



Department of the Air Force

Military Construction and Family Housing Program

**Fiscal Year (FY) 2001
Budget Estimates**

**Justification Data Submitted to Congress
February 2000**

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Department of the Air Force
Military Construction and Military Family Housing
Program Summary
Fiscal Year 2001

	Appropriation Request <u>(\$000s)</u> (Sec-c 2301)	Authorization Request <u>(\$000s)</u> (Sec 2304)
Military Construction		
Inside the United States	419,007	419,007
Outside the United States	47,875	47,875
Planning and Design (10 USC 2807)	54,237	-
Unspecified Minor Construction (10 USC 2805)	9,850	-
Total Military Construction	\$ 530,969	\$ 466,882
 Military Family Housing	 (Sec 2302/2303)	 (Sec 2304)
New Construction	36,677	36,677
Improvements	174,046	174,046
Planning and Design	12,760	12,760
 Subtotal	 \$ 223,483	 \$ 223,483
 Operations, Utilities and Maintenance	 711,609	 711,609
Leasing	114,628	114,628
Debt Payment	34	34
Subtotal	\$ 826,271	\$ 826,271
 Total Military Family Housing	 1,049,754	 1,049,754
 Grand Total Air Force	 \$ 1,580,723	 \$ 1,516,636

Military Construction

State Summary

DEPARTMENT OF THE AIR FORCE
STATE SUMMARY
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2001
(DOLLARS IN THOUSANDS)

STATE/COUNTRY	TITLE	APPROP REQUEST	AUTH REQUEST	PAGE
INSTALLATION				
INSIDE THE U.S.				
ALABAMA				
MAXWELL AFB	OTS ACADEMIC FACILITY	3,825	3,825	32
	<u>MAXWELL AFB Total</u>	<u>3,825</u>	<u>3,825</u>	
	<u>ALABAMA Total</u>	<u>3,825</u>	<u>3,825</u>	
ALASKA				
CAPE ROMANZOF	GENERATOR FUEL STORAGE	3,900	3,900	36
	<u>CAPE ROMANZOF Total</u>	<u>3,900</u>	<u>3,900</u>	
EIELSON AFB	DORMITORY (120 Rooms)	14,540	14,540	40
	HAZARDOUS MATERIAL STORAGE	1,450	1,450	44
	<u>EIELSON AFB Total</u>	<u>15,990</u>	<u>15,990</u>	
ELMENDORF AFB	DORMITORY (144 Rooms)	15,920	15,920	47
	UPGRADE HANGAR COMPLEX	11,600	11,600	51
	<u>ELMENDORF AFB Total</u>	<u>27,520</u>	<u>27,520</u>	
	<u>ALASKA Total</u>	<u>47,414</u>	<u>47,414</u>	
ARIZONA				
DAVIS-MONTHAN AFB	FITNESS CENTER	7,900	7,900	55
	<u>DAVIS-MONTHAN AFB Total</u>	<u>7,900</u>	<u>7,900</u>	
	<u>ARIZONA Total</u>	<u>7,900</u>	<u>7,900</u>	
ARKANSAS				
LITTLE ROCK AFB	C- 130 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT	7,960	7,960	59
	FITNESS CENTER	9,100	9,100	62
	<u>LITTLE ROCK AFB Total</u>	<u>17,060</u>	<u>17,060</u>	
	<u>ARKANSAS Total</u>	<u>17,060</u>	<u>17,060</u>	

DEPARTMENT OF THE AIR FORCE
STATE SUMMARY
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2001
(DOLLARS IN THOUSANDS)

STATE/COUNTRY	TITLE	APPROP REQUEST	AUTH REQUEST	PAGE
INSTALLATION				
CALIFORNIA				
BEALE AFB	WATER TREATMENT PLANT & DISTRIBUTION LINE	3,800	3,800	66
	<u>BEALE AFB Total</u>	<u>3,800</u>	<u>3,800</u>	
LOS ANGELES AFB	FITNESS CENTER	6,580	6,580	70
	<u>LOS ANGELES AFB Total</u>	<u>6,580</u>	<u>6,580</u>	
VANDENBERG AFB	UPGRADE WATER DISTRIBUTION SYSTEM	4,650	4,650	74
	<u>VANDENBERG AFB Total</u>	<u>4,650</u>	<u>4,650</u>	
	<u>CALIFORNIA Total</u>	<u>15,034</u>	<u>15,030</u>	
COLORADO				
BUCKLEY ANGB	SPACE BASED INFRARED SYSTEM (SBIRS) POWER CONNECTION	2,750	2,750	70
	<u>BUCKLEY ANGB Total</u>	<u>2,750</u>	<u>2,750</u>	
PETERSON AFB	DORMITORY (144 Rooms)	11,000	11,000	82
	OPERATIONS SUPPORT FACILITY	2,260	2,260	86
	<u>PETERSON AFB Total</u>	<u>13,260</u>	<u>13,260</u>	
SCHRIEVER AFB	ADD TO OPERATIONAL SUPPORT FACILIN	8,450	8,450	90
	<u>SCHRIEVER AFB Total</u>	<u>8,450</u>	<u>8,450</u>	
USAF ACADEMY	ADD TO ATHLETIC FACILIN	18,960	18,960	94
	<u>USAF ACADEMY Total</u>	<u>18,960</u>	<u>18,960</u>	
	<u>COLORADO Total</u>	<u>43,420</u>	<u>43,420</u>	

**DEPARTMENT OF THE AIR FORCE
STATE SUMMARY
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2001
(DOLLARS IN THOUSANDS)**

STATE/COUNTRY INSTALLATION	TITLE	APPROP REQUEST	AUTH REQUEST	PAGE
DISTRICT OF COLUMBIA				
BOLLING AFB	CHILD DEVELOPMENT CENTER	4,520	4,520	98
	<u>BOLLING AFB Total</u>	<u>4,520</u>	<u>4,520</u>	
	<u>DISTRICT OF COLUMBIA Total</u>	<u>4,520</u>	<u>4,520</u>	
FLORIDA				
EGLIN AFB	PRECISION GUIDED MUNITIONS MAINTENANCE FACILITY	3,340	3,340	102
	UPGRADE DORMITORY (72 Rooms)	5,600	5,600	106
	<u>EGLIN AFB Total</u>	<u>8,940</u>	<u>8,940</u>	
EGLIN AUX 9	DEFENSE ACCESS ROADS	2,360	0	110
	UPGRADE ACCESS ROADS	5,600	5,600	114
	<u>EGLIN AUX 9 Total</u>	<u>7,960</u>	<u>5,600</u>	
PATRICK AFB	DEFENSE EQUAL OPPORTUNITY MANAGEMENT INSTITUTE (DEOMI) FACILITY	12,970	12,970	118
	<u>PATRICK AFB Total</u>	<u>12,970</u>	<u>12,970</u>	
TYNDALL AFB	F-22 ADD/ALTER MAINTENANCE FACILITY	18,500	18,500	122
	F-22 OPERATIONS FACILITY	6,800	6,800	126
	<u>TYNDALL AFB Total</u>	<u>25,300</u>	<u>25,300</u>	
	<u>FLORIDA Total</u>	<u>55,170</u>	<u>52,810</u>	
GEORGIA				
FORT STEWART	AIR SUPPORT OPERATIONS SQUADRON FACILITY	4,920	4,920	130
	<u>FORT STEWART Total</u>	<u>4,920</u>	<u>4,920</u>	
MOODY AFB	WATER TREATMENT PLANT	2,500	2,500	134
	<u>MOODY AFB Total</u>	<u>2,500</u>	<u>2,500</u>	
	<u>GEORGIA Total</u>	<u>7,420</u>	<u>7,420</u>	

DEPARTMENT OF THE AIR FORCE
STATE SUMMARY
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2001
(DOLLARS IN THOUSANDS)

STATE/COUNTRY	TITLE	APPROP REQUEST	AUTH REQUEST	PAGE
INSTALLATION				
HAWAII				
HICKAM AFB	UPGRADE HANGAR COMPLEX	4,620	4,620	138
	<u>HICKAM AFB Total</u>	<u>4,620</u>	<u>4,620</u>	
	<u>HAWAII Total</u>	<u>4,620</u>	<u>4,620</u>	
IDAHO				
MT HOME AFB	ENHANCED TRAINING RANGE, IDAHO PHASE 3	10,125	10,125	141
	<u>MT HOME AFB Total</u>	<u>10,125</u>	<u>10,125</u>	
	<u>IDAHO Total</u>	<u>10,125</u>	<u>10,125</u>	
ILLINOIS				
SCOTT AFB	MUNITIONS STORAGE/LAND ACQUISITION	3,830	3,830	145
	<u>SCOTT AFB Total</u>	<u>3,830</u>	<u>3,830</u>	
	<u>ILLINOIS Total</u>	<u>3,830</u>	<u>3,830</u>	
LOUISIANA				
BARKSDALE AFB	DORMITORY (96 Rooms)	6,390	6,390	149
	<u>BARKSDALE Total</u>	<u>6,390</u>	<u>6,390</u>	
	<u>LOUISIANA Total</u>	<u>6,390</u>	<u>6,390</u>	
MISSISSIPPI				
KEESLER AFB	TECHNICAL TRAINING FACILITY	15,040	15,040	153
	<u>KEESLER AFB Total</u>	<u>15,040</u>	<u>15,040</u>	
	<u>MISSISSIPPI Total</u>	<u>15,040</u>	<u>15,040</u>	
MISSOURI				
WHITEMAN AFB	B-2 CONVENTIONAL MUNITIONS STORAGE IGLOOS	4,150	4,150	157
	B-2 MUNITIONS ASSEMBLY AREA	7,900	7,900	160
	<u>WHITEMAN AFB Total</u>	<u>12,050</u>	<u>12,050</u>	
	<u>MISSOURI Total</u>	<u>12,050</u>	<u>12,054</u>	

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STATE SUMMARY
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2001
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STATE/COUNTRY	TITLE	APPROP REQUEST	AUTH REQUEST	PAGE
INSTALLATION				
MONTANA				
MALMSTROM AFB	MINUTEMAN III MISSILE SERVICE FACILITY	5,300	5,300	164
	<u>MALMSTROM AFB Total</u>	<u>5,300</u>	<u>5,300</u>	
	<u>MONTANA Total</u>	<u>5,300</u>	<u>5,300</u>	
NEW JERSEY				
MCGUIRE AFB	FITNESS CENTER	9,772	9,772	168
	<u>MCGUIRE AFB Total</u>	<u>9,772</u>	<u>9,772</u>	
	<u>NEW JERSEY Total</u>	<u>9,772</u>	<u>9,772</u>	
NORTH CAROLINA				
POPE AFB	DANGEROUS CARGO PADS	24,570	24,570	172
	<u>POPE AFB Total</u>	<u>24,570</u>	<u>24,570</u>	
	<u>NORTH CAROLINA Total</u>	<u>24,570</u>	<u>24,570</u>	
OHIO				
WRIGHT-PATTERSON AFB	REPLACE WEST RAMP, PHASE I	22,600	22,600	176
	<u>WRIGHT-PATTERSON AFB Total</u>	<u>22,600</u>	<u>22,600</u>	
	<u>OHIO Total</u>	<u>22,600</u>	<u>22,600</u>	
OKLAHOMA				
TINKER AFB	DEPOT CORROSION CONTROL STRIP FACILITY WORKING CAPITAL FUND (WCF)	12,380	12,380	180 264
	DORMITORY (96 Rooms)	5,800	5,800	184
	<u>TINKER Total</u>	<u>18,180</u>	<u>18,180</u>	
	<u>OKLAHOMA Total</u>	<u>18,180</u>	<u>18,180</u>	
SOUTH CAROLINA				
CHARLESTON AFB	C- 17 ADD TO FLIGHT SIMULATOR FACILITY	2,500	2,500	188
	<u>CHARLESTON AFB Total</u>	<u>2,500</u>	<u>2,500</u>	

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STATE SUMMARY
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2001
(DOLLARS IN THOUSANDS)**

STATE/COUNTRY INSTALLATION	TITLE	APPROP REQUEST	AUTH REQUEST	PAGE
SHAW AFB	USCENTAF OPERATIONAL WEATHER SQUADRON FACILITY	2,850	2,850	192
	<u>SHAW AFB Total</u>	<u>2,850</u>	<u>2,850</u>	
	<u>SOUTH CAROLINA Total</u>	<u>5,350</u>	<u>5,350</u>	
TEXAS				
DYESS AFB	REALISTIC BOMBER TRAINING INITIATIVE (RBTI)	12,175	12,175	196
	<u>DYESS AFB Total</u>	<u>12,175</u>	<u>12,175</u>	
LACKLAND AFB	DORMITORY (96 Rooms)	5,500	5,500	200
	<u>LACKLAND AFB Total</u>	<u>5,500</u>	<u>5,500</u>	
	<u>TEXAS Total</u>	<u>17,675</u>	<u>17,675</u>	
UTAH				
HILL AFB	C-130 CORROSION CONTROL FACILITY WORKING CAPITAL FUND (WCF)	16,500	16,500	204 268
	<u>HILL AFB Total</u>	<u>16,504</u>	<u>16,500</u>	
	<u>UTAH Total</u>	<u>16,500</u>	<u>16,504</u>	
VIRGINIA				
LANGLEY AFB	DORMITORY (96 Room)	7,470	7,470	208
	<u>LANGLEY AFB Total</u>	<u>7,470</u>	<u>7,470</u>	
	<u>VIRGINIA Total</u>	<u>7,470</u>	<u>7,470</u>	
WASHINGTON				
MCCHORD AFB	C- 17 ADD/ALTER NOSE DOCKS	3,750	3,750	212
	C- 17 SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT	6,500	6,500	217
	<u>MCCHORD AFB Total</u>	<u>10,250</u>	<u>10,250</u>	
	<u>WASHINGTON Total</u>	<u>10,254</u>	<u>10,250</u>	

DEPARTMENT OF THE AIR FORCE
STATE SUMMARY
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2001
(DOLLARS IN THOUSANDS)

STATE/COUNTRY INSTALLATION	TITLE	APPROP REQUEST	AUTH REQUEST	PAGE
WYOMING				
F E WARREN AFB	COMMAND & CONTROL SUPPORT FACILITY	10,200	10,200	220
	MINUTEMAN III MISSILE SERVICE COMPLEX	15,520	15,520	224
	<u>F E WARREN AFB Total</u>	<u>25,720</u>	<u>25,720</u>	
	<u>WYOMING Total</u>	<u>25,720</u>	<u>25,720</u>	
CLASSIFIED LOCATION	SPECIAL TACTICAL UNIT DETACHMENT FACILITY	1,810	1,810	228
	<u>CLASSIFIED LOCATION Total</u>	<u>1,810</u>	<u>1,810</u>	
	<u>INSIDE THE U.S. Total</u>	<u>419,007</u>	<u>419,007</u>	
OUTSIDE THE U.S.				
INDIAN OCEAN				
DIEGO GARCIA	MUNITIONS STORAGE IGLOOS	5,475	5,475	232
	<u>DIEGO GARCIA Total</u>	<u>5,475</u>	<u>5,475</u>	
	<u>INDIAN OCEAN Total</u>	<u>5,475</u>	<u>5,475</u>	
ITALY				
AVIANO AB	DORMITORY (102 Rooms)	8,000	8,000	235
	<u>AVIANO AB Total</u>	<u>8,000</u>	<u>8,000</u>	
	<u>ITALY Total</u>	<u>8,000</u>	<u>8,000</u>	
KOREA				
KUNSAN AB	UPGRADE WATER DISTRIBUTION SYSTEM	6,400	6,400	239
	<u>KUNSAN AB Total</u>	<u>6,400</u>	<u>6,400</u>	
OSAN AB	DORMITORY (156 Room)	11,348	11,348	243
	UPGRADE WATER DISTRIBUTION SYSTEM	10,600	10,600	247
	<u>OSAN AB Total</u>	<u>21,948</u>	<u>21,948</u>	
	<u>KOREA Total</u>	<u>28,348</u>	<u>28,348</u>	

DEPARTMENT OF THE AIR FORCE
STATE SUMMARY
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2001
(DOLLARS IN THOUSANDS)

STATE/COUNTRY INSTALLATION	TITLE	APPROP REQUEST	AUTH REQUEST	PAGE
SPAIN				
ROTA NAVAL STATION	ENHANCED ROTA, VARIOUS FACILITIES	5,052	5,052	251
	<u>ROTA NAVAL STATION Total</u>	<u>5,052</u>	<u>5,052</u>	
	<u>SPAIN Total</u>	<u>5,052</u>	<u>5,052</u>	
TURKEY				
INCIRLIK AB	FIRE TRAINING FACILITY	1,000	1,000	256
	<u>INCIRLIK AB Total</u>	<u>1,000</u>	<u>1,000</u>	
	<u>TURKEY Total</u>	<u>1,000</u>	<u>1,000</u>	
	<u>OUTSIDE THE U.S. Total</u>	<u>47,875</u>	<u>47,875</u>	
WORLDWIDE				
VARIOUS LOCATIONS	UNSPECIFIED MINOR CONSTRUCTION	9,850	0	260
	PLANNING AND DESIGN	54,237	0	262
	<u>VARIOUS LOCATIONS Total</u>	<u>64,087</u>	<u>0</u>	
	<u>WORLDWIDE Total</u>	<u>64,087</u>	<u>0</u>	
	<u>FY2001 Total</u>	<u>530,969</u>	<u>464,522</u>	

New Mission/Current Mission

Definitions of New and Current Mission

New Mission Projects--New mission projects all support new and additional programs or initiatives that do not revitalize the existing physical plant. These projects support the deployment and beddown of new weapons systems; new or additional aircraft, missile and space projects; and new equipment, i.e., radar, communication, computer satellite tracking and electronic security. Planning and Design and Unspecified Minor Constructions are also included in this category.

