CONUS

<u>Location</u>	<u>Qtrs</u> <u>ID</u>	<u>Size</u> <u>NSF</u>	<u>Year</u> <u>Built</u>	<u>Oper</u> <u>Total</u> (\$000)	<u>Util</u> <u>Total</u> (\$000)	<u>Maint</u> <u>Total</u> (\$000)	<u>Total</u> <u>O&M</u> (\$000)	<u>Unit</u> <u>Maint</u> <u>Limit</u> (\$000)	<u>Improvements</u> <u>Non-Routine</u> <u>FY1994-1998</u> (\$000)
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COLORADO

<u>Peterson</u>	216 Otis Circle	2,887	1980	2	4	55	61	55	0
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Narrative: Replace leaky windows with energy conserving windows, replace roof.

<u>Peterson</u>	218, 220 Otis Circle	2,084	1965	2	6	70	78	35	0
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Narrative: Repair heat and ventilation system, install air conditioning, replace existing leaky windows with energy conserving windows.

<u>Peterson</u>	465-487 Selfridge Circle	2,090	1967	8	24	280	312	39	0
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Narrative: Repair heat and ventilation system, install air conditioning, replace existing leaky windows with energy conserving windows. (8 units)

<u>USAF Academy</u>	6776	5,328	1935	1	2	321	324	321	29
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MILITARY FAMILY HOUSING
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FAMILY HOUSING REPAIRS
(EXCEEDING \$25,000 THRESHOLD)

<u>Location</u>	<u>Qtrs</u> <u>ID</u>	<u>Size</u> <u>NSF</u>	<u>Year</u> <u>Built</u>	<u>Oper</u> <u>Total</u> <u>(\$000)</u>	<u>Util</u> <u>Total</u> <u>(\$000)</u>	<u>Maint</u> <u>Total</u> <u>(\$000)</u>	<u>Total</u> <u>O&M</u> <u>(\$000)</u>	<u>Unit</u> <u>Maint</u> <u>Limit</u> <u>(\$000)</u>	<u>Improvements</u> <u>Non-Routine</u> <u>FY1994-1998</u> <u>(\$000)</u>
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Narrative: Repair Carlton House, home of the Air Force Academy Superintendent. House is on the National Register of Historic Places and must be repaired in a manner which preserves its historic character. Project includes removing existing failing tile roof and underlayment, repairing structure as needed, reapplying roof materials; sandblasting existing paint and stucco wall coating, reapplying stucco and paint; restoring upstairs windows, refinishing verandah woodwork.

GEORGIA

<u>Moody</u>	253	2,607	1953	5	2	79	86	79	0
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Narrative: Replace roof to include shingles, underlayment, decking and deteriorated structural members; install insulation to promote energy savings; repair main entry to meet Air Force standards, replace windows with energy efficient models, replace deteriorated doors, smoke detectors and ceiling fans as needed; replace wallcovering in the bathrooms, living and dining rooms; repair driveway and sidewalks.

<u>Robins</u>	405	2,080	1942	10	3	50	63	50	0
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Narrative: Replace existing heating, ventilation, and air conditioning (HVAC), existing electrical system (wiring, panel boards, outlets) and plumbing (waste and water lines). HVAC system is over 15 years old and the electrical system is over 50 years old. Wire insulation is brittle and deteriorating. Plumbing is clogged with deposits and sediment.

MISSISSIPPI

<u>Keesler</u>	7801	2,277	1962	1	2	70	73	70	0
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Narrative: Replace badly deteriorated, leaking roof to include removing existing roof structure, replacing deteriorated structural members, decking, underlayment, and shingles, and rebuilding roof structure over the rear portion of the house, changing slope and orientation to correct drainage problems.

NORTH CAROLINA

<u>Pope</u>	218	3,192	1933	5	3	69	77	69	61
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Narrative: Replace deteriorated asphalt shingle roof on this historic unit with clay tile roof to return the home to its historic appearance. Remove lead based paint from interior and exterior doors; repaint doors. Refinish doors to meet historic criteria.

TEXAS

<u>Randolph</u>	300	4,442	1931	1	4	105	110	105	0
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Narrative: Replace original 65 year-old clay tile roof to include removing existing roof structure, replacing deteriorated structural members, decking, underlayment, and tiles; repair portions of existing built-up roof area, gutters, and downspouts.

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<u>Location</u>	<u>Qtrs</u> <u>ID</u>	<u>Size</u> <u>NSF</u>	<u>Year</u> <u>Built</u>	<u>Oper</u> <u>Total</u> <u>(\$000)</u>	<u>Util</u> <u>Total</u> <u>(\$000)</u>	<u>Maint</u> <u>Total</u> <u>(\$000)</u>	<u>Total</u> <u>O&M</u> <u>(\$000)</u>	<u>Unit</u> <u>Maint</u> <u>Limit</u> <u>(\$000)</u>	<u>Improvements</u> <u>Non-Routine</u> <u>FY1994-1998</u> <u>(\$000)</u>
<u>VIRGINIA</u>									
<u>Langley</u>	414	3,021	1934	21	4	\$180	\$205	\$180	0
	415	3,021	1934	21	4	\$180	\$205	\$180	0
	419	3,968	1934	21		\$180	\$205	\$180	
	429A	2,787	1931	21	4	\$180	\$205	\$180	0
	429B	2,787	1931	21	4	\$180	\$205	\$180	0
						\$900			

Narrative: Replace slate roofs; repair damaged wood exteriors; repoint brick veneer; repair and seal walls to protect against infiltration on five units located in a harsh marine environment. Replace as required single-pane wood frame windows that were installed at construction with energy efficient double-pane windows meeting the National Historic Preservation Act and environmental requirements. Units are eligible for Historic Register listing.

WASHINGTON DC

<u>Bolling</u>	75-89	1,794	1975	150	30	600	780	43	0
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Narrative: Replace deteriorated, leaking windows with energy-conserving windows. Repair water damaged interior walls and surfaces, insulation, wiring, and trim. Replace facade siding.

WYOMING

<u>Warren</u>	92	5,328	1910	8	4	68	80	68	0
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Narrative: Replace roof tiles, felt and wood decking on historic unit. Repair/replace deteriorating antique wooden entrance columns. Repair heating system and replace boiler. Paint exterior wood trim and porch.

OVERSEAS

HAWAII

<u>Hickam</u>	517	3,241	1939	4	6	70	80	70	49
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Narrative: Replace deteriorated original single-pane windows with new energy efficient, sound suppressing wood windows in a historic quarters, taking care to match architectural features required by preservation regulations. Abate lead paint on original window frames. Patch and paint wall surfaces as necessary.

UNITED KINGDOM

<u>Mildenhall</u>	257	2,789	1933	6	4	87	97	87	26
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Narrative: Provide major maintenance and repair to correct deterioration resulting from age and heavy use. House has received piecemeal projects to repair kitchens and bathrooms, but has had no major repairs since it was built. Heating system is severely deteriorated and requires repairs. Project provides general interior and exterior maintenance as well as repairing electrical and plumbing systems. Project includes

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<u>Location</u>	<u>Qtrs</u> <u>ID</u>	<u>Size</u> <u>NSF</u>	<u>Year</u> <u>Built</u>	<u>Oper</u> <u>Total</u> <u>(\$000)</u>	<u>Util</u> <u>Total</u> <u>(\$000)</u>	<u>Maint</u> <u>Total</u> <u>(\$000)</u>	<u>Total</u> <u>O&M</u> <u>(\$000)</u>	<u>Unit</u> <u>Maint</u> <u>Limit</u> <u>(\$000)</u>	<u>Improvements</u> <u>Non-Routine</u> <u>FY1994-1998</u> <u>(\$000)</u>
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repairs to kitchen and master bathroom floors and plumbing, repairs to two small bathrooms, interior and exterior wall surfaces, patio, and entry areas.

The following projects were submitted or notified as above-threshold for 1997:

Travis AFB, California

Narrative: Maintenance and repair on one GOQ totaled \$34,095 due to lack of program oversight. AMC administered training and disciplinary action to prevent recurrence.