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

	Authorization Request (\$000s) (Sec 2304)	Appropriation Request (\$000s) (Sec 2301)
Military - on		
New Mission	104,362	104,362
Current Mission	362,520	362,520
Planning and Design	-	54,237
Unspecified Minor Construction		9,850
Total Military Construction	\$ 466,882	\$ 530,969

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2001
NEW MISSION, CURRENT MISSION, AND WORLDWIDE
(DOLLARS IN THOUSANDS)

STATE/COUNTRY			APPROP REQUEST	AUTH REQUEST	TYPE
INSTALLATION					
INSIDE THE US					
ALABAMA					
MAXWELL AFB	OTS ACADEMIC FACILITY		3,825	3,825	NM
		<u>MAXWELL AFB Total</u>	<u>3,825</u>	<u>3,825</u>	
		<u>ALABAMA Total</u>	<u>3,825</u>	<u>3,825</u>	
ALASKA					
CAPE ROMANZOF	GENERATOR FUEL STORAGE		3,900	3,900	CM
		<u>CAPE ROMANZOF Total</u>	<u>3,900</u>	<u>3,900</u>	
EIELSON AFB	DORMITORY (120 Rooms)		14,540	14,540	CM
	HAZARDOUS MATERIAL STORAGE		1,450	1,450	CM
		<u>EIELSON AFB Total</u>	<u>15,990</u>	<u>15,990</u>	
ELMENDORF AFB	DORMITORY (144 Rooms)		15,920	15,920	CM
	UPGRADE HANGAR COMPLEX		11,600	11,600	CM
		<u>ELMENDORF AFB Total</u>	<u>27,520</u>	<u>27,520</u>	
		<u>ALASKA Total</u>	<u>47,410</u>	<u>47,410</u>	
ARIZONA					
DAVIS-MONTHAN AFB	FITNESS CENTER		7,900	7,900	CM
		<u>DAVIS-MONTHAN AFB Total</u>	<u>7,900</u>	<u>7,900</u>	
		<u>ARIZONA Total</u>	<u>7,900</u>	<u>7,900</u>	
ARKANSAS					
LITTLE ROCK AFB	C- 130 SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT		7,960	7,960	CM
	FITNESS CENTER		9,100	9,100	CM
		<u>LITTLE ROCK AFB Total</u>	<u>17,060</u>	<u>17,060</u>	
		<u>ARKANSAS Total</u>	<u>17,060</u>	<u>17,060</u>	

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MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2001
NEW MISSION, CURRENT MISSION, AND WORLDWIDE
(DOLLARS IN THOUSANDS)

STATE/COUNTRY			APPROP REQUEST	AUTH REQUEST	TYPE
INSTALLATION					
CALIFORNIA					
BEALE AFB	WATER TREATMENT PLANT & DISTRIBUTION LINE		3,800	3,800	C M
		BEALE AFB Total	3,800	3,800	
LOS ANGELES AFB	FITNESS CENTER		6,580	6,580	C M
		LOS ANGELES AFB Total	6,580	6,580	
VANDENBERG AFB	UPGRADE WATER DISTRIBUTION SYSTEM		4,650	4,650	C M
		VANDENBERG AFB Total	4,650	4,650	
		CALIFORNIA Total	15,030	15,030	
COLORADO					
BUCKLEY ANGB	SPACE BASED INFRARED SYSTEM (SBIRS) POWER		2,750	2,750	NM
		BUCKLEY ANGB Total	2,750	2,750	
PETERSON AFB	DORMITORY (144 Rooms)		11,000	11,000	C M
	OPERATIONS SUPPORT FACILITY		2,260	2,260	C M
		PETERSON AFB Total	13,260	13,260	
SCHRIEVER AFB	ADD TO OPERATIONAL SUPPORT FACILITY		8,450	8,450	C M
		SCHRIEVER AFB Total	8,450	8,450	
USAF ACADEMY	ADD TO ATHLETIC FACILITY		18,960	18,960	C M
		USAF ACADEMY Total	18,960	18,960	
		COLORADO Total	43,424	43,420	
DISTRICT OF COLUMBIA					
BOLLING AFB	CHILD DEVELOPMENT CENTER		4,520	4,520	C M
		BOLLING AFB Total	4,520	4,520	
		DISTRICT OF COLUMBIA Total	4,520	4,520	

**DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2001
NEW MISSION, CURRENT MISSION, AND WORLDWIDE
(DOLLARS IN THOUSANDS)**

STATE/COUNTRY			APPROP REQUEST	AUTH REQUEST	N P E
	INSTALLATION				
FLORIDA					
	EGLIN AFB	PRECISION GUIDED MUNITION MAINTENANCE FACILITY	3,340	3,340	CM
		UPGRADE DORMITORY (72 Rooms)	5,600	5,600	CM
		<u>EGLIN AFB Total</u>	<u>8,940</u>	<u>8,940</u>	
	EGLIN AUX 9	DEFENSE ACCESS ROADS	2,360	0	CM
		UPGRADE ACCESS ROADS	5,600	5,600	CM
		<u>EGLIN AUX 9 Total</u>	<u>7,960</u>	<u>5,600</u>	
	PATRICK AFB	DEFENSE EQUAL OPPORTUNITY MANAGEMENT INSTITUTE (DEOMI) FACILITY	12,970	12,970	CM
		<u>PATRICK AFB Total</u>	<u>12,970</u>	<u>12,970</u>	
	TYNDALL AFB	F-22 ADD/ALTER MAINTENANCE FACILITY	18,500	18,500	NM
		F-22 OPERATIONS FACILITY	6,800	6,800	NM
		<u>TYNDALL AFB Total</u>	<u>25,300</u>	<u>25,300</u>	
		<u>FLORIDA Total</u>	<u>55,170</u>	<u>52,810</u>	
GEORGIA					
	FORT STEWART	AIR SUPPORT OPERATIONS SQUADRON FACILITY	4,920	4,920	CM
		<u>FORT STEWART Total</u>	<u>4,920</u>	<u>4,920</u>	
	MOODY AFB	WATER TREATMENT PLANT	2,500	2,500	CM
		<u>MOODY AFB Total</u>	<u>2,500</u>	<u>2,500</u>	
		<u>GEORGIA Total</u>	<u>7,420</u>	<u>7,420</u>	
HAWAII					
	HICKAM AFB	UPGRADE HANGAR COMPLEX	4,620	4,620	CM
		<u>HICKAM AFB Total</u>	<u>4,620</u>	<u>4,620</u>	
		<u>HAWAII Total</u>	<u>4,620</u>	<u>4,620</u>	

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2001
NEW MISSION, CURRENT MISSION, AND WORLDWIDE
(DOLLARS IN THOUSANDS)

STATE/COUNTRY	INSTALLATION		APPROP REQUEST	AUTH REQUEST	TYPE
IDAHO	MT HOME AFB	ENHANCED TRAINING RANGE, IDAHO PHASE 3	10,125	10,125	NM
		<u>MT HOME AFB Total</u>	<u>10,125</u>	<u>10,125</u>	
		<u>IDAHO Total</u>	<u>10,125</u>	<u>10,125</u>	
ILLINOIS	SCOTT AFB	MUNITIONS STORAGE/LAND ACQUISITION	3,830	3,830	C M
		<u>SCOTT AFB Total</u>	<u>3,830</u>	<u>3,830</u>	
		<u>ILLINOIS Total</u>	<u>3,830</u>	<u>3,830</u>	
LOUISIANA	BARKSDALE AFB	DORMITORY (96 Rooms)	6,390	6,390	C M
		<u>BARKSDALE Total</u>	<u>6,390</u>	<u>6,390</u>	
		<u>LOUISIANA Total</u>	<u>6,390</u>	<u>6,390</u>	
MISSISSIPPI	KEESLER AFB	TECHNICAL TRAINING FACILITY	15,040	15,040	C M
		<u>KEESLER AFB Total</u>	<u>15,040</u>	<u>15,040</u>	
		<u>MISSISSIPPI Total</u>	<u>15,040</u>	<u>15,040</u>	
MISSOURI	WHITEMAN AFB	B-2 CONVENTIONAL MUNITIONS STORAGE IGLOOS	4,150	4,150	NM
		B-2 MUNITIONS ASSEMBLY AREA	7,900	7,900	NM
		<u>WHITEMAN AFB Total</u>	<u>12,050</u>	<u>12,050</u>	
		<u>MISSOURI Total</u>	<u>12,050</u>	<u>12,050</u>	
MONTANA	MALMSTROM AFB	MINUTEMAN III MISSILE SERVICE FACILITY	5,300	5,300	C M
		<u>MALMSTROM AFB Total</u>	<u>5,300</u>	<u>5,300</u>	
		<u>MONTANA Total</u>	<u>5,300</u>	<u>5,300</u>	
NEW JERSEY	MCGUIRE AFB	FITNESS CENTER	9,772	9,772	CM
		<u>MCGUIRE AFB Total</u>	<u>9,772</u>	<u>9,772</u>	
		<u>NEW JERSEY Total</u>	<u>9,772</u>	<u>9,772</u>	

**DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2001
NEW MISSION, CURRENT MISSION, AND WORLDWIDE
(DOLLARS IN THOUSANDS)**

STATE/COUNTRY	INSTALLATION		APPROP REQUEST	AUTH REQUEST	TYPE
NORTH CAROLINA					
	POPE AFB	DANGEROUS CARGO PADS	24,570	24,570	CM
		<u>POPE AFB Total</u>	<u>24,570</u>	<u>24,570</u>	
		<u>NORTH CAROLINA Total</u>	<u>24,570</u>	<u>24,570</u>	
OHIO					
	WRIGHT- PATTERSON AFB	REPLACE WEST RAMP, PHASE I	22,600	22,600	CM
		<u>WRIGHT-PATTERSON AFB Total</u>	<u>22,600</u>	<u>22,600</u>	
		<u>OHIO Total</u>	<u>22,600</u>	<u>22,600</u>	
OKLAHOMA					
	TINKER AFB	DEPOT CORROSION CONTROL STRIP FACILITY WORKING CAPITAL FUND (WCF)	12,380	12,380	CM
		DORMITORY (96 Rooms)	5,800	5,800	CM
		<u>TINKER Total</u>	<u>18,180</u>	<u>18,180</u>	
		<u>OKLAHOMA Total</u>	<u>18,180</u>	<u>18,180</u>	
SOUTH CAROLINA					
	CHARLESTON AFB	C- 17 ADD TO FLIGHT SIMULATOR FACILITY	2,500	2,500	NM
		<u>CHARLESTON AFB Total</u>	<u>2,500</u>	<u>2,500</u>	
	SHAW AFB	USCENTAF OPERATIONS WEATHER SQUADRON FACILITY	2,850	2,850	NM
		<u>SHAW AFB Total</u>	<u>2,850</u>	<u>2,850</u>	
		<u>SOUTH CAROLINA Total</u>	<u>5,350</u>	<u>5,350</u>	
TEXAS					
	DYESS AFB	REALISTIC BOMBER TRAINING INITIATIVE (RBTI)	12,175	12,175	NM
		<u>DYESS AFB Total</u>	<u>12,175</u>	<u>12,175</u>	
	LACKLAND AFB	DORMITORY (96 Rooms)	5,500	5,500	CM
		<u>LACKLAND AFB Total</u>	<u>5,500</u>	<u>5,500</u>	
		<u>TEXAS Total</u>	<u>17,675</u>	<u>17,675</u>	

DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2001
NEW MISSION, CURRENT MISSION, AND WORLDWIDE
(DOLLARS IN THOUSANDS)

STATE/COUNTRY	INSTALLATION		APPROP REQUEST	AUTH REQUEST	TYPE
UTAH	HILL AFB	C-130 CORROSION CONTROL FACILITY WORKING CAPITAL FUND (WCF)	16,500	16,500	CM
		<u>HILL AFB Total</u>	<u>16,500</u>	<u>16,500</u>	
		<u>UTAH Total</u>	<u>16,500</u>	<u>16,500</u>	
VIRGINIA	LANGLEY AFB	DORMITORY (96 Rooms)	7,470	7,470	CM
		<u>LANGLEY AFB Total</u>	<u>7,470</u>	<u>7,470</u>	
		<u>VIRGINIA Total</u>	<u>7,470</u>	<u>7,470</u>	
WASHINGTON	MCCHORD AFB	C- 17 ADD/ALTER NOSE DOCKS	3,750	3,750	NM
		C-17 SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT	6,500	6,500	NM
		<u>MCCHORD AFB Total</u>	<u>10,250</u>	<u>10,250</u>	
		<u>WASHINGTON Total</u>	<u>10,250</u>	<u>10,250</u>	
WYOMING	F E WARREN AFB	COMMAND AND CONTROL SUPPORT FACILITY	10,200	10,200	NM
		MINUTEMAN III MISSILE SERVICE COMPLEX	15,520	15,520	CM
		<u>F.E.WARREN AFB Total</u>	<u>25,720</u>	<u>25,720</u>	
		<u>WYOMING Total</u>	<u>25,720</u>	<u>25,720</u>	
INSIDE THE U.S.	CLASSIFIED LOCATION	SPECIAL TACTICAL UNIT DETACHMENT FACILITY	1,810	1,810	NM
		<u>CLASSIFIED LOCATION Total</u>	<u>1,810</u>	<u>1,810</u>	
		<u>INSIDE THE U.S. Total</u>	<u>419,007</u>	<u>419,007</u>	
OUTSIDE THE U.S.	INDIAN OCEAN				
	DIEGO GARCIA	MUNITIONS STORAGE IGLOOS	5,475	5,475	NM
		<u>DIEGO GARCIA Total</u>	<u>5,475</u>	<u>5,475</u>	

**DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2001
NEW MISSION, CURRENT MISSION, AND WORLDWIDE
(DOLLARS IN THOUSANDS)**

STATE/COUNTRY			APPROP REQUEST	AUTH REQUEST	TYPE
INSTALLATION					
		<u>INDIAN OCEAN Total</u>	<u>5,475</u>	<u>5,475</u>	
ITALY	AVIANO AB	DORMITORY (102 Rooms)	8,000	8,000	CM
		<u>AVIANO AB Total</u>	<u>8,000</u>	<u>8,000</u>	
		<u>ITALY Total</u>	<u>8,000</u>	<u>8,000</u>	
KOREA	KUNSAN AB	UPGRADE WATER DISTRIBUTION SYSTEM	6,400	6,400	CM
		<u>KUNSAN AB Total</u>	<u>6,400</u>	<u>6,400</u>	
	OSAN AB	DORMITORY (156 Rooms)	11,348	11,348	CM
		UPGRADE WATER DISTRIBUTION SYSTEM	10,600	10,600	CM
		<u>OSAN AB Total</u>	<u>21,948</u>	<u>21,948</u>	
		<u>KOREA Total</u>	<u>28,348</u>	<u>28,348</u>	
SPAIN	ROTA NAVAL STATION	ENHANCED ROTA, VARIOUS FACILITIES	5,052	5,052	NM
		<u>ROTA NAVAL STATION Total</u>	<u>5,052</u>	<u>5,052</u>	
		<u>SPAIN Total</u>	<u>5,052</u>	<u>5,052</u>	
TURKEY	INCIRLIK AB	FIRE TRAINING FACILITY	1,000	1,000	CM
		<u>INCIRLIK AB Total</u>	<u>1,000</u>	<u>1,000</u>	
		<u>TURKEY Total</u>	<u>1,000</u>	<u>1,000</u>	
		<u>OUTSIDE THE U.S. Total</u>	<u>47,875</u>	<u>47,875</u>	
WORLDWIDE	VARIOUS LOCATIONS	UNSPECIFIED MINOR CONSTRUCTION	9,850	0	NM
		PLANNING AND DESIGN	54,237	0	NM
		<u>VARIOUS LOCATIONS Total</u>	<u>64,087</u>	Q	
		<u>WORLDWIDE Total</u>	<u>64,087</u>	Q	
		<u>FY200 1 Total</u>	<u>530,969</u>	<u>464,522</u>	

Installation Index

**Military Construction Program
FY 2001 President's Budget
Installation Index**

<u>Installation</u>	<u>Command</u>	<u>State/Country</u>	<u>Page</u>
Aviano AB	USAFE	Italy	235
Beale AFB	ACC	California	66
Bolling AFB	11 WG	District Of Columbia	98
Buckley ANGB	AFSPC	Colorado	78
Cape Romanzof	PACAF	Alaska	36
Classified	Various	Various	228
Davis-Monthan AFB	ACC	Arizona	55
Diego Garcia	PACAF	Indian Ocean	232
Dyess AFB	ACC	Texas	196
Eglin AFB	AFMC	Florida	102
Eglin #9	AFSOC	Florida	110
Eielson AFB	PACAF	Alaska	40
Elmendorf AFB	PACAF	Alaska	47
F E Warren AFB	AFSPC	Wyoming	220
Fort Stewart	ACC	Georgia	130
Hickam AFB	PACAF	Hawaii	138
Hill AFB	AFMC	Utah	204
Incirlik AB	USAFE	Turkey	255
Keesler AFB	AETC	Mississippi	153
Kunsan AB	PACAF	Korea	239
Lackland AFB	AETC	Texas	200
Langley AFB	ACC	Virginia	208
Little Rock AFB	AMC	Arkansas	59
Los Angeles AFB	AFMC	California	70
Maxwell AFB	PACAF	Alabama	32
McChord AFB	AMC	Washington	212
McGuire AFB	AMC	New Jersey	168

**Military Construction Program
FY 2001 President's Budget
Installation Index**

<u>Installation</u>	<u>Command</u>	<u>State/Country</u>	<u>Page</u>
Moody AFB	ACC	Georgia	134
Mountain Home AFB	ACC	Idaho	141
Osan AB	PACAF	Korea	243
Patrick AFB	AFSPC	Florida	118
Peterson AFB	AFSPC	Colorado	82
Pope AFB	AMC	North Carolina	172
Schriever AFB	AFSPC	Colorado	90
Scott AFB	AMC	Illinois	145
Shaw AFB	ACC	South Carolina	192
Tinker AFB	AFMC	Oklahoma	180
Tyndall AFB	AETC	Florida	122
USAF Academy	USAFE	Colorado	94
Vandenberg AFB	AFSPC	California	74
Various Locations	Support	Worldwide	260
Whiteman AFB	ACC	Missouri	157
Wright-Patterson AFB	AFMC	Ohio	176

Special Program Considerations

**Department Of The Air Force
Military Construction Program
Fiscal Year 2001**

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 2001 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 on 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 2001 MILCON request includes \$17.3 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, hazardous material storage facilities, water distribution systems, water treatment facilities, and generator fuel storage tanks.

FY 2001

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 14, 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 2001 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 2001 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, the report requested all troop housing requests 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.

6. Metric Conversion

The FY 1999 House Appropriation Committee Report, 105578, page 11, requested the Department to ensure that any DD Form 1390/1391, which is presented as justification in metric measurement, shall include parenthetically the English measurement. Each DD Form 1391 reflects the metric and English equivalent in block 11.

FY 2001

Non-Milton Funding

Research and Development (RDT&E)	None

FY 2001

Third Party Financing

Test of long-term facilities contracts

None

Appropriation Language

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 \$530,969,000 to remain available until September 30, 2004: Provided that, of this amount, not to exceed \$54,237,000 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.