Peterson AFB, Colorado

Narrative: Make-ready costs to assure handicapped access for one GOQ forced the unit above-threshold to \$25,985.

MacDill AFB, Florida

Narrative: Change of occupancy work on a deteriorated historic GOQ forced the unit above-threshold to \$70,045. Project included in Air Force's out-of-cycle submission.

Offutt AFB, Nebraska

Narrative: Repairs due to high radon levels forced a GOQ above-threshold to \$27,100. Project included in Air Force's out-of-cycle submission.

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RECONCILIATION OF INCREASES AND DECREASES
Exhibit OP-5

Reimbursement. Includes collections received from rental of Air Force family housing to foreign nationals, civilians and others. Included in the estimate is the anticipated reimbursements due to members who separate voluntarily that are authorized to live in government quarters for up to six months after separation.

(\$ in Thousands)

1.	FY 1998 President's Budget (Amended):	\$9,198
2.	Congressional Adjustments:	None
3.	FY 1998 Appropriated Amount:	\$9,198
4.	Proposed Supplementals:	None
5.	Price Growth:	None
6.	Functional Program Transfers:	None
7.	Program Decreases:	None
8.	FY 1998 Current Estimate:	\$9,198
9.	Price Growth: Inflation	\$138
10.	Functional Program Transfers:	None
11.	Program Increases: Inventory increase (175 units);	\$64
12.	Program Decreases:	None
13.	FY 1999 Budget Request:	\$9,400

Analysis of Changes in Reimbursements

The FY 1999 Budget Request differs from the FY 1998 Appropriated Amount due to a small increase in inventory and higher trailer park fees.

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LEASING

Program (\$ in Thousands)

FY 1999 Program \$118,072

FY 1998 Program \$118,171

Purpose and Scope

Provides leasing of privately-owned housing for assignment as government quarters at both domestic and foreign locations when the local economy and on-base housing cannot satisfy requirements. The leasing program is authorized by 10 U.S.C. 2828 and provides for payment of rent, operations, and maintenance costs of privately-owned quarters for assignment as government quarters to military families. This program also includes funds needed to pay for services such as utilities and refuse collection when these services are not part of the contract agreement.

The Air Force continues to rely on the private sector to meet the majority of housing needs. Where the private sector rental markets and on-base housing cannot meet requirements and cost effective alternatives do not exist, short and long-term leases are used. The Air Force must use the leasing program in high cost areas and overseas to obtain adequate housing to meet critical needs.

Program Summary - Highlights

Authorization is requested for appropriation of \$118,071,000 to fund leases and related expenses in FY 1999. FY 1999 request for family housing leasing points is summarized as follows:

- (1) 9,201 Foreign lease points
- (2) 5,800 Section 801 lease points
- (3) 3,333 Domestic lease points

Foreign Leasing

Leasing in foreign countries is controlled by Congress. First by the number of lease points authorized, then by the review and approval of contract proposals, and finally by the funds appropriated. As overseas bases close, foreign leases are terminated as soon as economically possible. Air Force strategy during the drawdown in overseas areas is to maximize the use of government-controlled assets, thereby providing more affordable housing for our personnel and avoiding expensive off-base housing entitlements. The Air Force has been able to retain some housing areas from closing bases for use by families at nearby bases that are remaining. In fact, the percentage of

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personnel able to reside in government-controlled quarters has increased. As the Air Force has drawn down in Europe, the order of the release of housing assets has been, where possible, (1) private rentals (which are usually the most expensive), (2) Government Rental Housing Program and build-to-lease units, and (3) government owned. The exact mix of types of housing has depended upon available assets in each locality. Where possible the Air Force has made renewals of leases on a year-to-year basis to reduce costs by limiting termination liability. Full authorization is required to allow for sufficient flexibility during mission realignments to maximize cost effective solutions.

Section 801 Leasing

This program is helping to reduce our CONUS family housing deficit at bases where Air Force families are seriously affected by housing shortages and high housing costs.