Inside the United States Construction Projects

1. COMPONENT		FY 2001 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 0.86				
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		917	1564	1537	614	1		1092	46	112	5,883
b. End FY 2005		913	1132	1533	723	1		1092	46	112	5,552
7. INVENTORY DATA (\$000)											
a. Total Acreage: (3,497)											
b. Inventory Total As Of: (30 SEP 99) 7,797,193											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 3,825											
e. Authorization Included In Following Program: (FY 2002) 21,600											
f. Planned In Next Three Program Years: 0											
g. Remaining Deficiency: 65,800											
h. Grand Total: 7,888,418											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY		PROJECT TITLE			SCOPE		COST	DESIGN STATUS			
CODE							(\$000)	START	CMPL		
171-844	OTS ACADEMIC FACILITY				2,700 SM		3,825	MAY 99	SEP 00		
TOTAL:							3,825				
9a. Future Projects: Included in the Following Program (FY 2002)											
171-851	ADD TO AND ALTER SQUADRON				7,870 SM		8,600				
OFFICER SCHOOL (SOS) COLLEGE											
724-417	SOS DORMITORY				162 RM		13,000				
TOTAL:							21,600				
9b. Future Projects: Typical Planned Next Three Years:											
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; an airlift flight 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:										25	
b. Water pollution:										0	
c. Occupational safety and health:										0	
d. Other Environmental:										0	
12. Real Property Maintenance Backlog This Installation 5,500											

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MAXWELL AIR FORCE BASE, ALABAMA			OTS ACADEMIC FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.47.22	171-844	PNQS023134	3,825		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
OTS ACADEMIC FACILITY		SM	2,700	1,122	3,029
SUPPORTING FACILITIES					590
UTILITIES		LS			(225)
PAVEMENTS		LS			(175)
SITE IMPROVEMENTS		LS			(190)
SUBTOTAL					3,619
TOTAL CONTRACT COST					3,619
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					206
TOTAL REQUEST					3,825
TOTAL REQUEST (ROUNDED)					3,825
10. Description of Proposed Construction: A two-story academic facility constructed with reinforced concrete foundation and floor slab, structural steel frame, masonry walls, sloped architecturally compatible roof, fire protection, utilities and necessary support. Building will include 14 seminar instruction rooms, command and academic offices, student processing and support areas. Air Conditioning: 200 KW.					
11. REQUIREMENT: 8,440 SM ADEQUATE: 5,740 SM SUBSTANDARD: 0 PROJECT: Construct an officer training school (OTS) academic facility. (New Mission) REQUIREMENT: This facility is required to conduct officer training in accordance with OTS curriculum and to produce the required number of trained officers. OTS's primary mission is Basic Officer Training (BOT) and Commissioned Officer Training (COT). BOT trains cadet officer candidates for commissions as line officers. The COT program trains newly commissioned lawyers, chaplains, medical professionals and other non-line officers. CURRENT SITUATION: OTS currently utilizes facilities at two locations, separated by over 10 miles, to conduct academic activities. OTS uses a portion of the Squadron Officer School (SOS) academic facility and a portion of the Senior NCO Academy (SNCOA) academic facility at the Gunter Annex. The SOS and SNCOA facilities are not large enough to support the increase in OTS production. A controlled environment is necessary to effectively train OTS cadets. This is achieved by limiting inappropriate external influences that undermine training. OTS students commingle with SOS and SNCOA students and as a result, the controlled environment is					

1. COMPONENT	FY 2001 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	
OTS ACADEMIC FACILITY		PNQS023134	
compromised. Additionally, the loss of key facilities by both SOS and the SNCOA affects their respective curriculum and flexibility to respond to their increasing requirements. <u>IMPACT IF NOT PROVIDED:</u> OTS will not have sufficient academic space resulting in a potential shortfall of qualified Air Force officers. OTS will continue to operate in an inefficient manner, affecting quality of training and the other schools' training mission. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of reasonable options (renovation, leasing, new construction) for accomplishing this project indicates that only new construction will satisfy operational requirements. Because of this, a full economic analysis was not needed or performed. A certificate of exception has been prepared. Base Civil Engineer: Lt Col Wilfred Cassidy, (334) 953-6945. Academic Addition: 2,700SM = 29,052 SF			

1. COMPONENT	FY 2001 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	
OTS ACADEMIC FACILITY	PNQS023134	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data: Design, Bid, Build		
(1) Status:		
(a) Date Design Started		99 MAY 10
(b) Parametric Cost Estimates used to develop costs		Y
* (c) Percent Complete as of Jan 2000		15%
* (d) Date 35% Designed.		99 DEC 30
(e) Date Design Complete		00 SEP 15
(f) Energy Study/Life-Cycle analysis was/will be performed		Y
(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		229
(b) All Other Design Costs		115
(c) Total		344
(d) Contract		287
(e) In-house		57
(3a) Construction Contract Award Date		00 DEC
(4) Construction Start		01 JAN
(5) Construction Completion		02 MAY
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
CAPE ROMANZOF LONG RANGE RADAR SITE, ALASKA				PACIFIC AIR FORCES				COST INDEX 2.42			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99											
b. End FY 2005											
7. INVENTORY DATA (\$000)											
a. Total Acreage: (4,900)											
b. Inventory Total As Of: (30 SEP 99) 1,607,578											
c. Authorization Not Yet In Inventory: 6											
d. Authorization Requested In This Program: 3,900											
e. Authorization Included In Following Program: (FY 2002) 0											
f. Planned In Next Three Program Years: 0											
g. Remaining Deficiency: 672											
h. Grand Total: 1,612,156											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY						COST		DESIGN		STATUS	
CODE	PROJECT TITLE	SCOPE				(\$000)	START	CMPL			
411-134	GENERATOR FUEL STORAGE	1,160 KL				3,900	JAN 99	AUG 00			
TOTAL:						3,900					
9a. Future Projects: Included in the Following Program (FY 2002) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
10. Mission or Major Functions: A remote early warning radar site equipped with an AN/FPS-117 Minimally Attended Radar system.											
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 62											

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION CAPE ROMANZOF LONG-RANGE RADAR SITE, ALASKA			4. PROJECT TITLE GENERATOR FUEL STORAGE		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
2.74.56	411-134	DBWT017002	3,900		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
GENERATOR FUEL STORAGE	LS			2,900	
DIESEL FUEL STORAGE	KL	1,160	2,475	(2,871)	
NEW PIPELINES	LM	244	119	(29)	
SUPPORTING FACILITIES				750	
UTILITIES	LS			(350)	
DEMOLITION/DISPOSAL	LS			(175)	
SITE IMPROVEMENTS	LS			(125)	
SOIL REMEDIATION	LS			(100)	
SUBTOTAL				3,650	
TOTAL CONTRACT COST				3,650	
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				237	
TOTAL REQUEST				3,887	
TOTAL REQUEST (ROUNDED)				3,900	
10. Description of Proposed Construction: Install eight 145KL diesel fuel storage tanks with new double-wall pipes. Clean, dismantle, and remove one 2,275KL storage tank and 244LM of existing pipes. Includes all necessary support.					
11. REQUIREMENT: 1,160 KL ADEQUATE: 0 SUBSTANDARD: 2,275 KL PROJECT: Construct generator fuel storage. (Current Mission) REQUIREMENT: This is a Level I environmental compliance requirement. Adequate storage tanks must have leak detection, cathodic protection, liner, overflow protection, and secondary containment. Total fuel quantity must be adequate for an entire year of operation without resupply. CURRENT SITUATION: Cape Romanzof is a remote radar site and a key part of the North Atlantic Air Defense Command (NORAD) air defense network. All electrical power for the site is produced by diesel generators. Fuel can only be brought in by barge from May to September. The single existing storage tank was constructed in 1952, and does not have leak detection, cathodic protection, liner, nor overflow protection. The tank is beyond its useful life and does not comply with Alaska regulations. Should the single-tank fuel system fail, all power to the site will be lost. IMPACT IF NOT PROVIDED: The Air Force will continue to be exposed to sanctions by state regulators. The potential failure of the single-tank fuel supply system risks a costly resupply by air, or evacuation of the site, with loss of radar coverage. ADDITIONAL: This project meets the scope/criteria of Air Force Handbook 32-1084, "Facility Requirements." All reasonable alternatives were considered in development of this project. Only one option meets the operational and regulatory requirements. Therefore, a full economic					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
CAPE ROMANZOF LONG-RANGE RADAR SITE, ALASKA		
4. PROJECT TITLE	5. PROJECT NUMBER	
GENERATOR FUEL STORAGE	DBWT017002	
analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: Lt Col Lillemon, (907) 552-2217. Diesel Storage: 1160 KL = 306,000 GAL; New Pipelines: 244 LM = 800 LF.		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
CAPE ROMANZOF LONG-RANGE RADAR SITE, ALASKA		
4. PROJECT TITLE	5. PROJECT NUMBER	
GENERATOR FUEL STORAGE	DBWT017002	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data: Design, Bid, Build		
(1) Status:		
(a) Date Design Started	99 JAN 29	
(b) Parametric Cost Estimates used to develop costs	Y	
*(c) Percent Complete as of Jan 2000	15%	
*(d) Date 35% Designed.	99 DEC 30	
(e) Date Design Complete	00 AUG 15	
(f) Energy Study/Life-Cycle analysis was/will be performed	Y	
(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	246	
(b) All Other Design Costs	123	
(c) Total	369	
(d) Contract	332	
(e) In-house	37	
(3a) Construction Contract Award Date	00 DEC	
(4) Construction Start	01 MAY	
(5) Construction Completion	02 AUG	
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 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				1.74			
6. PERSONNEL		PERMANENT		STUDENTS		SUPPORTED					
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		259	2772	656				54	113	574	4,428
b. End FY 2005		261	2809	658				54	113	574	4,469
7. INVENTORY DATA (\$000)											
a. Total Acreage: (19,790)											
b. Inventory Total As Of: (30 SEP 99) 6,302,436											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 15,990											
e. Authorization Included In Following Program: (FY 2002) 5,500											
f. Planned In Next Three Program Years: 75,055											
g. Remaining Deficiency: 280,181											
h. Grand Total: 6,679,162											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START	CMPL		
442-257	HAZARDOUS MATERIAL STORAGE			450 SM		1,450		JAN 99	AUG 00		
721-312	DORMITORY			120 RM		14,540		JAN 99	AUG 00		
TOTAL:						15,990					
9a. Future Projects: Included in the Following Program (FY 2002)											
214-426	HEATED MUNITIONS VEHICLE			1,150 SM		3,000					
	STORAGE FACILITY										
215-582	MUNITIONS SURVEILLANCE AND			488 SM		2,500					
	INSPECTION FACILITY										
TOTAL:						5,500					
9b. Future Projects: Typical Planned Next Three Years:											
141-786	JOINT MOBILITY COMPLEX			4,650 SM		17,184					
721-312	DORMITORY			120 RM		16,100					
721-315	VISITING AIRMAN QUARTERS			300 RM		31,871					
890-185	REPAIR ARCTIC UTILIDORS,			3,698 LM		9,900					
	PHASE 1										
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 training 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										33,497	

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
EIELSON AIR FORCE BASE, ALASKA			DORMITORY (120 RM)		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
2.75.96	721-312	FTQW033012	14,540		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (120 RM)		SM	3,960	2,796	11,072
SUPPORTING FACILITIES					2,583
UTILITIES		LS			(600)
ARCTIC UTILIDOR		LM	110	3,300	(363)
SITE IMPROVEMENTS		LS			(720)
PAVEMENTS		LS			(600)
ENVIRONMENTAL REMEDIATION		LS			(300)
SUBTOTAL					13,655
TOTAL CONTRACT COST					13,655
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)					888
TOTAL REQUEST					14,543
TOTAL REQUEST (ROUNDED)					14,540
10. Description of Proposed Construction: A three-story facility with reinforced concrete foundation and floor slab, masonry walls and roof. Includes room-bath/kitchen-room modules, laundries, storage, and lounge areas. Site improvements, parking, roadway, arctic utilidor, contaminated soil remediation, and all supporting facilities. Air Conditioning: None Grade Mix: 120 E1-E4.					
11. REQUIREMENT: 723 RM ADEQUATE: 402 RM SUBSTANDARD: 0 PROJECT: Construct a dormitory. (Current Mission) REQUIREMENT: A major Air Force objective provides unaccompanied enlisted personnel with housing conducive to 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. This project is in accordance with the Air Force Dormitory Master Plan. CURRENT SITUATION: As verified by the Air Force Dormitory Master Plan, the base has insufficient dormitory facilities to house all assigned unaccompanied personnel required to live on-base per Air Force policy. IMPACT IF NOT PROVIDED: Adequate living quarters will continue to be unavailable, resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. Low morale will contribute to retention difficulties for the Air Force. ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks construction standards known as "one-plus-one" established by OSD. All known alternative options were considered during the development of the project. No other options meet the mission					

1. COMPONENT	FY 2001 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	
DORMITORY (120 RM)	FTQW033012	
requirements; therefore, no economic analysis was performed. A certificate of exception has been prepared. FY1998 Unaccompanied Housing RPM conducted: \$1,624K. FY1999 Unaccompanied Housing RPM conducted: \$167K. Future Unaccompanied Housing RPM requirements (estimated): FY00 \$3,130K; FY01 \$4,900K; FY02 \$500K; FY03 \$455K. BASE CIVIL ENGINEER: Lt Col Zachmeier, 907-377-5213. DORMITORY 3,960 SM = 42,610 SF.		

1. COMPONENT	FY 2001 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
DORMITORY (120 RM)		FTQW033012
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		Design, Bid, Build
(1) Status:		
(a) Date Design Started		99 JAN 29
(b) Parametric Cost Estimates used to develop costs		Y
*(c) Percent Complete as of Jan 2000		15%
*(d) Date 35% Designed.		99 DEC 30
(e) Date Design Complete		00 AUG 15
(f) Energy Study/Life-Cycle analysis was/will be performed		Y
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		585
(b) All Other Design Costs		287
(c) Total		872
(d) Contract		858
(e) In-house		14
(3a) Construction Contract Award Date		00 DEC
(4) Construction Start		01 JAN
(5) Construction Completion		03 JAN
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 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		1.74	
6. PERSONNEL STRENGTH		PERMANENT		STUDENTS		SUPPORTED	
		OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 99		259	2772	656		54	113
b. End FY 2005		261	2809	658		54	113
7. INVENTORY DATA (\$000)							
a. Total Acreage: (19,790)							
b. Inventory Total As Of: (30 SEP 99) 6,302,436							
c. Authorization Not Yet In Inventory: 0							
d. Authorization Requested In This Program: 15,990							
e. Authorization Included In Following Program: (FY 2002) 5,500							
f. Planned In Next Three Program Years: 75,055							
g. Remaining Deficiency: 280,181							
h. Grand Total: 6,679,162							
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001							
CATEGORY		PROJECT TITLE		SCOPE	COST (\$000)	DESIGN STATUS	
CODE						START	CMPL
442-257	HAZARDOUS MATERIAL STORAGE		450 SM	1,450	JAN 99	AUG 00	
721-312	DORMITORY		120 RM	14,540	JAN 99	AUG 00	
TOTAL:					15,990		
9a. Future Projects: Included in the Following Program (FY 2002)							
214-426	HEATED MUNITIONS VEHICLE		1,150 SM	3,000			
	STORAGE FACILITY						
215-582	MUNITIONS SURVEILLANCE AND		488 SM	2,500			
	INSPECTION FACILITY						
TOTAL:					5,500		
9b. Future Projects: Typical Planned Next Three Years:							
141-786	JOINT MOBILITY COMPLEX		4,650 SM	17,184			
721-312	DORMITORY		120 RM	16,100			
721-315	VISITING AIRMAN QUARTERS		300 RM	31,871			
890-185	REPAIR ARCTIC UTILIDORS,		3,698 LM	9,900			
	PHASE 1						
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 training 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						33,497	

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
EIELSON AIR FORCE BASE, ALASKA			HAZARDOUS MATERIAL STORAGE		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.74.56	442-257	FTQW973011	1,450		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
HAZARDOUS MATERIAL STORAGE	SM	450	2,000	900	
SUPPORTING FACILITIES				474	
UTILITIES/ARCTIC UTILIDOR	LS			(120)	
PAVEMENTS	LS			(40)	
SITE IMPROVEMENTS	LS			(124)	
CONTAMINATED SOIL REMEDIATION	LS			(190)	
SUBTOTAL				1,374	
TOTAL CONTRACT COST				1,374	
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				89	
TOTAL REQUEST				1,463	
TOTAL REQUEST (ROUNDED)				1,450	
10. Description of Proposed Construction: Reinforced concrete floor slab, masonry walls, structural steel-framed, pitched roof. Includes interior and exterior utilities, fire protection system, communications, HAZMAT monitoring, spill containment, alarm systems, pavements, and all necessary support.					
11. REQUIREMENT: 450 SM ADEQUATE: 0 SUBSTANDARD: 450 SM					
PROJECT: Construct a hazardous material storage facility. (Current Mission)					
REQUIREMENT: This is a Level I environmental compliance requirement. An adequately sized hazardous waste storage facility is necessary to support the base mission and comply with federal regulations.					
CURRENT SITUATION: The existing facility is in violation of federal regulations because it lacks the dikes and separation walls required to segregate hazardous waste, and has no fire alarm system. Continuous workarounds are required to store hazardous materials. The existing facility is operating at 250% of rated capacity.					
IMPACT IF NOT PROVIDED: The base will be in violation of federal regulations leading to possible fines of up to \$25,000 per-day per-violation. Noncompliance is a threat to the health and safety of personnel working in and around the existing facility.					
ADDITIONAL: This project meets the scope/criteria in Air Force Handbook 32-1084, "Facility Requirements." BASE CIVIL ENGINEER: Lt Col Zachmeier. 907-377-5213. Hazardous Material Storage: 450 SM = 4815 SF.					

1. COMPONENT	FY 2001 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
HAZARDOUS MATERIAL STORAGE		FTQW973011
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		Design, Bid, Build
(1) Status:		
(a) Date Design Started		99 JAN 29
(b) Parametric Cost Estimates used to develop costs		Y
* (c) Percent Complete as of Jan 2000		15%
* (d) Date 35% Designed.		99 DEC 30
(e) Date Design Complete		00 AUG 15
(f) Energy Study/Life-Cycle analysis was/will be performed		Y
(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		93
(b) All Other Design Costs		46
(c) Total		139
(d) Contract		125
(e) In-house		14
(3a) Construction Contract Award Date		00 DEC
(4) Construction Start		01 JAN
(5) Construction Completion		02 OCT
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)		2. DATE						
AIR FORCE										
3. INSTALLATION AND LOCATION			4. COMMAND		5. AREA CONST COST INDEX					
ELMENDORF AIR FORCE BASE, ALASKA			PACIFIC AIR FORCES		1.50					
6. PERSONNEL		PERMANENT		STUDENTS						
STRENGTH				SUPPORTED						
		OFF	ENL	CIV	OFF	ENL	CIV	TOTAL		
a. As of 30 SEP 99		819	6105	816			157	405	123	10,425
b. End FY 2005		822	6151	805			157	405	123	10,463
7. INVENTORY DATA (\$000)										
a. Total Acreage: (13,122)										
b. Inventory Total As Of: (30 SEP 99) 2,775,140										
c. Authorization Not Yet In Inventory: 0										
d. Authorization Requested In This Program: 27,520										
e. Authorization Included In Following Program: (FY 2002) 27,500										
f. Planned In Next Three Program Years: 42,400										
g. Remaining Deficiency: 239,912										
h. Grand Total: 3,112,472										
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001										
CATEGORY				COST		DESIGN STATUS				
CODE	PROJECT TITLE	SCOPE		(\$000)		START	CMPL			
211-111	UPGRADE HANGAR COMPLEX	8,500 SM		11,600		JAN 99	AUG 00			
721-312	DORMITORY	144 RM		15,920		TURNKEY	TURNKEY			
TOTAL:				27,520						
9a. Future Projects: Included in the Following Program (FY 2002)										
721-312	DORMITORY	180 RM		20,200						
740-884	CHILD DEVELOPMENT CENTER	2,512 SM		7,300						
TOTAL:				27,500						
9b. Future Projects: Typical Planned Next Three Years:										
610-285	REPAIR HEADQUARTERS BUILDING	11,767 SM		10,000						
721-312	DORMITORY	180 RM		21,100						
740-674	ADD TO AND ALTER FITNESS CENTER	4,450 SM		11,300						
10. Mission or Major Functions: Headquarters Alaska Command; Headquarters Eleventh Air Force. The host wing supports three fighter squadrons including two F-15C/D squadrons, one F-15E squadron, one E3 airborne warning and control squadron and an airlift squadron with C-130H and C-12 aircraft.										
11. Outstanding pollution and safety (OSHA) deficiencies:										
a. Air pollution: 0										
b. Water pollution: 0										
c. Occupational safety and health: 1,200										
d. Other Environmental: 0										
12. Real Property Maintenance Backlog This Installation 43,355										

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION	4. PROJECT TITLE			
ELMENDORF AIR FORCE BASE, ALASKA	DORMITORY (144 RM)			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)	
2.75.96	721-312	FXSB013005	15,920	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (144 RM)	SM	5,040	2,372	11,955
SUPPORTING FACILITIES				2,990
UTILITIES	LS			(790)
PAVEMENTS	LS			(900)
SITE IMPROVEMENTS	LS			(1,000)
CONTAMINATED SOIL REMEDIATION	LS			(300)
SUBTOTAL				14,945
TOTAL CONTRACT COST				14,945
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				971
TOTAL REQUEST				15,916
TOTAL REQUEST (ROUNDED)				15,920
10. Description of Proposed Construction: A three-story facility with reinforced concrete foundation and floor slabs, masonry walls and roof. Includes room-bath/kitchen-room modules, laundries, storage and lounge area and all supporting facilities. Grade Mix: 144 E1-E4.				
11. REQUIREMENT: 1,455 RM ADEQUATE: 938 RM SUBSTANDARD: 0 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 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. This project is in accordance with the Air Force Dormitory Master Plan. CURRENT SITUATION: As verified by the Air Force Dormitory Master Plan, the base has insufficient facilities to adequately accommodate permanent party unaccompanied enlisted personnel required to live on-base per Air Force policy. IMPACT IF NOT PROVIDED: Adequate living quarters will continue to be unavailable resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. Low morale will contribute to retention difficulties for the Air Force. ADDITIONAL: This project meets the criteria/scope in the new uniform barracks construction standard, known as "one plus one," established by OSD. All known alternatives were considered during development of this project. No other option could meet mission requirements, therefore no				

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
ELMENDORF AIR FORCE BASE, ALASKA		
4. PROJECT TITLE	5. PROJECT NUMBER	
DORMITORY (144 RM).	FXSB013005	
economic analysis was performed. A certificate of exception has been prepared. FY 1998 Unaccompanied Housing RPM conducted: \$2,868K. FY 1999 Unaccompanied Housing RPM conducted: \$2,160K. Future Unaccompanied Housing RPM requirements (estimated): FY00: \$2,995K; FY01: \$3,062K; FY02: \$3,129K; FY03: \$3,197K. BASE CIVIL ENGINEER: Col. Showers, (907) 552-3007. Dormitory: 5,040 SM = 54,000 SF.		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
ELMENDORF AIR FORCE BASE, ALASKA		
4. PROJECT TITLE	5. PROJECT NUMBER	
DORMITORY (144 RM)	FXSB013005	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Project to be accomplished by design-build procedures		
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	ELMENDOR	
(3) Design Allowance	796	
(3a) Construction Contract Award Date	00 DEC	
(4) Construction Start	01 JAN	
(5) Construction Completion	03 JAN	
(6) Energy Study/Life-Cycle analysis was/will be performed	Y	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE	
AIR FORCE									
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX	
ELMENDORF AIR FORCE BASE, ALASKA				PACIFIC AIR FORCES				1.50	
6. PERSONNEL		PERMANENT		STUDENTS		SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL
a. As of 30 SEP 99		819	6105	816				157	405
b. End FY 2005		822	6151	805				157	405
								123	10,425
								123	10,463
7. INVENTORY DATA (\$000)									
a. Total Acreage: (13,122)									
b. Inventory Total As Of: (30 SEP 99) 2,775,140									
c. Authorization Not Yet In Inventory: 0									
d. Authorization Requested In This Program: 27,520									
e. Authorization Included In Following Program: (FY 2002) 27,500									
f. Planned In Next Three Program Years: 42,400									
g. Remaining Deficiency: 239,912									
h. Grand Total: 3,112,472									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001									
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS	
CODE								START	CMPL
211-111	UPGRADE HANGAR COMPLEX			8,500 SM	11,600	JAN 99	AUG 00		
721-312	DORMITORY			144 RM	15,920	TURNKEY	TURNKEY		
TOTAL:					27,520				
9a. Future Projects: Included in the Following Program (FY 2002)									
721-312	DORMITORY			180 RM	20,200				
740-884	CHILD DEVELOPMENT CENTER			2,512 SM	7,300				
TOTAL:					27,500				
9b. Future Projects: Typical Planned Next Three Years:									
610-285	REPAIR HEADQUARTERS BUILDING			11,767 SM	10,000				
721-312	DORMITORY			180 RM	21,100				
740-674	ADD TO AND ALTER FITNESS CENTER			4,450 SM	11,300				
10. Mission or Major Functions: Headquarters Alaska Command; Headquarters Eleventh Air Force. The host wing supports three fighter squadrons including two F-15C/D squadrons, one F-15E squadron, one E3 airborne warning and control squadron and an airlift squadron with C-130H and C-12 aircraft.									
11. Outstanding pollution and safety (OSHA) deficiencies:									
a. Air pollution: 0									
b. Water pollution: 0									
c. Occupational safety and health: 1,200									
d. Other Environmental: 0									
12. Real Property Maintenance Backlog This Installation 43,355									

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
ELMENDORF AIR FORCE BASE, ALASKA			UPGRADE HANGAR COMPLEX		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.75.96	211-111	FXSB983019	11,600		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
UPGRADE HANGAR COMPLEX	LS			7,605	
UPGRADE MAINTENANCE HANGAR	SM	8,500	600	(5,100)	
MECHANICAL EQUIPMENT ADDITION	SM	344	2,651	(912)	
HANGAR DELUGE SYSTEM	SM	4,415	285	(1,258)	
WET PIPE SPRINKLER SYSTEM	SM	3,940	85	(335)	
SUPPORTING FACILITIES				3,250	
UTILITIES	LS			(1,700)	
CONTAMINATED SOIL REMEDIATION	LS			(600)	
WATER STORAGE TANK	LS			(950)	
SUBTOTAL				10,855	
TOTAL CONTRACT COST				10,855	
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				706	
TOTAL REQUEST				11,561	
TOTAL REQUEST (ROUNDED)				11,600	
10. Description of Proposed Construction: Repair hangar roof and floor. Replace electrical wiring, lighting, heating system, water supply line, and exterior doors. Install fire protection systems. Upgrade hangar doors. Install new gas line and boilers throughout. Includes soil remediation and all necessary support.					
11. REQUIREMENT: 48,417 SM ADEQUATE: 6,201 SM SUBSTANDARD: 32,508 SM PROJECT: Upgrade hangar complex. (Current Mission)					
REQUIREMENT: Upgrade hangar to meet current electrical codes, provide a fire suppression system meeting current life safety code, and a new, energy-efficient heating system which supports the base-wide conversion to gas heating.					
CURRENT SITUATION: The existing hangar was constructed in 1942. Functions housed in this facility include aircraft maintenance, squadron operations, maintenance shops, and administrative areas. The hangar has no fire suppression system, and the existing fire detection system is outdated. The electrical system does not meet current standards, the roof leaks and has no insulation, and the floor is cracked, causing a foreign object damage hazard. The existing water supply line cannot support a fire suppression system. The existing steam heating system is over 40 years old and will be replaced by natural gas heat.					
IMPACT IF NOT PROVIDED: The lack of a fire suppression system will continue to expose approximately 200 personnel and 11 fighter aircraft to the risk of loss by fire. Roof leaks, foreign object damage, and high energy consumption will continue to jeopardize mission capability.					
ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of options for meeting this requirement has been completed. Only one option					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
ELMENDORF AIR FORCE BASE, ALASKA		
4. PROJECT TITLE		5. PROJECT NUMBER
UPGRADE HANGAR COMPLEX		FXSB983019
meets operational requirements. therefore, a full economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: Col Showers, 907-552-4833. Upgrade Hangar Complex: 8,500 SM = 91,000 SF		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
ELMENDORF AIR FORCE BASE, ALASKA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE HANGAR COMPLEX	FXSB983019	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		Design, Bid, Build
(1) Status:		
(a) Date Design Started		99 JAN 29
(b) Parametric Cost Estimates used to develop costs		Y
* (c) Percent Complete as of Jan 2000		15%
* (d) Date 35% Designed.		99 DEC 30
(e) Date Design Complete		00 AUG 15
(f) Energy Study/Life-Cycle analysis was/will be performed		Y
(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		696
(b) All Other Design Costs		348
(c) Total		1044
(d) Contract		944
(e) In-house		100
(3a) Construction Contract Award Date		00 DEC
(4) Construction Start		01 JAN
(5) Construction Completion		03 JAN
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
DAVIS-MONTHAN AIR FORCE BASE, ARIZONA				AIR COMBAT 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 99		858	4996	1290				70	91	314	7,619
b. End FY 2005		859	5000	1274				70	91	314	7,608
7. INVENTORY DATA (\$000)											
a. Total Acreage: (10,633)											
b. Inventory Total As Of: (30 SEP 99) 1,445,356											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 7,900											
e. Authorization Included In Following Program: (FY 2002) 17,600											
f. Planned In Next Three Program Years: 15,500											
g. Remaining Deficiency: 37,485											
h. Grand Total: 1,523,841											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START		CMPLE	
740-674	FITNESS CENTER				4,760 SM	7,900		JAN 99		SEP 00	
					TOTAL:	7,900					
9a. Future Projects: Included in the Following Program (FY 2002)											
141-753	EC-130 SQUADRON OPERATIONS/AMU				3,561 SM	9,100					
721-312	DORMITORY (120 RM)				120 RM	8,500					
					TOTAL:	17,600					
9b. Future Projects: Typical Planned Next Three Years:											
141-821	AIRCRAFT RECLAMATION/PARTS				4,200 SM	7,400					
	PROCESS COMPLEX										
721-312	DORMITORY (120 RM)				120 RM	8,100					
10. Mission or Major Functions: Headquarters 12th Air Force; a wing with two fighter training squadrons responsible for training all A/OA-10 aircrews; one A/OA-10 fighter squadron, two EC-130 electronic combat squadrons, and one EC-130 airborne command and control squadron; an Air Force Reserve HH-60 rescue squadron; an Air National Guard air defense flex site(F-16 aircraft); and Air Force Materiel Command's Aerospace Maintenance and Regeneration center. .											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution: 0											
b. Water pollution: 0											
c. Occupational safety and health: 7,300,000											
d. Other Environmental: 0											
12. Real Property Maintenance Backlog This Installation 16,863											

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
DAVIS-MONTHAN AIR FORCE BASE, ARIZONA			FITNESS CENTER		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
2.75.96	740-674	FBNV873005R5	7,900		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
FITNESS CENTER		SM	4,760		6,163
FITNESS CENTER		SM	3,360	1,481	(4,976)
INDOOR POOL		SM	1,400	848	(1,187)
SUPPORTING FACILITIES					1,300
UTILITIES		LS			(450)
PAVEMENTS		LS			(375)
SITE IMPROVEMENTS		LS			(350)
LANDSCAPING		LS			(125)
SUBTOTAL					7,463
TOTAL CONTRACT COST					7,463
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					425
TOTAL REQUEST					7,888
TOTAL REQUEST (ROUNDED)					7,900
10. Description of Proposed Construction: Two-story facility consisting of concrete footings, stem walls, and floor slab; concrete masonry walls, pitched metal roof, insulation, heating and air conditioning, all support utilities, fire detection and protection, restrooms, equipment and locker rooms, laundry, steam/sauna rooms, suspended track, handball/racquetball courts, parking, sidewalks, and landscaping. Air Conditioning: 528 KW.					
11. REQUIREMENT: 7,804 SM ADEQUATE: 2,601 SM SUBSTANDARD: 0 PROJECT: Construct Fitness center. (Current Mission). REQUIREMENT: Fitness facilities are required to provide fitness, wellness, and aerobic areas for military, dependent and retired members. Adequate space is required for basketball/volleyball courts, racquetball courts, aerobic training areas, and physical conditioning space. CURRENT SITUATION: The existing base gymnasium was built in 1968 and is no longer large enough to meet mission requirements. Steady increases in the base population have overloaded the current facility. A shortage of racquetball courts, aerobics training areas, and physical conditioning space forces patrons to stand in line and in many instances be turned away as the gym courts or aerobics room are full. There is a severe shortage of general physical conditioning space and equipment. IMPACT IF NOT PROVIDED: The base fitness center will continue to be overcrowded and unavailable to large numbers of potential users. The situation will continue to have an unfavorable impact on morale and on the physical condition of military personnel who are required to maintain standards of weight and physical condition. ADDITIONAL: This project meets the criteria/scope specified in Air Force					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
DAVIS-MONTHAN AIR FORCE BASE, ARIZONA		
4. PROJECT TITLE	5. PROJECT NUMBER	
FITNESS CENTER	FBNV873005R5	
Handbook 32-1084, "Facility Requirements." Other alternatives considered during project development were not viable. New construction is the best alternative based on need, location, and functionality. An Economic Analysis was not performed. A Certificate of Exception has been prepared. BASE CIVIL ENGINEER: Lt Col Marshall Lounsberry (520) 228-3401. Fitness Center: 3,360 SM = 36,167 SF; Indoor Pool: 1,400 SM = 15,069 SF		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
DAVIS-MONTHAN AIR FORCE BASE, ARIZONA		
4. PROJECT TITLE	5. PROJECT NUMBER	
FITNESS CENTER	FBNV873005R5	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		Design, Bid, Build
(1) Status:		
(a) Date Design Started		99 JAN 26
(b) Parametric Cost Estimates used to develop costs		Y
* (c) Percent Complete as of Jan 2000		35%
* (d) Date 35% Designed.		99 DEC 15
(e) Date Design Complete		00 SEP 01
(f) Energy Study/Life-Cycle analysis was/will be performed		Y
(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		474
(b) All Other Design Costs		237
(c) Total		711
(d) Contract		592
(e) In-house		119
(3a) Construction Contract Award Date		01 JAN
(4) Construction Start		01 MAR
(5) Construction Completion		02 SEP
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE	
AIR FORCE									
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST	
LITTLE ROCK AIR FORCE BASE, ARKANSAS				AIR EDUCATION AND TRAINING COMMAND				COST INDEX	
								0.85	
6. PERSONNEL		PERMANENT		STUDENTS		SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL
a. As of 30 SEP 99		638	3758	757					5,153
b. End FY 2005		639	3805	756					5,200
7. INVENTORY DATA (\$000)									
a. Total Acreage: (6,898)									
b. Inventory Total As Of: (30 SEP 99) 8,867,156									
c. Authorization Not Yet In Inventory: 0									
d. Authorization Requested In This Program: 17,060									
e. Authorization Included In Following Program: (FY 2002) 11,100									
f. Planned In Next Three Program Years: 5,308									
g. Remaining Deficiency: 15,000									
h. Grand Total: 8,915,624									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001									
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS	
CODE								START	CMPL
141-753	C-130 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT			5,200 SM		7,960		JAN 99	SEP 00
740-674	FITNESS CENTER			5,854 SM		9,100		JAN 00	APR 01
TOTAL:						17,060			
9a. Future Projects: Included in the Following Program (FY 2002)									
171-212	C-130J FLIGHT SIMULATOR FACILITY			3,285 SM		10,000			
921-177	C-130 DROP ZONE ADDITION			140 HA		1,100			
TOTAL:						11,100			
9b. Future Projects: Typical Planned Next Three Years:									
130-142	FIRE/CRASH RESCUE STATION			3,100 SM		5,308			
10. Mission or Major Functions: An airlift wing with five C-130 squadrons conducting operations and training; only DoD C-130 training base; an AR ANG C-130 Airlift Wing; and an AFRC aerial port squadron.									
11. Outstanding pollution and safety (OSHA) deficiencies:									
a. Air pollution:								20	
b. Water pollution:								815	
c. Occupational safety and health:								0	
d. Other Environmental:								0	
12. Real Property Maintenance Backlog This Installation								58,136	