In FY 1984, Congress authorized the testing of a new leasing program for U.S. installations in P.L. 98-115, Section 801. Subsequently, nine housing communities were constructed:

Eielson AFB, AK, 300 units and 366 units
Hanscom AFB, MA, 163 units
Goodfellow AFB, TX, 200 units
March AFB, CA, 200 units (base closed in FY 1996)
Summerfield Housing, MD 1242 units (828 Air Force funded,
414 Navy funded)
Travis AFB, CA 300 units
Ellsworth AFB, SD, 200 units and 828 units
Hurlburt AFB, FL, 300 units
Cannon AFB, NM, 350 units

Domestic Leasing

Domestic leasing provides temporary housing for Air Force families pending availability of permanent housing. For example, Domestic leasing near Shaw AFB and Moody AFB provided interim relief for military families after a hurricane destroyed Homestead AFB. Missions moved temporarily and families were in need of shelter. Also, affordable housing in high cost locations for recruiters is giving vital support. Congress has authorized leasing of domestic units (10 U.S.C. 2828) on a temporary basis to satisfy critical requirements until a permanent solution can be found or if more economical than construction.

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RECONCILIATION OF INCREASES AND DECREASES

EXHIBIT OP-5

Leasing

1.	FY 1998 President's Budget (Amended):	\$116,716
2.	Congressional Adjustments:	None
3.	FY 1998 Appropriated Amount:	\$116,716
4.	Supplementals:	None
5.	Price Growth:	None
6.	Functional Program Transfers:	None
7.	Program Increases: Extended termination date of March AFB lease; increased requirements for Singapore, Eielson, Aviano, ROTC/Recruiters, Los Angeles, and Summerfield leases	\$1,455
8.	Program Decreases:	None
9.	FY 1998 Current Estimate:	\$118,171
10.	Price Growth:	
	a. Inflation	\$1,773
	b. Foreign Currency Fluctuation Rate Adjustment	\$-2,895
11.	Functional Program Transfer:	None
12.	Program Increases: Aviano/Lakenheath(810 units)	\$1,023
13.	Program Decreases:	None
14.	FY 1999 Budget Request:	\$118,071

Analysis of Change in Leasing

The attached leasing charts reflect changes to the program by locations and type of lease. These requirements are a direct result of changes to mission beddowns and other housing needs.

**ANALYSIS OF LEASED UNITS (Other than Section 801)
FY 1999**

LOCATION	FY 97			FY 98			FY 99		
	# UNITS	LEASE MONTHS	COST (\$000)	# UNITS	LEASE MONTHS	COST (\$000)	# UNITS	LEASE MONTHS	COST (\$000)
DOMESTIC LEASES									
Los Angeles, CA	35	420	\$469	35	420	\$469	35	420	\$469
Los Angeles, CA (Det 4)	4	48	\$54	4	48	\$54	4	48	\$54
Los Angeles, CA (AFRTS)	20	240	\$268	20	240	\$268	20	240	\$268
Los Angeles, CA (DFAS)	0	0	\$0	40	480	\$536	40	480	\$536
Pinedale, WY	7	84	\$81	7	84	\$83	7	84	\$84
Yakima, WA	5	60	\$60	7	84	\$84	7	84	\$84
Shaw AFB, SC	5	40	\$44	0	0	\$0	0	0	\$0
Recruiter/R.O.T.C.	153	1,836	\$1,744	183	2,084	\$2,203	216	2,592	\$2,770
Unassigned	3,104	0	\$0	3,037	0	\$0	3,004	0	\$0
TOTAL DOMESTIC LEASES	3,333	2,728	\$2,719	3,333	3,440	\$3,697	3,333	3,948	\$4,265
FOREIGN LEASES									
Aman, Jordan	3	36	\$59	3	36	\$60	3	36	\$60
Cairo, Egypt	3	36	\$46	3	36	\$47	3	36	\$47
Nairobi, Kenya	1	12	\$25	1	12	\$25	1	12	\$25
Asmara, Eritea	1	12	\$23	1	12	\$24	1	12	\$24
Bangkok, Thailand	7	84	\$152	7	84	\$152	7	84	\$152
Classified Location	3	36	\$110	3	36	\$110	3	36	\$110
Osan, Korea	276	3,312	\$4,080	276	3,312	\$3,940	276	3,312	\$2,537
Sembawang, Singapore	117	1,404	\$4,890	117	1,404	\$4,982	120	1,440	\$4,476
Alconbury, UK	250	3,000	\$2,741	120	1,440	\$1,269	120	1,440	\$1,278
Ankara, Turkey	32	384	\$426	32	384	\$436	32	384	\$441
Aviano, Italy	500	6,000	\$5,651	975	11,700	\$11,240	915	10,980	\$10,385
Bentwaters, UK	293	3,516	\$4,115	293	3,516	\$4,138	293	3,516	\$4,175
Comiso, Italy	460	5,520	\$4,796	0	0	\$0	0	0	\$0
Geilenkirchen, Germany	1	12	\$21	1	12	\$21	1	12	\$20
Incirlik, Turkey	67	804	\$1,158	25	297	\$435	0	0	\$0
Izmir, Turkey	8	96	\$233	8	96	\$233	8	96	\$233
Kalkar, Germany	27	324	\$619	27	324	\$630	26	312	\$578
Lakenheath, UK	1,030	12,360	\$11,655	1,367	16,404	\$16,020	1,567	18,804	\$18,497
Stavanger, Norway	1	12	\$99	1	12	\$99	1	12	\$95
Paris, France	9	108	\$348	9	108	\$354	9	108	\$347
Ramstein, Germany	105	1,260	\$2,076	36	432	\$750	36	432	\$720
San Vito, Italy	150	1,800	\$2,544	150	1,800	\$2,570	150	1,800	\$2,503
Spangdahlem, Germany	500	6,000	\$7,346	500	6,000	\$7,578	500	6,000	\$7,268
Vienna, Austria	0	0	\$0	1	12	\$65	1	12	\$65
Upper Heyford, UK	50	600	\$895	50	600	\$906	50	600	\$909
Ascension Island	1	12	\$18	1	12	\$18	1	12	\$18
Copenhagen, Denmark	4	48	\$105	4	48	\$106	4	48	\$103
Mahe, Seychelles Island	2	24	\$40	0	0	\$0	0	0	\$0
Unassigned	5,300	N/A		5,190	N/A		5,073	N/A	
Estimated Termination Costs									
Comiso Termination			\$1,236			\$0			\$0
Incirlik Termination			\$160			\$0			\$0
Ramstein (Partial) Termination			\$434			\$0			\$0
TOTAL FOREIGN LEASES	9,201	46,813	\$56,101	9,201	48,129	\$56,208	9,201	49,536	\$55,066
GRAND TOTAL FH-4	12,534	49,541	\$58,820	12,534	51,569	\$59,905	12,534	53,484	\$59,331