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
LITTLE ROCK AIR FORCE BASE, ARKANSAS			C-130 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
4.18.96	141-753	NKAK003000	7,960		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
C-130 SQUADRON OPERATIONS/AMU					5,911
SQ OPS/AMU		SM	4,250	1,152	(4,896)
HQ GROUP FACILITY		SM	950	1,068	(1,015)
SUPPORTING FACILITIES					1,620
UTILITIES/COMM SUPPORT		LS			(315)
PAVEMENTS		LS			(530)
SITE IMPROVEMENTS		LS			(206)
DEMOLITION/ASBESTOS/LEAD PAINT REMOVAL		SM	3,450	78	(269)
SEISMIC/ELEVATOR		LS			(300)
SUBTOTAL					7,531
TOTAL CONTRACT COST					7,531
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					429
TOTAL REQUEST					7,960
TOTAL REQUEST (ROUNDED)					7,960
10. Description of Proposed Construction: Construct a one story facility with concrete foundation, masonry walls, structural steel frame, sloping roof system, and fire protection system, utilities and necessary support. Demolish seven facilities (3,450 SM). Air Conditioning: 703 KW.					
11. REQUIREMENT: As required.					
PROJECT: Construct a C-130 squadron operations/aircraft maintenance unit (Sq Ops/AMU) facility. (Current 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 16 C-130 aircraft assigned to Little Rock AFB. The facility will support Sq 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. Project includes constructing a headquarters facility to replace the current facility which is in the way of construction.					
CURRENT SITUATION: Squadron operations and the aircraft maintenance units are dispersed among seven facilities. This physical separation creates fragmented lines of communication 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					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
LITTLE ROCK AIR FORCE BASE, ARKANSAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
C-130 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT	NKAK003000	
properly configured to house the unified squadrons supporting the C-130s. <u>IMPACT IF NOT PROVIDED:</u> Operations, maintenance, and support personnel will remain in severely undersized and physically separated buildings. Essential squadron operations and logistic functions will continue to require additional work-arounds that will degrade mission performance. <u>ADDITIONAL:</u> 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 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. BCE: Lt Col Drew Jeter, 501-987-3322. Squadron operations/AMU facility: 4,250SM = 45,757SF; Headquarters facility: 950SM = 10,226SF		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
LITTLE ROCK AIR FORCE BASE, ARKANSAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
C-130 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT	NKAK003000	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		Design, Bid, Build
(1) Status:		
(a) Date Design Started		99 JAN 26
(b) Parametric Cost Estimates used to develop costs		Y
* (c) Percent Complete as of Jan 2000		15%
* (d) Date 35% Designed.		99 JUN 15
(e) Date Design Complete		00 SEP 15
(f) Energy Study/Life-Cycle analysis was/will be performed		Y
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Production of Plans and Specifications		360
(b) All Other Design Costs		180
(c) Total		540
(d) Contract		415
(e) In-house		125
(3a) Construction Contract Award Date		01 MAY
(4) Construction Start		01 JUN
(5) Construction Completion		02 JUN
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
LITTLE ROCK AIR FORCE BASE, ARKANSAS			FITNESS CENTER		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
8.57.96	740-674	NKAK903003	9,100		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
FITNESS CENTER		SM	5,854	1,228	7,189
SUPPORTING FACILITIES					1,400
UTILITIES		LS			(540)
PAVEMENTS		LS			(345)
SITE IMPROVEMENTS		LS			(290)
DEMOLITION		LS			(200)
COMMUNICATION		LS			(25)
SUBTOTAL					8,589
TOTAL CONTRACT COST					8,589
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					490
TOTAL REQUEST					9,079
TOTAL REQUEST (ROUNDED)					9,100
10. Description of Proposed Construction: Reinforced concrete foundation and slab, sloped roof, and steel frame support with masonry exterior. Project includes HVAC, fire protection, utilities, and all necessary support. Functional areas include courts, indoor track, aerobic and weight rooms and administrative areas. Project includes demolition of one facility (2630 SM). Air Conditioning: 200 KW.					
11. REQUIREMENT: 5,854 SM ADEQUATE: 0 SUBSTANDARD: 2,650 SM PROJECT: Construct a physical fitness center to include Health and Wellness Center (Current Mission). REQUIREMENT: An adequate facility to conduct comprehensive and balanced programs for recreational sports, athletic training, and physical fitness is needed as an essential feature of the living and working environment of personnel on the Air Force base. Programs to be supported include aerobic, health, and nutritional training and recreational athletic programs. CURRENT SITUATION: The existing facility is not large enough to accommodate base personnel, especially females interested in participating in exercise/recreational programs. The gymnasium does not provide the required space to support the demand for basketball, volleyball, racquetball, weightlifting, wrestling, judo, karate, and other indoor recreational activities. The lack of adequate court and instructional class areas cause most programs to be restrictive in numbers and some programs cannot even be offered. The overall space limitation is discouraging and has a detrimental effect on the athletic program, which is the most important MWR program on Little Rock AFB. The current					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated) -	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
LITTLE ROCK AIR FORCE BASE, ARKANSAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
FITNESS CENTER	NKAK903003	
mandatory aerobic testing is conducted in an overcrowded office area that does not maintain the required temperature level. The weight room is squeezed into a small area and is not conducive to proper conditioning work or safety. Due to numerous additions to the existing facility functional layout and access are poor and utilities are undersized for current loads. <u>IMPACT IF NOT PROVIDED:</u> The physical conditioning environment will continue to be overcrowded and unsafe. Proper training and conditioning of personnel will not be met. Because there is a lack of nearby fitness centers, personnel will lose significant time and money commuting and paying dues to private alternative facilities. Without benefit of this quality-of-life initiative the Air Force will be hampered in its ability to attract and retain quality personnel. <u>ADDITIONAL:</u> 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 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. BCE: Lt Col Drew Jeter, 501-987-3322. Fitness Center: 5854SM = 62,989SF		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
LITTLE ROCK AIR FORCE BASE, ARKANSAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
FITNESS CENTER	NKAK903003	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		Design, Bid, Build
(1) Status:		
(a) Date Design Started		00 JAN 04
(b) Parametric Cost Estimates used to develop costs		Y
* (c) Percent Complete as of Jan 2000		%
* (d) Date 35% Designed.		00 APR 30
(e) Date Design Complete		01 APR 30
(f) Energy Study/Life-Cycle analysis was/will be performed		
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		546
(b) All Other Design Costs		273
(c) Total		819
(d) Contract		683
(e) In-house		136
(3a) Construction Contract Award Date		01 JUN
(4) Construction Start		01 AUG
(5) Construction Completion		03 MAR
*		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX			
BEALE AIR FORCE BASE, CALIFORNIA				AIR COMBAT COMMAND				1.25			
6. PERSONNEL STRENGTH		PERMANENT		STUDENTS		SUPPORTED					
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		324	2841	609				20	119	66	3,979
b. End FY 2005		324	2855	606				20	119	66	3,990
7. INVENTORY DATA (\$000)											
a. Total Acreage: (22,944)											
b. Inventory Total As Of: (30 SEP 99) 5,490,518											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 3,800											
e. Authorization Included In Following Program: (FY 2002) 6,000											
f. Planned In Next Three Program Years: 0											
g. Remaining Deficiency: 26,814											
h. Grand Total: 5,527,132											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START	CMPL		
841-165	WATER TREATMENT PLANT AND DISTRIBUTION LINE		LS		3,800		JAN 99		SEP 00		
TOTAL:						3,800					
9a. Future Projects: Included in the Following Program (FY 2002)											
149-962	CONTROL TOWER		LS		6,000						
TOTAL:						6,000					
9b. Future Projects: Typical Planned Next Three Years:											
10. Mission or Major Functions: A reconnaissance wing which includes two U-2 reconnaissance squadrons, one of which is responsible for training all U-2 aircrews; a Contingency Airborne Reconnaissance System (CARS); an Air Force Space Command missile warning squadron which operates one of the Phased Array Warning System (PAVE PAWS) radars; and an Air Force Reserve wing with KC-135 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										22,333	

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
BEALE AIR FORCE BASE, CALIFORNIA			WATER TREATMENT PLANT AND DISTRIBUTION LINE		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.74.56	841-165	BAEY961005R1	3,800		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
WATER TREATMENT PLANT AND DISTRIBUTION LINE					3,543
WATER TREATMENT PLANT		LS			(3,318)
DISTRIBUTION LINE		LM	1,800	125	(225)
SUPPORTING FACILITIES					40
DEMOLISH EXISTING TREATMENT PLANT		LS			(40)
SUBTOTAL					3,583
TOTAL CONTRACT COST					3,583
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					204
TOTAL REQUEST					3,787
TOTAL REQUEST (ROUNDED)					3,800
10. Description of Proposed Construction: Construct a water treatment plant to comply with the safe drinking water standards regarding manganese and iron. Construct a new 1,800 meter distribution line to the existing 11.4 million liter storage tank. Demolish existing water treatment plant.					
11. REQUIREMENT: As required.					
PROJECT: Construct a water treatment plant and distribution line. (Current Mission)					
REQUIREMENT: This is a Level I environmental compliance requirement. Beale AFB has received five notices of violation (NOVs) for Total Coliform Rule (TCR) violations and is out of compliance with Article 16, Section 64449 of the California Code of Regulations (CCR Article 16) for exceeding the secondary standard Maximum Contaminant Level (MCL) for manganese (Mn). This project will remove manganese and iron and lower the associated chlorine demand, reduce the water residence time, eliminate TCR NOVs and allow Beale to comply with CCR Article 16.					
CURRENT SITUATION: To minimize residence time in the water distribution system and maintain chlorine residuals, the base flushes over 27,000 gallons/day of treated water from open fire hydrants into the storm sewers. This practice is wasteful and the base still receives NOVs for TCR violations. The base received one NOV within a 12 month period; four NOVs results in a monetary fine NOV and placement on the EPA Non-Compliance list. Mn levels average out of compliance with CCR Article 16. High Mn levels exert a high chlorine demand and cause brown-colored, staining water when treated with chlorine. Beale AFB currently adds a polymer to keep the Mn and Fe in solution in the distribution system. However, it is expensive (\$50,000/year) and does not maintain compliance with the standard. This project also brings Beale AFB into compliance					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
BEALE AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
WATER TREATMENT PLANT AND DISTRIBUTION LINE	BAEY961005R1	
with CCR Article 16 and eliminates the need for polymer addition, stops wasteful discharge of treated water, and complies with backflow prevention standards. <u>IMPACT IF NOT PROVIDED:</u> Long residence times will continue to result in reduced chlorine residuals, positive coliform results, and NOV's for violating the TCR. There is a high probability Beale AFB will receive a monetary NOV and be placed on the EPA Non-Compliance list. The base will continue to be out of compliance with CCR Article 16. <u>ADDITIONAL:</u> 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: Lt Col Kevin Rumsey, (916) 634-2942. Transmission line: 1800LM = 5904LF		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
BEALE AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE		5. PROJECT NUMBER
WATER TREATMENT PLANT AND DISTRIBUTION LINE		BAEY961005R1
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		Design, Bid, Build
(1) Status:		
(a) Date Design Started		99 JAN 26
(b) Parametric Cost Estimates used to develop costs		Y
* (c) Percent Complete as of Jan 2000		35%
* (d) Date 35% Designed.		99 DEC 10
(e) Date Design Complete		00 SEP 01
(f) Energy Study/Life-Cycle analysis was/will be performed		Y
(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		114
(c) Total		342
(d) Contract		285
(e) In-house		57
(3a) Construction Contract Award Date		01 JAN
(4) Construction Start		01 MAR
(5) Construction Completion		02 MAR
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
LOS ANGELES AIR FORCE BASE, CALIFORNIA				AIR FORCE MATERIEL COMMAND				COST INDEX 1.12			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		25	71	12							108
b. End FY 2005		25	71	12							108
7. INVENTORY DATA (\$000)											
a. Total Acreage: (13)											
b. Inventory Total As Of: (30 SEP 99) 2,066,482											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 6,580											
e. Authorization Included In Following Program: (FY 2002) 25,000											
f. Planned In Next Three Program Years: 0											
g. Remaining Deficiency: 29,700											
h. Grand Total: 2,127,762											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START	CMPL		
740-674	FITNESS CENTER			2,800 SM		6,580		TURN KEY			
TOTAL:						6,580					
9a. Future Projects: Included in the Following Program (FY 2002)											
610-128	CONSOLIDATED BASE SUPPORT			17,110 SM		25,000					
COMPLEX											
TOTAL:						25,000					
9b. Future Projects: Typical Planned Next Three Years:											
10. Mission or Major Functions: The Space and Missile Systems Center (SMC) equips U. S. and allied forces with satellites and the systems to employ those satellites in support of global military operations. Conducts the research, development, and sustainment of U. S. military space systems. The center is the cradle-to-grave system manager of numerous weather, navigation, communication, surveillance satellite systems, ballistic missile defense systems, and space launch systems.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:										115,000	
b. Water pollution:										0	
c. Occupational safety and health:										0	
d. Other Environmental:										0	
12. Real Property Maintenance Backlog This Installation										145	

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
LOS ANGELES AIR FORCE BASE, CALIFORNIA			FITNESS CENTER		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
7.28.06	740-674	ACJP933005	6,580		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
FITNESS CENTER	SM	2,800	1,740	4,872	
SUPPORTING FACILITIES				1,341	
UTILITIES	LS			(438)	
PAVEMENTS	LS			(225)	
SITE IMPROVEMENTS	LS			(125)	
DEMOLITION	SM	1,850	150	(278)	
ASBESTOS ABATEMENT	LS			(200)	
COMMUNICATIONS SUPPORT	LS			(75)	
SUBTOTAL				6,213	
TOTAL CONTRACT COST				6,213	
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				354	
TOTAL REQUEST				6,567	
TOTAL REQUEST (ROUNDED)				6,580	
10. Description of Proposed Construction: Concrete foundation/slab, masonry walls, standing-seam pitched metal roof, utilities, landscaping, and all other necessary support. Includes multi-purpose ball court, racquet ball courts, weight rooms, rest rooms, lap pool, sauna, jacuzzi, exercise and training space, and wellness center. Demolish two facilities (1,850 SM). Air Conditioning: 350 KW.					
11. REQUIREMENT: 2,800 SM ADEQUATE: 0 SUBSTANDARD: 1,850 SM PROJECT: Fitness center. (Current Mission) REQUIREMENT: An adequate facility is required for the physical fitness of military personnel to support combat readiness and national emergencies and promote healthier lifestyles for military personnel and their families. Functional fitness centers improve quality of life by enhancing readiness, promoting good health, and providing recreation to help moderate the stresses of military life. Physical well-being and good morale, in part from exercise, team, and individual sports, contribute to developing the self-confidence and physical strength required during contingencies. CURRENT SITUATION: The existing inadequate facilities were converted to physical fitness centers on a piecemeal basis. The facilities are not configured to accommodate the physical exercise activities of the base population of over 1,950 military personnel and 2,687 dependents. Many people are turned away and the number of athletic programs are limited, despite optimum scheduling and the use of waiting lists. Due to the high cost of living in Los Angeles, access to private athletic facilities is not economically available to most assigned personnel.					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
LOS ANGELES AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
FITNESS CENTER	ACJP933005	
<u>IMPACT IF NOT PROVIDED:</u> Facility shortcomings will continue to hamper physical conditioning and recreational programs, with negative impact on physical fitness and morale. Military personnel will have limited access to a physical fitness facility to maintain Air Force physical fitness standards required to support combat readiness and national emergencies. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in the Air Force Handbook 32-1084, "Facility Requirements." 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: Lt Col William Saunders, (310) 363-0287. Fitness Center: 2,800SM = 30,128SF.		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
LOS ANGELES AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
FITNESS CENTER	ACJP933005	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Project to be accomplished by design-build procedures		
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Design Allowance	329	
(3a) Construction Contract Award Date	00 DEC	
(4) Construction Start	01 JUN	
(5) Construction Completion	02 SEP	
(6) Energy Study/Life-Cycle analysis was/will be performed	Y	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 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 1.20			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		576	2158	1016				68			3,818
b. End FY 2005		578	2078	1050				68			3,774
7. INVENTORY DATA (\$000)											
a. Total Acreage: (11,551)											
b. Inventory Total As Of: (30 SEP 99) 1,282,273											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 4,650											
e. Authorization Included In Following Program: (FY 2002) 19,947											
f. Planned In Next Three Program Years: 20,900											
g. Remaining Deficiency: 65,473											
h. Grand Total: 1,393,243											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START	CPL		
841-161	UPGRADE WATER DISTRIBUTION SYSTEM			41,500 LM		4,650		TURN KEY			
						TOTAL:	4,650				
9a. Future Projects: Included in the Following Program (FY 2002)											
730-441	BASE EDUCATION CENTER			3,540 SM		8,300					
851-142	MISSILE TRANSPORT BRIDGE			750 LM		11,647					
						TOTAL:	19,947				
9b. Future Projects: Typical Planned Next Three Years:											
214-467	REFUELING VEHICLE MAINTENANCE SHOP			250 SM		1,000					
442-257	HAZARDOUS MATERIALS STORAGE FACILITY			1,850 SM		3,800					
740-674	FITNESS CENTER			5,051 SM		11,600					
740-884	CHILD DEVELOPMENT CENTER			1,900 SM		4,500					
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: 2,250,000											
b. Water pollution: 5,900,000											
c. Occupational safety and health: 100,000											
d. Other Environmental: 4,090,000											
12. Real Property Maintenance Backlog This Installation 89,745											

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
VANDENBERG AIR FORCE BASE, CALIFORNIA			UPGRADE WATER DISTRIBUTION SYSTEM		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
3.58.56	841-161	XUMU003005R	4,650		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE WATER DISTRIBUTION SYSTEM		LM	41,500		4,000
DISTRIBUTION LINES, 6"-10"		LM	30,000	72	(2,160)
SUPPLY LINES, 18"-24"		LM	11,500	160	(1,840)
SUPPORTING FACILITIES					394
PAVEMENTS		LS			(25)
SITE RESTORATION		LS			(21)
VALVES		EA	350	300	(105)
FIRE HYDRANTS		EA	180	1,350	(243)
SUBTOTAL					4,394
TOTAL CONTRACT COST					4,394
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					250
TOTAL REQUEST					4,644
TOTAL REQUEST (ROUNDED)					4,650
10. Description of Proposed Construction: Upgrade water supply and distribution lines in the main cantonment area of Vandenberg AFB. Includes all necessary pipelines, valves, backflow devices, blow-off and air release valves, fire hydrants, cathodic protection, appurtenances, and associated road repairs. Abandon existing system in place as necessary.					
11. REQUIREMENT: As required. <u>PROJECT:</u> Upgrade water distribution system. (Current Mission) <u>REQUIREMENT:</u> This is a Level 1 Environmental Compliance requirement. Vandenberg AFB does not meet CA Title 22, Sections 64654 and 64656 of California's safe drinking water act. Title 22 mandates that the maximum contaminant level must be less than one positive sample per every 40 samples in public water systems. Additionally, a detectable disinfectant residual of 0.2 milligrams per liter must be maintained throughout 95 percent of the system. <u>CURRENT SITUATION:</u> The water distribution system in the main cantonment area of the base was originally constructed in 1943. Since then, over 80 percent of the WWII facilities have been demolished, but the water system serving these sites remains largely active but unused causing stagnation. The network of randomly capped, abandoned and underutilized water supply lines provide recesses within the system where drinking water stagnates. This stagnation leads to loss of disinfectant residual and violates CA Title 22. Lack of disinfectant has led to bacteria growth exceeding the state bacteriological standards of 0.2 mg/l. Degradation of chloramine disinfectant during stagnation releases nutrients that certain types of bacteria thrive on, further violating CCR Title 22. Multiple line breaks in 1996 and 1997 resulted in positive bacteriological samples that led to a notice of violation (NOV) in 1997.					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
VANDENBERG AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE WATER DISTRIBUTION SYSTEM	XUMU003005R	
<u>IMPACT IF NOT PROVIDED:</u> Stagnation in the water system will continue leading to disinfectant residual degradation in violation of Health and Safety Code. Outbreaks of bacteria will lead to public "do not drink" notifications and future NOV's due to violations of CCR Title 22. These outbreaks could result in penalties or fines from an NOV and adverse impacts to the health of the base populace. <u>ADDITIONAL:</u> 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 environmental and mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared. Base Civil Engineer: Col Steven Boyce, (805) 606-8232. Upgrade Water Distribution System: 41,500LM = 136,120LF.		

1. COMPONENT	FY 2001 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	
UPGRADE WATER DISTRIBUTION SYSTEM	XUMU003005R	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Project to be accomplished by design-build procedures		
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Design Allowance	232	
(3a) Construction Contract Award Date	00 DEC	
(4) Construction Start	01 FEB	
(5) Construction Completion	02 JUL	
(6) Energy Study/Life-Cycle analysis was/will be performed	N	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
BUCKLEY AIR NATIONAL GUARD BASE, COLORADO				AIR NATIONAL GUARD				COST INDEX 1.04			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		141	798	616							1,555
b. End FY 2005		113	672	619							1,404
7. INVENTORY DATA (\$000)											
a. Total Acreage: (3,832)											
b. Inventory Total As Of: (30 SEP 99) 3,015,117											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 2,750											
e. Authorization Included In Following Program: (FY 2002) 8,600											
f. Planned In Next Three Program Years: 9,500											
g. Remaining Deficiency: 11,000											
h. Grand Total: 3,046,967											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START	CMP		
812-225	SBIRS POWER CONNECTION				LS	2,750		APR 99	SEP 00		
TOTAL:						2,750					
9a. Future Projects: Included in the Following Program (FY 2002)											
740-674	FITNESS CENTER				SM	8,600					
TOTAL:						8,600					
9b. Future Projects: Typical Planned Next Three Years:											
131-132	ADD/ALTER SBIRS MISSION				SM	6,500					
CONTROL STATION											
171-475	INDOOR SMALL ARMS RANGE				SM	3,000					
10. Mission or Major Functions: Headquarters Colorado Air National Guard; 140th Fighter Wing with F-16C/D aircraft, the 821st Space Group, a space warning squadron, and an Air Intelligence Agency Operations Support Squadron; an Army Aviation Support facility with UH-60, OH-58, and UH-1 helicopters; the Denver Naval Research Center; and the 743rd Army Intelligence Battalion.											
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										27,207	

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
BUCKLEY AIR NATIONAL GUARD BASE, COLORADO		SPACE BASED INFRARED SYSTEM POWER CONNECTION		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)	
6.44.41	812-225	CRWU013002	2,750	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
SPACE BASED INFRARED SYSTEM POWER CONNECTION	LS			2,038
ELECTRIC SWITCHING STATION	LS			(1,480)
PRIMARY UNDERGROUND DISTRIBUTION LINE	LM	742	752	(558)
SUPPORTING FACILITIES				580
UTILITIES	LS			(250)
SITE IMPROVEMENTS	LS			(70)
PAVEMENTS	LS			(90)
TESTING AND CHECKOUT	LS			(170)
SUBTOTAL				2,618
TOTAL CONTRACT COST				2,618
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				149
TOTAL REQUEST				2,767
TOTAL REQUEST (ROUNDED)				2,750
10. Description of Proposed Construction: New underground diverse routing of primary and backup 4160 volt power feeds complete with dual 2500KVA transformers and dual redundant switchgear. Reprogram existing generator control system and switchgear to allow for independent power feeds. This work includes all cabling, connections, conduit, system testing, and other associated work to provide complete power feed.				
11. REQUIREMENT: As required. PROJECT: Space based infrared system (SBIRS) power connection. (New Mission) REQUIREMENT: This project directly supports the Space Based Infrared System (SBIRS), an Air Force core modernization program. It provides for reliable primary and emergency backup power for the Mission Control Station in support of the SBIRS program. The Mission Control Station provides central processing functions for tactical and strategic space-based early warning battlespace characterization and technical intelligence gathering requirements. Backup power is required to limit downtime to five and one half minutes per year (99.999% availability) for mission critical utility loads. This new power connection is required to obtain the required power availability. CURRENT SITUATION: SBIRS will replace the Defense Support Program (DSP); however, the existing DSP power plant on site is not capable of supporting both the new and existing missions at the same time due to generator and main switchgear limitations. A Memorandum of Agreement is in place that allows both the commercial and backup power requirements to be supplied via a temporary connection to the Aerospace Data Facility power plant. This connection must be upgraded because the temporary connection is rated for 1.5 Megawatts while the SBIRS Mission Control Station requires a 2.5				

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
BUCKLEY AIR NATIONAL GUARD BASE, COLORADO		
4. PROJECT TITLE	5. PROJECT NUMBER	
SPACE BASED INFRARED SYSTEM POWER CONNECTION	CRWU013002	
Megawatt connection for full mission capability to be realized. <u>IMPACT IF NOT PROVIDED:</u> The SBIRS Mission Control Station will have no commercial or backup power beyond the five year limitation imposed by the Aerospace Data Facility. Even if the Memorandum of Agreement with the Aerospace Data Facility is extended, the temporary feeder cannot provide sufficient power for full mission capability of the SBIRS Mission Control Station. <u>ADDITIONAL:</u> There is no criteria/scope for this project 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 James Mills, (719)556-7631. Primary Underground Distribution Line: 742 LM = 2,434 LF.		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
BUCKLEY AIR NATIONAL GUARD BASE, COLORADO		
4. PROJECT TITLE	5. PROJECT NUMBER	
SPACE BASED INFRARED SYSTEM POWER CONNECTION	CRWU013002	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data: Design, Bid, Build		
(1) Status:		
(a) Date Design Started	99 APR 01	
(b) Parametric Cost Estimates used to develop costs	Y	
* (c) Percent Complete as of Jan 2000	15%	
* (d) Date 35% Designed.	99 DEC 15	
(e) Date Design Complete	00 SEP 20	
(f) Energy Study/Life-Cycle analysis was/will be performed	Y	
(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	165	
(b) All Other Design Costs	82	
(c) Total	247	
(d) Contract	207	
(e) In-house	40	
(3a) Construction Contract Award Date	00 NOV	
(4) Construction Start	01 JAN	
(5) Construction Completion	01 SEP	
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
PETERSON AIR FORCE BASE, COLORADO				AIR FORCE				COST INDEX			
				SPACE COMMAND				1.03			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		1141	1952	1745				8	7	1	4,854
b. End FY 2005		1120	1932	1777				8	7	1	4,845
7. INVENTORY DATA (\$000)											
a. Total Acreage: (1,278)											
b. Inventory Total As Of: (30 SEP 99) 2,322,743											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 13,260											
e. Authorization Included In Following Program: (FY 2002) 19,850											
f. Planned In Next Three Program Years: 35,700											
g. Remaining Deficiency: 32,262											
h. Grand Total: 2,423,815											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY						COST		DESIGN STATUS			
CODE	PROJECT TITLE	SCOPE				(\$000)	START	CMPL			
141-456	OPERATIONS SUPPORT FACILITY	950 SM				2,260	TURN	KEY			
721-312	DORMITORY	144 RM				11,000	TURN	KEY			
TOTAL:						13,260					
9a. Future Projects: Included in the Following Program (FY 2002)											
610-284	ADD TO AND ALTER USSPACECOM	3,250 SM				6,300					
HEADQUARTERS											
721-312	DORMITORY	144 RM				11,300					
911-146	MAINTAIN ACCESS MAIN GATE	7 HC				2,250					
TOTAL:						19,850					
9b. Future Projects: Typical Planned Next Three Years:											
442-758	MISSION SUPPORT WAREHOUSE	5,425 SM				9,800					
PHASE I											
721-312	DORMITORY	144 RM				12,400					
721-312	DORMITORY	144 RM				12,200					
740-674	ADD TO AND ALTER FITNESS	832 SM				1,300					
CENTER											
10. Mission or Major Functions: Headquarters United States Space Command; Headquarters Air Force Space Command; Headquarters North American Air Defense Command; Space and Warning Systems Center; a space wing with C-21 aircraft; an Air Intelligence Agency intelligence group; the Air Force Materiel Command Space Systems Support Group; and an Air Force Reserve airlift wing with one C-130 squadron and an ANG C-21 unit.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:										70,000	
b. Water pollution:										82,000	
c. Occupational safety and health:										0	
d. Other Environmental:										1,042,000	
12. Real Property Maintenance Backlog This Installation 5,747											

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION	4. PROJECT TITLE			
PETERSON AIR FORCE BASE, COLORADO	DORMITORY (144 RM)			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
3.59.96	721-312	TDKA983003	11,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (144 RM)				8,442
DORMITORY	SM	5,040	1,675	(8,442)
SUPPORTING FACILITIES				2,050
UTILITIES	LS			(750)
PAVEMENTS	LS			(600)
SITE IMPROVEMENTS	LS			(480)
RELOCATE ATHLETIC COURTS	EA	4	55,000	(220)
SUBTOTAL				10,492
TOTAL CONTRACT COST				10,492
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				598
TOTAL REQUEST				11,090
TOTAL REQUEST (ROUNDED)				11,000
10. Description of Proposed Construction: Three story, concrete foundation/floor slabs, masonry walls, standing seam metal roof. Includes room-bath-room modules with common kitchen and dining area, laundries, storage, lounge areas, mailroom, supporting facilities, and minimum antiterorism/ force protection measures. Site constraints require relocation of 4 tennis/basketball courts and rerouting of utility lines. Air Conditioning: 450 KW.				
11. REQUIREMENT: 1,207 RM ADEQUATE: 378 RM SUBSTANDARD: 204 RM PROJECT: Construct a dormitory. (Current Mission) REQUIREMENT: 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. The retention of these highly trained airmen is essential to our readiness posture and continuing world-wide presence. Peterson AFB supports both Cheyenne Mountain AFS and Schriever AFB with unaccompanied enlisted housing. CURRENT SITUATION: The base has insufficient on-base housing to accommodate the unaccompanied enlisted personnel. This project is in accordance with the Air Force Dormitory Master Plan. IMPACT IF NOT PROVIDED: Adequate living quarters which provide a level of privacy required for today's airmen will not be available, resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. ADDITIONAL: This project meets the criteria/scope specified in the new				

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
PETERSON AIR FORCE BASE, COLORADO		
4. PROJECT TITLE	5. PROJECT NUMBER	
DORMITORY (144 RM)	TDKA983003	
uniform barracks construction standard, known as "one-plus-one", established by OSD. All known alternatives were considered during the development of this project. No other option could meet mission requirements. Therefore, no economic analysis was needed or performed. FY1998 Unaccompanied Housing Real Property Maintenance Conducted: \$322K. FY1999 Unaccompanied Housing Real Property Maintenance conducted: \$302K. Future Unaccompanied Housing RPM requirements (estimated): FY00: \$320; FY01: \$332K; FY02: \$346K; FY03: \$362. Base Civil Engineer: Lt Col James Mills (719)556-7631. Dormitory: 5,040SM = 54,230 SF.		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
PETERSON AIR FORCE BASE, COLORADO		
4. PROJECT TITLE	5. PROJECT NUMBER	
DORMITORY (144 RM)	TDKA983003	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Project to be accomplished by design-build procedures		
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Design Allowance	550	
(3a) Construction Contract Award Date	00 NOV	
(4) Construction Start	01 FEB	
(5) Construction Completion	02 AUG	
(6) Energy Study/Life-Cycle analysis was/will be performed	Y	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE	
AIR FORCE									
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST	
PETERSON AIR FORCE BASE, COLORADO				AIR FORCE				COST INDEX	
				SPACE COMMAND				1.03	
6. PERSONNEL		PERMANENT		STUDENTS		SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL
a. As of 30 SEP 99		1141	1952	1745				8	7
b. End FY 2005		1120	1932	1777				8	7
								1	4,854
								8	7
								1	4,845
7. INVENTORY DATA (\$000)									
a. Total Acreage: (1,278)									
b. Inventory Total As Of: (30 SEP 99) 2,322,743									
c. Authorization Not Yet In Inventory: 0									
d. Authorization Requested In This Program: 13,260									
e. Authorization Included In Following Program: (FY 2002) 19,850									
f. Planned In Next Three Program Years: 35,700									
g. Remaining Deficiency: 32,262									
h. Grand Total: 2,423,815									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001									
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS	
CODE								START	CMPL
141-456	OPERATIONS SUPPORT FACILITY			950 SM		2,260		TURN KEY	
721-312	DORMITORY			144 RM		11,000		TURN KEY	
TOTAL:						13,260			
9a. Future Projects: Included in the Following Program (FY 2002)									
610-284	ADD TO AND ALTER USSPACECOM HEADQUARTERS			3,250 SM		6,300			
721-312	DORMITORY			144 RM		11,300			
911-146	MAINTAIN ACCESS MAIN GATE			7 HC		2,250			
TOTAL:						19,850			
9b. Future Projects: Typical Planned Next Three Years:									
442-758	MISSION SUPPORT WAREHOUSE PHASE I			5,425 SM		9,800			
721-312	DORMITORY			144 RM		12,400			
721-312	DORMITORY			144 RM		12,200			
740-674	ADD TO AND ALTER FITNESS CENTER			832 SM		1,300			
10. Mission or Major Functions: Headquarters United States Space Command; Headquarters Air Force Space Command; Headquarters North American Air Defense Command; a space wing with C-21 aircraft; the Air Force Material Command Space Systems Support Group; and an Air Force Reserve airlift wing with one C-130 squadron.									
11. Outstanding pollution and safety (OSHA) deficiencies:									
a. Air pollution:						70,000			
b. Water pollution:						82,000			
c. Occupational safety and health:						0			
d. Other Environmental:						1,042,000			
12. Real Property Maintenance Backlog This Installation 5,747									

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
PETERSON AIR FORCE BASE, COLORADO			OPERATIONS SUPPORT FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.80.19	141-456	TDKA003010	2,260		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
OPERATIONS SUPPORT FACILITY	SM	950	1,514	1,438	
SUPPORTING FACILITIES				715	
UTILITIES	LS			(240)	
PAVEMENTS	LS			(160)	
SITE IMPROVEMENTS	LS			(80)	
SECURE COMMUNICATIONS	LS			(100)	
FORCE PROTECTION MEASURES	LS			(40)	
SCIF	SM	250	380	(95)	
SUBTOTAL				2,153	
TOTAL CONTRACT COST				2,153	
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				123	
TOTAL REQUEST				2,276	
TOTAL REQUEST (ROUNDED)				2,260	
10. Description of Proposed Construction: Single story facility with concrete foundation, reinforced concrete slab on grade floor, masonry walls with brick veneer, standing seam metal roof. Includes Sensitive Compartmentalized Information Facility (SCIF) area, secure vault, entry control point, fire protection, force protection measures, communications, sitework, and all other support. Air Conditioning: 30 KW.					
11. REQUIREMENT: 950 SM ADEQUATE: 0 SUBSTANDARD: 515 SM PROJECT: Construct an operations support facility. (Current Mission) REQUIREMENT: An adequate, energy efficient, properly configured, secure facility is required to house 50 personnel from the 544th Intelligence Group (IG). A SCIF and support space is needed for operation and maintenance functions, communication centers, security measures, and support functions for Air Intelligence Agency operations. Increased space requirements resulted from expanded mission responsibilities with 14th Air Force and 21st Space Wing, and growth of space units under the control of the 544 IG. CURRENT SITUATION: The 544th Intelligence Group occupies 515 SM of the first floor of Building 845, the 21st Space Wing Headquarters Facility. At their current manning level of 35 personnel, the 544 IG uses all the available space in this building. There are 27 people working in support space and 8 people working in a secure vault. There is no more room for the additional personnel which require both SCIF and support space for the group's operations. In addition, there is no more SCIF space available on Peterson AFB. IMPACT IF NOT PROVIDED: The 544 IG will be forced to disperse additional					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
PETERSON AIR FORCE BASE, COLORADO		
4. PROJECT TITLE	5. PROJECT NUMBER	
OPERATIONS SUPPORT FACILITY	TDKA003010	
personnel to other facilities on base, adversely affecting command and control and decreasing unit productivity. The 544 IG SCIF operations will be forced to be conducted in approximately 1/2 the actual secure space required for effective operations. Inadequate SCIF and support space will prevent the 544 IG from effectively performing its mission. <u>ADDITIONAL:</u> 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, building expansion, new construction, finding alternative space, and leasing) has been accomplished. Results of this analysis indicate only one option, new construction, will meet all operational requirements. Accordingly, a full economic analysis was not performed. A Certificate of Exception has been prepared. Base Civil Engineer: Lt Col James Mills (719) 556-7631. Operations Support Facility: 950SM = 10,222SF.		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
PETERSON AIR FORCE BASE, COLORADO		
4. PROJECT TITLE	5. PROJECT NUMBER	
OPERATIONS SUPPORT FACILITY	TDKA003010	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Project to be accomplished by design-build procedures		
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Design Allowance	113	
(3a) Construction Contract Award Date	00 NOV	
(4) Construction Start	01 JAN	
(5) Construction Completion	01 DEC	
(6) Energy Study/Life-Cycle analysis was/will be performed	Y	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
SCHRIEVER AIR FORCE BASE, COLORADO				AIR FORCE				COST INDEX			
				SPACE COMMAND				1.08			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		674	1392	479							2,545
b. End FY 2005		667	1328	514							2,509
7. INVENTORY DATA (\$000)											
a. Total Acreage: (4,172)											
b. Inventory Total As Of: (30 SEP 99) 2,568,742											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 8,450											
e. Authorization Included In Following Program: (FY 2002) 18,500											
f. Planned In Next Three Program Years: 6,600											
g. Remaining Deficiency: 31,212											
h. Grand Total: 2,633,504											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY		PROJECT TITLE				SCOPE		COST (\$000)		DESIGN STATUS	
CODE										START	CMPL
610-243	ADD TO OPERATIONAL SUPPORT FACILITY					4,450 SM		8,450		TURN KEY	
TOTAL:								8,450			
9a. Future Projects: Included in the Following Program (FY 2002)											
131-132	SBIRS MISSION CONTROL STATION BACKUP					4,894 SM		18,500			
TOTAL:								18,500			
9b. Future Projects: Typical Planned Next Three Years:											
442-758	SECURE AREA LOGISTICS COMPLEX					6,000 SM		6,600			
10. Mission or Major Functions: A space wing; the Space Warfare Center; the Air Force Space Battlelab; an intelligence squadron; an AF Reserves space group; the JOINT National Test Bed.											
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										14,912	