DD Form 2458-2, JUN 86

Exhibit FH-4

**ANALYSIS OF HIGH COST LEASED UNITS
(Other than Section 801)
FY 1999**

LOCATION	FY 1999 TOTAL LEASES Per Country	FY97			FY98			FY99		
		HIGH COST UNITS	HIGH COST Defined	EST COST	HIGH COST UNITS	HIGH COST Defined	EST COST	HIGH COST UNITS	HIGH COST Defined	EST COST
DOMESTIC LEASES										
Los Angeles, CA		35	\$12,000	\$469,000	35	\$12,000	\$469,000	35	\$12,000	\$469,000
Los Angeles, CA (Det 4)		4	to	\$54,000	4	to	\$54,000	4	to	\$54,000
Los Angeles, CA (AFRTS)		20	\$14,000	\$268,000	20	\$14,000	\$268,000	20	\$14,000	\$268,000
Los Angeles, CA (DFAS)		0		\$0	40		\$536,000	40		\$536,000
Recruiter/ROTC		27	Special	\$348,000	40	Special	\$589,000	57	Special	\$815,000
Sub-Total Domestic	156	86		\$1,139,000	139		\$1,916,000	156		\$2,142,000
FOREIGN LEASES										
*Izmir, Turkey - Unit 1321		1	\$248	\$35,500	1	\$248	\$35,500	1	\$248	\$35,500
*Izmir, Turkey - Unit 762		1	\$248	\$47,800	1	\$248	\$47,800	1	\$248	\$47,800
*Izmir, Turkey - Unit 805		1	\$248	\$53,300	1	\$248	\$53,300	1	\$248	\$53,300
*Izmir, Turkey - Unit 1488		1	\$248	\$16,800	1	\$248	\$16,800	1	\$248	\$16,800
*Izmir, Turkey - Unit 1489		1	\$248	\$16,400	1	\$248	\$16,400	1	\$248	\$16,400
*Izmir, Turkey - Unit 1490		1	\$248	\$24,300	1	\$248	\$24,300	1	\$248	\$24,300
*Izmir, Turkey - Unit 1506		1	\$248	\$20,700	1	\$248	\$20,700	1	\$248	\$20,700
*Izmir, Turkey - Unit 1522		1	\$248	\$18,200	1	\$248	\$18,200	1	\$248	\$18,200
Total Turkey		8		233,000	8		233,000	8		233,000
*Stavanger, Norway	1	1	\$23,500	\$99,000	1	\$23,500	\$99,000	1	\$22,600	\$95,000
*Sembawang, Singapore	117	117	\$2,418,382	\$4,890,000	117	\$2,418,382	\$4,982,000	117	\$2,417,868	\$4,476,000
*Aviano, Italy	1	1	\$22,349	\$26,100	1	\$22,349	\$26,918	1	\$21,558	\$23,571
**Paris, France	9	N/A	N/A	\$348,000	N/A	N/A	\$354,000	N/A	N/A	\$347,000
**Copenhagen, Denmark	4	N/A	N/A	\$105,000	N/A	N/A	\$106,000	N/A	N/A	\$103,000
**Aman, Jordan	3	N/A	N/A	\$59,000	N/A	N/A	\$60,000	N/A	N/A	\$60,000
**Asmara, Eritea	1	N/A	N/A	\$23,000	N/A	N/A	\$24,000	N/A	N/A	\$24,000
**Cairo, Egypt	3	N/A	N/A	\$46,000	N/A	N/A	\$47,000	N/A	N/A	\$47,000
**Nairobi, Kenya	1	N/A	N/A	\$25,000	N/A	N/A	\$25,000	N/A	N/A	\$25,000
**Bangkok, Thailand	7	N/A	N/A	\$152,000	N/A	N/A	\$152,000	N/A	N/A	\$152,000
**Classified Location	3	N/A	N/A	\$110,000	N/A	N/A	\$110,000	N/A	N/A	\$110,000
Sub-Total Foreign		135		\$6,349,100	135		\$6,451,918	135		\$5,928,571
GRAND TOTAL FH-4A		221	N/A	\$7,488,100	274	N/A	\$8,367,918	291	N/A	\$8,070,571

Exhibit FH-4A

HIGH COST domestic leases range between \$12k and \$14k per year.

* Adjusted cost cap for overseas leases is determined by multiplying \$20k times the FY 88 exchange rate divided by the FY 99 exchange rate. Leases exceeding this cap are defined as HIGH COST and are part of the number of high cost leases allowed.

** State Department pool leases do not count against the total number of high cost leases allowed.

FAMILY HOUSING, DEPARTMENT OF THE AIR FORCE
SECTION 801 FAMILY HOUSING SUMMARY
(Dollars In Thousands)