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
SCHRIEVER AIR FORCE BASE, COLORADO		ADD TO OPERATIONAL SUPPORT FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)	
3.59.96	610-243	GLEN983007C	8,450	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ADD TO OPERATIONAL SUPPORT FACILITY	SM	4,450	1,370	6,097
SUPPORTING FACILITIES				1,915
UTILITIES	LS			(485)
SITE IMPROVEMENTS	LS			(200)
PAVEMENTS	LS			(340)
ELECTRICAL SUBSTATION	LS			(550)
DEMOLITION	SM	5,670	60	(340)
SUBTOTAL				8,012
TOTAL CONTRACT COST				8,012
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				457
TOTAL REQUEST				8,469
TOTAL REQUEST (ROUNDED)				8,450
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab. Steel framed structure with roofing system and exterior finish that matches the existing facility. Elevator, utilities, fire suppression, parking, and all necessary support are included. Provide minimum antiterrorism/force protection measures. Demolish remaining Government owned modular facilities (5,670 SM). Air Conditioning: 370 KW.				
11. REQUIREMENT: 14,775 SM ADEQUATE: 10,325 SM SUBSTANDARD: 4,450 SM PROJECT: Construct an addition to the Operational Support Facility. (Current Mission) REQUIREMENT: Permanent, adequately sized work space is required for supporting Air Force satellite operations. To meet mission growth requirements, support space must be constructed to free-up operational space in expensive technical facilities. Specifically, this project will provide space for the Contracting function which oversees mission critical contracts supporting the Air Force Satellite Control Network (AFSCN), the Space Warfare Center, the Cheyenne Mountain Training System, five solar observatories, and remote site integration. This project also provides a permanent facility for Detachment 11, Space and Missile Systems Center to provide on-site integrated engineering services to support Air Force satellite systems, the Space Warfare Center, the Defense Support Program (DSP), the Global Positioning System (GPS), and the MILSTAR Satellite Communications System (MILSATCOM). This project will also provide space for the Consolidated Program Management Office, the Defense Security Service, and the Air Force Office of Special Investigation. CURRENT SITUATION: Schriever AFB has experienced substantial mission				

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
SCHRIEVER AIR FORCE BASE, COLORADO		
4. PROJECT TITLE		5. PROJECT NUMBER
ADD TO OPERATIONAL SUPPORT FACILITY		GLEN983007C
growth with the increasing presence of DoD satellite programs. During this time, there has been little corresponding growth in infrastructure. Requirements now far exceed the space available. The functions described are forced to occupy temporary facilities or are using facilities designed for technical requirements. These temporary facilities are six and eleven years old and are absorbing many times the costs required to operate and maintain permanent facilities. During the first five years, the annual costs averaged \$75,000. However, over the last three years, annual maintenance and repair costs have exceeded \$250,000. The largest temporary facility consists of approximately 67 trailers bolted together placed on concrete block columns. The unstable foundation requires the use of scarce operations and maintenance funds to correct severe settling problems. Insufficient insulation and inefficient heating and air conditioning results in wasted energy and large utility bills, contrary to DoD goals. Roof leaks are a constant problem, hampering the mission and damaging equipment. Foundation settlement under the columns, cracked columns, uneven floors, broken tie-down anchors, and buckled roof sheathing are some of the safety problems experienced. In May 1995, an architectural/engineering study addressed these issues and identified over one million dollars in repair costs. <u>IMPACT IF NOT PROVIDED:</u> The follow-on engineering and contracting support functions for the diversified DoD satellite missions will continue to be housed in degraded temporary facilities with mission disruption and forced work-arounds. As these temporary facilities age, they will further deteriorate, incurring additional operation and maintenance costs of up to \$400,000 per year. <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, 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 Carmelo Cruz, (719)567-4200. Add to Operational Support Facility: 4,450 SM = 47,899 SF.		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)	2. DATE
3. INSTALLATION AND LOCATION SCHRIEVER AIR FORCE BASE, COLORADO		
4. PROJECT TITLE ADD TO OPERATIONAL SUPPORT FACILITY	5. PROJECT NUMBER GLEN983007C	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Project to be accomplished by design-build procedures		
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Design Allowance	422	
(3a) Construction Contract Award Date	00 DEC	
(4) Construction Start	01 MAR	
(5) Construction Completion	02 JUN	
(6) Energy Study/Life-Cycle analysis was/will be performed	Y	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)					2. DATE				
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND			5. AREA CONST				
UNITED STATES AIR FORCE ACADEMY, COLORADO				UNITED STATES AIR FORCE ACADEMY			COST INDEX 1.03				
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		940	1026	1914		182		21	4000	190	8,273
b. End FY 2005		925	870	1336		182		21	4000	190	7,524
7. INVENTORY DATA (\$000)											
a. Total Acreage: (53,276)											
b. Inventory Total As Of: (30 SEP 99) 426,428											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 18,960											
e. Authorization Included In Following Program: (FY 2002) 17,944											
f. Planned In Next Three Program Years: 0											
g. Remaining Deficiency: 36,490											
h. Grand Total: 499,822											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY						COST		DESIGN STATUS			
CODE	PROJECT TITLE	SCOPE				(\$000)	START	CMPL			
171-157	ADD TO ATHLETIC FACILITY	10,219 SM				18,960	TURN KEY				
TOTAL:						18,960					
9a. Future Projects: Included in the Following Program (FY 2002)											
171-157	ADAL ATHLETIC FACILITY	4,758 SM				10,700					
171-853	UPGRADE ACADEMIC FACILITY, PH4	18,183 SM				7,244					
TOTAL:						17,944					
9b. Future Projects: Typical Planned Next Three Years:											
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 74,374											

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
UNITED STATES AIR FORCE ACADEMY, COLORADO			ADD TO ATHLETIC FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
8.58.96	171-157	XQPZ974011	18,960		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
ADD TO ATHLETIC FACILITY		SM	10,219	1,504	15,369
SUPPORTING FACILITIES					2,375
UTILITIES		LS			(985)
PAVEMENTS		LS			(760)
SITE IMPROVEMENTS		LS			(630)
SUBTOTAL					17,744
TOTAL CONTRACT COST					17,744
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					1,011
TOTAL REQUEST					18,755
TOTAL REQUEST (ROUNDED)					18,960
10. Description of Proposed Construction: Foundation, perimeter walls, floor slab, and roof to match existing architecture of aluminum, glass, concrete, and stone. Provide all necessary support. Air Conditioning: 530 KW.					
11. REQUIREMENT: As required. PROJECT: Athletic facility. (Current Mission) REQUIREMENT: Resolve space and code deficiencies and progress toward meeting gender equity requirements of the National Collegiate Athletic Association (NCAA) and the Mountain West Conference. Construct new facility to resolve space and functional deficiencies and to allow the (FY02 MILCON) Phase 2, gender equity, reconfigurations within the Field House. Construct space for sports medicine, weight training, sports program offices, lockers, team meeting areas, athlete study area, sports and athletic education area, administrative offices, and storage. CURRENT SITUATION: All cadets participate in physical education and either intramural or intercollegiate athletic competition. The existing cadet athletic facilities were built to accommodate male cadet sports and athletic programs. When female cadets entered the Academy, no additional space was provided. All ten women's sports intercollegiate teams have been elevated to NCAA Division I competition and the facility requirements (namely locker rooms and coaches offices) for women's programs have increased as a result. Visiting teams either dress in hotel rooms, when available, or in make-shift areas because of the lack of a women's visiting team locker room. There are not enough locker rooms to accommodate men and women referees and multiple teams. Training and medical treatment areas are inadequate. The lack of private examining					

1. COMPONENT	FY 2001 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 ATHLETIC FACILITY	XQPZ974011	
rooms and insufficient treatment and rehabilitation space results in crowded and unprofessional conditions and less than optimum treatment. The existing weight rooms are too small to meet the number of cadets requiring strength training. Due to the space shortage, teams must be scheduled for less time in the weight rooms than needed, diminishing the effectiveness of the training and adversely affecting cadets' fitness and strength. The medical and strength training shortfalls are further exacerbated by educational constraints; with the institutional schedule of classes and meals, all athletes must be scheduled for the weight and medical training rooms during a single 4-hour block in the afternoon. Accessibility and utility code deficiencies require mitigation. <u>IMPACT IF NOT PROVIDED:</u> Locker and medical/training rooms have NCAA gender-equity deficiencies and fall short of NCAA Division I standards. Space and program shortfalls will be written up as deficiencies in the year 2000 NCAA certification visit to the Academy. Athletic training shortfalls preclude effective injury prevention work and result in less than ideal treatment and rehabilitation results. Personnel will continue to be exposed to accessibility, heating, ventilation, and air conditioning code deficiencies. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Air Force Handbook 32-1084, "Facility Requirements." However, the requirements for this project were developed by an engineering study and validated by an independent AFCEE team. All known 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. Resolution of gender equity and other deficiencies will only be achieved after completion of this project and the FY02 Phase 2 project. Base Civil Engineer: Col Susanne Waylett (719) 333-2660. Athletic Facilities: 10,219 SM = 110,000 SF		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)	2. DATE
3. INSTALLATION AND LOCATION UNITED STATES AIR FORCE ACADEMY, COLORADO		
4. PROJECT TITLE ADD TO ATHLETIC FACILITY	5. PROJECT NUMBER XQPZ974011	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Project to be accomplished by design-build procedures		
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Design Allowance	948	
(3a) Construction Contract Award Date	00 NOV	
(4) Construction Start	01 JAN	
(5) Construction Completion	02 DEC	
(6) Energy Study/Life-Cycle analysis was/will be performed	Y	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 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 0.95	
6. PERSONNEL		PERMANENT		STUDENTS		SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL
a. As of 30 SEP 99		382	1251	722				301	784
b. End FY 2005		381	1234	706				301	784
								40	3,446
7. INVENTORY DATA (\$000)									
a. Total Acreage: (607)									
b. Inventory Total As Of: (30 SEP 99) 2,520,903									
c. Authorization Not Yet In Inventory: 0									
d. Authorization Requested In This Program: 4,520									
e. Authorization Included In Following Program: (FY 2002) 6,409									
f. Planned In Next Three Program Years: 0									
g. Remaining Deficiency: 18,500									
h. Grand Total: 2,550,332									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001									
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS	
CODE								START	CMPL
740-884	CHILD DEVELOPMENT CENTER			2,550 SM		4,520		JAN 99	SEP 00
TOTAL:						4,520			
9a. Future Projects: Included in the Following Program (FY 2002)									
610-282	HERITAGE HALL			4,314 SM		6,409			
TOTAL:						6,409			
9b. Future Projects: Typical Planned Next Three Years:									
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 Investigations; Air Force Office of Scientific Research; Air Force Real Estate Agency; Air Force Legal Services Agency; Air Force Medical Operating Agency; USAF Band; USAF Honor Guard; a support wing, the Defense Intelligence Agency, and an intelligence group.									
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								2,650	

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
BOLLING AIR FORCE BASE WASHINGTON, DC			CHILD DEVELOPMENT CENTER		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
9.12.12	740-884	BXUR980010	4,520		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
CHILD DEVELOPMENT CENTER		SM	2,550	1,370	3,494
SUPPORTING FACILITIES					770
UTILITIES		LS			(310)
SITE IMPROVEMENTS		LS			(110)
PAVEMENTS		LS			(120)
PLAYGROUND EQUIPMENT		LS			(230)
SUBTOTAL					4,264
TOTAL CONTRACT COST					4,264
SUPERVISION, INSPECTION AND OVERHEAD (6%)					256
TOTAL REQUEST					4,520
TOTAL REQUEST (ROUNDED)					4,520
10. Description of Proposed Construction: Reinforced concrete foundation, floor slab, masonry walls, roof system, fire protection, all utilities, site preparation including partial demolition of existing tennis courts, perimeter fence, and all necessary support amenities. Functional areas include reception area, multi-purpose child care rooms, rest rooms, kitchen, and playground. Air Conditioning: 180 KW.					
11. REQUIREMENT: 5,122 SM ADEQUATE: 1,506 SM SUBSTANDARD: 1,055 SM PROJECT: Construct a child development center. (Current Mission) REQUIREMENT: This facility requirement is in accordance with the Military Child Care Act of 1989. A properly sized child development center is required to provide supervised care and a development experience for dependent children aged six weeks through five years. The facility must provide a comfortable, clean, educational environment where military service members and DOD civilians can leave their children on an hourly, daily, or part-time basis, and provide secure and early developmental care for children. CURRENT SITUATION: The existing CDC was built in 1979. The capacity is limited to 104 children. The center has a waiting list of over 350 children. Because of the large number of children, the center is filled to capacity early each morning, requiring parents in need of child care to find other providers in the civilian community. Additional space is needed. Total child care need is 619 spaces. With completion of a previous MILCON project we will meet only 39% of the need, far short of DoD's 65% by 2002 standard. This project will bring us to 544 spaces or 88% of the need. By the year 2005, DoD requires that we meet 80% of the					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
BOLLING AIR FORCE BASE WASHINGTON, DC		
4. PROJECT TITLE	5. PROJECT NUMBER	
CHILD DEVELOPMENT CENTER	BXUR980010	
need. Without the new facility, Bolling AFB will continue to be out of compliance. <u>IMPACT IF NOT PROVIDED:</u> Military personnel and their dependents will continue to use inadequate facilities and the waiting list will continue to grow. Lack of quality child care will contribute to personnel absenteeism, low morale, and has a negative impact on the military and civilian work force. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements" and DODI 6060.2, "Child Development Center Programs," published January 1993. An economic analysis was prepared comparing the alternatives of status quo, expansion, and new construction. Expansion was the recommended alternative that would provide the additional space needed at the Child Development Center at the lower life cycle cost. Base Civil Engineer: Col Randall Thady (202) 767-5566. Child Development Center: 2,550 SM = 27,438 SF		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
BOLLING AIR FORCE BASE WASHINGTON, DC		
4. PROJECT TITLE	5. PROJECT NUMBER	
CHILD DEVELOPMENT CENTER	BXUR980010	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data: Design, Bid, Build		
(1) Status:		
(a) Date Design Started	99 JAN 22	
(b) Parametric Cost Estimates used to develop costs	Y	
* (c) Percent Complete as of Jan 2000	15%	
* (d) Date 35% Designed.	99 DEC 30	
(e) Date Design Complete	00 SEP 15	
(f) Energy Study/Life-Cycle analysis was/will be performed	Y	
(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	271	
(b) All Other Design Costs	135	
(c) Total	406	
(d) Contract	339	
(e) In-house	67	
(3a) Construction Contract Award Date	01 JUL	
(4) Construction Start	01 AUG	
(5) Construction Completion	03 FEB	
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
EGLIN AIR FORCE BASE, FLORIDA				AIR FORCE				COST INDEX			
				MATERIEL COMMAND				0.82			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		1286	5622	3289				55	276	370	10,898
b. End FY 2005		1253	5532	3181				55	276	370	10,667
7. INVENTORY DATA (\$000)											
a. Total Acreage: (453,594)											
b. Inventory Total As Of: (30 SEP 99) 3,800,352											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 8,940											
e. Authorization Included In Following Program: (FY 2002) 10,800											
f. Planned In Next Three Program Years: 9,700											
g. Remaining Deficiency: 71,800											
h. Grand Total: 3,901,592											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY											
CODE		PROJECT TITLE				SCOPE		COST (\$000)		DESIGN STATUS START CMPL	
212-213		PRECISION GUIDED MUNITIONS MAINTENANCE FACILITY				1,162 SM		3,340		TURN KEY	
721-312		UPGRADE DORMITORY				72 RM		5,600		TURN KEY	
TOTAL:								8,940			
9a. Future Projects: Included in the Following Program (FY 2002)											
390-915		COMMAND & CONTROL TEST OPERATIONS CENTER				6,224 SM		10,800			
TOTAL:								10,800			
9b. Future Projects: Typical Planned Next Three Years:											
141-165		EXPLOSIVE ORDNANCE DISPOSAL COMPLEX				1,183 SM		2,200			
730-441		TRAINING AND EDUCATION CENTER				4,366 SM		7,500			
10. Mission or Major Functions: Air Armament Center(AAC) is responsible for development, acquisition, testing, deployment and sustainment of conventional and nuclear air-delivered weapons. Units at Eglin are a test wing, an air base wing, a fighter wing with F-15s, the UAV Battlelab, and a space surveillance squadron.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:								3,550,000			
b. Water pollution:								3,150,000			
c. Occupational safety and health:								0			
d. Other Environmental:								0			
12. Real Property Maintenance Backlog This Installation										17,596	