FY 1999

LOCATION	NO. OF UNITS	DATE OF AWARD	DATE OF FULL OCCUP	FY97 COSTS	FY98 UNITS	FY98 COSTS	FY99 UNITS	FY99 COSTS
Hanscom AFB, MA	163	SEP 85	OCT 87	\$2,889	163	\$2,937	163	\$2,967
Goodfellow AFB, TX	200	SEP 86	JAN 88	\$1,905	200	\$1,935	200	\$1,980
Andrews AFB, MD	828	AUG 91	OCT 95	\$10,301	828	\$12,338	828	\$12,465
Hurlburt AFB, FL	300	JAN 91	MAY 92	\$3,420	300	\$3,501	300	\$3,552
March AFB, CA	200	NOV 87	NOV 88	\$61	0	\$0	0	\$0
Travis AFB, CA	300	SEP 89	AUG 91	\$3,865	300	\$3,920	300	\$3,945
Eielson AFB, AK	300	JAN 85	JULY 86	\$5,585	300	\$5,699	300	\$5,736
Eielson AFB, AK	366	SEP 91	DEC 95	\$9,871	366	\$9,907	366	\$9,958
Ellsworth AFB, SD	828	AUG 89	JUN 91	\$11,273	828	\$11,347	828	\$11,402
Ellsworth AFB, SD	200	JUN 89	JULY 90	\$2,688	200	\$2,739	200	\$2,756
Cannon AFB, NM	350	JUN 91	AUG 93	\$3,901	343	\$3,943	343	\$3,980
ANNUAL REQUIREMENT	4,035	N/A	N/A	\$55,759	3,828	\$58,266	3,828	\$58,741
Unused Lease Points	1,765			\$0	1,972		1,972	\$0
GRAND TOTAL FH-4B	5,800	N/A	N/A	\$55,759	5,800	\$58,266	5,800	\$58,741

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 1999 BUDGET REQUEST

FY 1999 DEBT PAYMENT

Program (in Thousands)
FY 1999 Program \$32
FY 1998 Program \$31

Purpose and Scope

The Debt Payment program continues in name only, as the last of the Capehart and Wherry mortgages were liquidated in FY 1989. This program includes payment of Servicemen's Mortgage Insurance Premiums to FHA for mortgages assumed by active military personnel prior to FY 1980.

Program Summary - Highlights

Request authorization for the appropriation of \$32,000 for FY 1999. No additional budget authority is required for mortgages as noted above.

Servicemen's Mortgage Insurance Premiums

Servicemen's Mortgage Insurance Premiums, Section 124, Public Law 560, 83rd Congress, The Housing Act of 1954, aids in providing homes for members of the Armed Forces of the United States and their families through a system of FHA mortgage insurance, specially designed to assist such members in financing the construction or purchase of homes.

This program was discontinued through Public Law 93-130 (Military Construction Appropriation Act, 1980) which allowed coverage only on existing mortgages covered prior to FY 1980. The amount needed to continue funding premiums on mortgages existing prior to FY 1980 continues to slowly decrease, adjusted for inflation. The program for FY 1999 is as follows:

<u>Fiscal Year</u>	<u>Number</u>	<u>Average Payment/Yr</u>	<u>Amount(\$000)</u>
1999	165	\$182	\$32

FOREIGN CURRENCY EXCHANGE DATA
 FY 1999 President Budget Submission
Military Family Housing O&M
 (\$ in Thousands)

Country	FY 1997		FY 1998		FY 1999	
	U.S. \$ Requiring <u>Conversion</u>	Approved Execution <u>Rates</u>	U.S. \$ Requiring <u>Conversion</u>	Approved Execution <u>Rates</u>	U.S. \$ Requiring <u>Conversion</u>	Approved Execution <u>Rates</u>
Denmark	\$69	5.610	\$92	6.868	\$103	6.796
France	\$90	4.950	N/A	6.076	\$118	5.986
Germany	\$96,867	1.450	\$60,253	1.807	\$57,541	1.789
Italy	\$21,573	1,582.030	\$11,824	1,759.000	\$12,962	1,752.000
Japan	\$83,439	105.850	\$72,667	121.170	\$53,318	130.450
Norway	\$92	6.400	\$91	7.418	\$147	7.243
Portugal	\$6,297	150.790	\$1,036	183.250	\$1,097	182.580
Singapore	\$0	1.430	\$4,625	1.503	\$4,003	1.614
South Korea	\$4,731	787.090	\$4,422	907.600	\$2,839	1,342.400
Spain	\$475	122.390	\$106	152.330	\$101	151.000
United Kingdom	\$42,101	0.650	\$40,317	0.632	\$33,796	0.619
	\$255,734		\$195,432		\$166,025	