1. COMPONENT		2. DATE	
AIR FORCE		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	
3. INSTALLATION AND LOCATION		4. PROJECT TITLE	
EGLIN AIR FORCE BASE, FLORIDA		PRECISION GUIDED MUNITIONS MAINTENANCE FACILITY	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)
7.28.06	212-213	FTFA963030	3,340
9. COST ESTIMATES			
ITEM	U/M	QUANTITY	COST (\$000)
PRECISION GUIDED MUNITIONS MAINTENANCE FACILITY	SM	1,162	2,022
SUPPORTING FACILITIES			1,142
UTILITIES	LS		(350)
SITE IMPROVEMENTS	LS		(150)
PAVEMENTS	LS		(250)
INTRUSION DETECTION SYSTEM	LS		(50)
RELOCATE BUILDING 1279	LS		(250)
DEMOLITION	SM	767	(92)
SUBTOTAL			3,164
TOTAL CONTRACT COST			3,164
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)			180
TOTAL REQUEST			3,344
TOTAL REQUEST (ROUNDED)			3,340
10. Description of Proposed Construction: Reinforced concrete and masonry walls, sloped metal roof, high bay roll up doors (four bays), hoists, concrete vault, paint room and administration areas. Includes paint room emission reduction system, power converter to simulate aircraft power and explosives safety items, and all necessary support. Demolish one facility (767 SM). Air Conditioning: 279 KW.			
11. REQUIREMENT: 2,036 SM ADEQUATE: 874 SM SUBSTANDARD: 767 SM PROJECT: Construct a precision guided munitions (PGM) maintenance facility. (Current Mission) REQUIREMENT: A facility is required to support maintenance on developmental precision guided munitions and missile systems. The proposed multi-bay facility will be used to assemble, repair, test and inspect all guided munitions assets in a central location. Includes wide bay doors to accommodate all-up-round (AUR) containers, and substantial dividing walls and other explosive safety standards requirements to allow multiple munitions operations and support/administrative functions to continue during explosive operations. This facility will allow the Air Force to move leading edge technology programs such as AIM-9X, Advanced Medium Range Air-To-Air Missile (AMRAAM), AGM-130, and Miniature Munitions Technology Development (MMTD) out of substandard facilities. Relocate existing storage shed to another location. CURRENT SITUATION: The existing facilities currently used for missile and PGM maintenance are outdated, too small and not designed to support increasing PGM and missile maintenance workloads. The facilities do not have the required pneumatic and electrical systems and the bay doors are			

1. COMPONENT	FY 2001 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	
PRECISION GUIDED MUNITIONS MAINTENANCE FACILITY	FTFA963030	
not large enough to accommodate the AUR containers. The combination of facility construction and explosive safety rules prevent simultaneous explosive and non-explosive operations, causing delays and lost productivity. These facilities are overcrowded and lack the environmental controls required to perform timely corrosion control within the munitions storage area. Assets must be scheduled with an outside agency and then loaded, transported, prepped, and painted, and finally returned to service. <u>IMPACT IF NOT PROVIDED:</u> Precision-guided munitions maintenance support will continue to be performed in existing inadequate facilities. Munitions technicians will continue to work around obstacles and build work-arounds into their procedures. <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, 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 Quincy Purvis, (850) 882-2876. Precision Guided Munitions Maintenance Facility: 1,162SM = 12,504SF.		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)	2. DATE
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE	5. PROJECT NUMBER	
PRECISION GUIDED MUNITIONS MAINTENANCE FACILITY	FTFA963030	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Project to be accomplished by design-build procedures		
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Design Allowance	167	
(3a) Construction Contract Award Date	00 DEC	
(4) Construction Start	01 FEB	
(5) Construction Completion	02 JUN	
(6) Energy Study/Life-Cycle analysis was/will be performed	Y	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)					2. DATE	
AIR FORCE								
3. INSTALLATION AND LOCATION			4. COMMAND			5. AREA CONST		
EGLIN AIR FORCE BASE, FLORIDA			AIR FORCE			COST INDEX		
			MATERIEL COMMAND			0.82		
6. PERSONNEL		PERMANENT		STUDENTS		SUPPORTED		
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		1286	5622	3289			55	276 370 10,898
b. End FY 2005		1253	5532	3181			55	276 370 10,667
7. INVENTORY DATA (\$000)								
a. Total Acreage: (453,594)								
b. Inventory Total As Of: (30 SEP 99) 3,800,352								
c. Authorization Not Yet In Inventory: 0								
d. Authorization Requested In This Program: 8,940								
e. Authorization Included In Following Program: (FY 2002) 10,800								
f. Planned In Next Three Program Years: 9,700								
g. Remaining Deficiency: 71,800								
h. Grand Total: 3,901,592								
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001								
CATEGORY				COST		DESIGN STATUS		
CODE	PROJECT TITLE	SCOPE		(\$000)	START	Cmpl		
212-213	PRECISION GUIDED MUNITIONS	1,162 SM		3,340	TURN KEY			
	MAINTENANCE FACILITY							
721-312	UPGRADE DORMITORY	72 RM		5,600	TURN KEY			
TOTAL:				8,940				
9a. Future Projects: Included in the Following Program (FY 2002)								
390-915 COMMAND & CONTROL TEST		6,224 SM		10,800				
OPERATIONS CENTER								
TOTAL:				10,800				
9b. Future Projects: Typical Planned Next Three Years:								
141-165 EXPLOSIVE ORDNANCE DISPOSAL		1,183 SM		2,200				
COMPLEX								
730-441 TRAINING AND EDUCATION CENTER		4,366 SM		7,500				
10. Mission or Major Functions: Air Armament Center(AAC) is responsible for development, acquisition, testing, deployment and sustainment of conventional and nuclear air-delivered weapons. Units at Eglin are a test wing, an air base wing, a fighter wing with F-15s, the UAV Battlelab, and a space surveillance squadron.								
11. Outstanding pollution and safety (OSHA) deficiencies:								
a. Air pollution:				3,550,000				
b. Water pollution:				3,150,000				
c. Occupational safety and health:				0				
d. Other Environmental:				0				
12. Real Property Maintenance Backlog This Installation 17,596								

1. COMPONENT		2. DATE	
FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			
3. INSTALLATION AND LOCATION		4. PROJECT TITLE	
EGLIN AIR FORCE BASE, FLORIDA		UPGRADE DORMITORY (72 RM)	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
7.28.06	721-312	FTFA003009	5,600
9. COST ESTIMATES			
ITEM	U/M	QUANTITY	COST (\$000)
UPGRADE DORMITORY (72 RM)	SM	2,800	2,408
SUPPORTING FACILITIES			2,900
UTILITIES	LS		(150)
SITE IMPROVEMENTS	LS		(50)
ASBESTOS REMOVAL	LS		(300)
REPLACE ROOF	LS		(2,400)
SUBTOTAL			5,308
TOTAL CONTRACT COST			5,308
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)			303
TOTAL REQUEST			5,611
TOTAL REQUEST (ROUNDED)			5,600
10. Description of Proposed Construction: Convert existing dormitory to room-bath/kitchen-room modules and upgrade mechanical and electrical systems, interior and exterior finishes, bathroom fixtures, laundry rooms, and fire protection of Wing 'D' building 19. Includes asbestos removal, utilities, pavements, site improvements, replace existing roof system, and all necessary support. Air Conditioning: 310 KW. Grade Mix: 72 E1-E4.			
11. REQUIREMENT: 1,049 RM ADEQUATE: 534 RM SUBSTANDARD: 588 RM PROJECT: Upgrade dormitory. (Current Mission) REQUIREMENT: A major Air Force objective is to 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. CURRENT SITUATION: The facility to be upgraded was constructed in 1954. The existing inadequate heating, ventilation and air conditioning (HVAC) system for this dormitory has created a warm, moist environment that promotes mold and mildew growth, making living conditions unhealthy. The existing HVAC system consists of individual fan-coil cooling units which are suspended from the ceiling. These individual fan-coil units do not provide adequate cooling capacity or humidity control for living quarters, are difficult to maintain, waste energy, are noisy, and often drip condensed moisture onto the carpet, room furnishings, and personal belongings of the occupants. The roof leaks into the rooms and compounds moisture and mildew problems. There are collapsed ceilings, rotted pipes,			

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE DORMITORY (72 RM)	FTFA003009	
and ruined interior finishes. Television, telephone and electrical conduits run along exterior walls, creating safety and maintenance problems. Bathroom exhaust fans are inadequately sized and improperly located to ventilate odors and moisture. The water heaters and distribution systems are inefficient, taking too long to deliver hot water to the bathrooms. Asbestos containing materials pose a health hazard to dorm occupants and operations and maintenance personnel. The existing facility also does not comply with the new uniform barracks construction standards. <u>IMPACT IF NOT PROVIDED:</u> Substandard living conditions will persist and morale, productivity, and career satisfaction of the enlisted force will continue to be degraded. This facility will require increased maintenance and will continue to fail to meet DoD standards and national building code requirements. <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 the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. FY 1998 Unaccompanied Housing RPM conducted: \$768K. FY 1999 Unaccompanied Housing RPM conducted: \$780K. Future Unaccompanied Housing RPM conducted (estimated): FY00: \$810K; FY01: \$840K; FY02: \$880K; FY03: \$900K. Base Civil Engineer: Col Quincy Purvis, (805) 882-2876. Upgrade dormitory: 2,800SM = 30,128SF.		

1. COMPONENT	FY 2001 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	
UPGRADE DORMITORY (72 RM)	FTFA003009	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Project to be accomplished by design-build procedures		
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Design Allowance	280	
(3a) Construction Contract Award Date	00 DEC	
(4) Construction Start	01 FEB	
(5) Construction Completion	02 OCT	
(6) Energy Study/Life-Cycle analysis was/will be performed	Y	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)					2. DATE	
AIR FORCE								
3. INSTALLATION AND LOCATION				4. COMMAND		5. AREA CONST		
EGLIN AUXILIARY FIELD NO 9, FLORIDA				AIR FORCE SPECIAL OPERATIONS COMMAND		COST INDEX 0.82		
6. PERSONNEL		PERMANENT		STUDENTS		SUPPORTED		
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		1118	5653	531		21		8,562
b. End FY 2005		1142	5609	536		22		8,548
7. INVENTORY DATA (\$000)								
a. Total Acreage: (6,634)								
b. Inventory Total As Of: (30 SEP 99) 190,548								
c. Authorization Not Yet In Inventory: 0								
d. Authorization Requested In This Program: 7,960								
e. Authorization Included In Following Program: (FY 2002) 6,409								
f. Planned In Next Three Program Years: 19,300								
g. Remaining Deficiency: 0								
h. Grand Total: 224,217								
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001								
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)	DESIGN STATUS	
CODE							START	CMPL
851-147	UPGRADE ACCESS ROADS			LS	5,600		JAN 99	AUG 00
851-147	DEFENSE ACCESS ROAD			3,140 SM	2,360		JAN 99	SEP 00
TOTAL:					7,960			
9a. Future Projects: Included in the Following Program (FY 2002)								
130-835	ADD TO SECURITY FORCE			375 SM	1,475			
OPERATIONS FACILITY								
131-111	ADD/ALTER BASE NETWORK CONTROL			1,850 SM	2,567			
CENTER COMPLEX								
730-142	FIRE STATION			1,700 SM	2,367			
TOTAL:					6,409			
9b. Future Projects: Typical Planned Next Three Years:								
721-312	DORMITORY			144 RM	9,900			
721-312	DORMITORY			144 RM	9,400			
10. Mission or Major Functions: Headquarters 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; air ground operations school, 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							34,476	

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
EGLIN AUX FIELD 9, FLORIDA			DEFENSE ACCESS ROAD		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.75.96.F	851-147	FTEV003005	2,360		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DEFENSE ACCESS ROAD		LS			1,147
ROAD		SM	3,100	370	(1,147)
SUPPORTING FACILITIES					1,085
ACCESS CONTROLS		LS			(100)
LAND AQUISITION (RIGHT OF WAY)		LS			(385)
WETLANDS MITIGATION		LS			(600)
SUBTOTAL					2,232
TOTAL CONTRACT COST					2,232
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					127
TOTAL REQUEST					2,359
TOTAL REQUEST (ROUNDED)					2,360
10. Description of Proposed Construction: Site preparation, 2 inch asphalt pavement, curbs, gutters, and sidewalks. Relocate utilities and traffic signals. Provide storm drainage. Includes aquisition of right-of-way, demolition, and necessary disposal.					
11. REQUIREMENT: As required.					
PROJECT: Upgrade access roads. (Current Mission).					
REQUIREMENT: Base road system improvements are needed to support increased traffic resulting from Special Operations Forces (SOF) revitalization. The lack of capacity causes significant traffic delays during rush hour, requiring the use of additional personnel to direct traffic. A new Defense Access Road is urgently needed. This requirement has been certified as important to national defense, per Title 23 USC 210, necessitated by expansion of existing Air Force activities which result in a significant impact on the adjacent highways.					
CURRENT SITUATION: The existing road system was constructed for a base population of 2000 to 3000 personnel. The base population has tripled since then. A new east side community center has attracted many retired and active duty patrons and increased traffic flow dramatically. The present road network cannot adequately support the increased traffic flows. Traffic counts have increased by 22 percent at the main gate and over 190 percent at the east gate in the past five years.					
IMPACT IF NOT PROVIDED: Unacceptable levels of congestion will occur due to increased traffic through the east gate. Traffic accidents and pedestrian hazards at intersections will worsen as traffic volumes increase. There have been 27 traffic accidents at the intersection of Lovejoy and Hill Avenues in the past two years.					
ADDITIONAL: This project meets the criteria specified in Air Force					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION EGLIN AUX FIELD 9, FLORIDA		
4. PROJECT TITLE	5. PROJECT NUMBER	
DEFENSE ACCESS ROAD	FTEV003005	
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 performed. A certificate of exception has been prepared. Funds to provide the Defense Access Road are required under authorization contained in Title 23 USC 210, as amended. BASE CIVIL ENGINEER: Lt Col Hamill (850) 884-7701. Defense Access Road: 3140 SM = 3770 SY		

1. COMPONENT	FY 2001 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	
DEFENSE ACCESS ROAD	FTEV003005	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data: Design, Bid, Build		
(1) Status:		
(a) Date Design Started	99 JAN 01	
(b) Parametric Cost Estimates used to develop costs	Y	
*(c) Percent Complete as of Jan 2000	35%	
*(d) Date 35% Designed.	00 JAN 01	
(e) Date Design Complete	00 SEP 30	
(f) Energy Study/Life-Cycle analysis was/will be performed		
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)	
(a) Production of Plans and Specifications	142	
(b) All Other Design Costs	70	
(c) Total	212	
(d) Contract	192	
(e) In-house	20	
(3a) Construction Contract Award Date	01 JAN	
(4) Construction Start	01 MAR	
(5) Construction Completion	01 SEP	
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE	
AIR FORCE									
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST	
EGLIN AUXILIARY FIELD NO 9, FLORIDA				AIR FORCE SPECIAL OPERATIONS COMMAND				COST INDEX 0.82	
6. PERSONNEL		PERMANENT		STUDENTS		SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL
a. As of 30 SEP 99		1118	5653	531		21		617	549
b. End FY 2005		1142	5609	536		22		617	549
								73	8,548
7. INVENTORY DATA (\$000)									
a. Total Acreage: (6,634)									
b. Inventory Total As Of: (30 SEP 99) 190,548									
c. Authorization Not Yet In Inventory: 0									
d. Authorization Requested In This Program: 7,960									
e. Authorization Included In Following Program: (FY 2002) 6,409									
f. Planned In Next Three Program Years: 19,300									
g. Remaining Deficiency: 0									
h. Grand Total: 224,217									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001									
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS	
CODE								START	CMPL
851-147	UPGRADE ACCESS ROADS			LS	5,600	JAN 99	AUG 00		
851-147	DEFENSE ACCESS ROAD			3,140 SM	2,360	JAN 99	SEP 00		
TOTAL:					7,960				
9a. Future Projects: Included in the Following Program (FY 2002)									
130-835	ADD TO SECURITY FORCE			375 SM	1,475				
	OPERATIONS FACILITY								
131-111	ADD/ALTER BASE NETWORK CONTROL			1,850 SM	2,567				
	CENTER COMPLEX								
730-142	FIRE STATION			1,700 SM	2,367				
TOTAL:					6,409				
9b. Future Projects: Typical Planned Next Three Years:									
721-312	DORMITORY			144 RM	9,900				
721-312	DORMITORY			144 RM	9,400				
10. Mission or Major Functions: Headquarters 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; air ground operations school, 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								34,476	

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
EGLIN AUX FIELD 9, FLORIDA			UPGRADE ACCESS ROADS		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
2.75.96	851-147	FTEV943011	5,600		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE ACCESS ROADS		LS			3,459
IMPROVE CODY AVENUE		SM	31,000	49	(1,519)
IMPROVE INDEPENDENCE ROAD		SM	35,500	49	(1,740)
REPLACE GUARD HOUSE/RELOCATE FENCE		LS			(200)
SUPPORTING FACILITIES					1,825
UTILITIES RELOCATION		LS			(525)
SITE IMPROVEMENTS		LS			(1,100)
DEMOLITION		LS			(200)
SUBTOTAL					5,284
TOTAL CONTRACT COST					5,284
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					301
TOTAL REQUEST					5,585
TOTAL REQUEST (ROUNDED)					5,600
10. Description of Proposed Construction: Widen Independence Rd from east gate, widen Cody Ave with median and turn lanes, realign Simpson Ave, Bartley St and related intersections. Replace guard house. Relocate boundary fence. Construct a new Defense Access Road between the east gate and Hill Ave to replace the current access route. Air Conditioning: 5 KW.					
11. REQUIREMENT: As required. PROJECT: Upgrade access roads. (Current Mission). REQUIREMENT: Base road system improvements are needed to support increased traffic resulting from Special Operations Forces (SOF) revitalization. The lack of capacity causes significant traffic delays during rush hour, requiring the use of additional personnel to direct traffic. A new Defense Access Road is urgently needed. This requirement has been certified as important to national defense, per Title 23 USC 210, necessitated by expansion of existing Air Force activities which result in a significant impact on the adjacent highways. CURRENT SITUATION: The existing road system was constructed in the 1950's for a base population of 2000 to 3000 personnel. The base population has tripled since then. A new east side community center has attracted many retired and active duty patrons and increased traffic flow dramatically. The present road network cannot adequately support the increased traffic flows. Traffic counts have increased by 22 percent at the main gate and over 190 percent at the east gate in the past five years. IMPACT IF NOT PROVIDED: Unacceptable levels of congestion will occur due to increased traffic through the east gate. Traffic accidents and pedestrian hazards at intersections will worsen as traffic volumes					

1. COMPONENT	FY 2001 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
UPGRADE ACCESS ROADS		FTEV943011
increase. There have been 27 traffic accidents at the intersection of Lovejoy and Hill Avenues in the past two years. <u>ADDITIONAL:</u> 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 performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: Lt Col Hamill (850) 884-7701. Improve Cody Avenue: 31,000 SM = 37,200 SY; Improve Independence Road: 35,500 SM = 42,600 SY.		

1. COMPONENT	FY 2001 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	
UPGRADE ACCESS ROADS	FTEV943011	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		Design, Bid, Build
(1) Status:		
(a) Date Design Started		99 JAN 29
(b) Parametric Cost Estimates used to develop costs		Y
* (c) Percent Complete as of Jan 2000		15%
* (d) Date 35% Designed.		99 DEC 30
(e) Date Design Complete		00 AUG 15
(f) Energy Study/Life-Cycle analysis was/will be performed		Y
(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		336
(b) All Other Design Costs		168
(c) Total		504
(d) Contract		454
(e) In-house		50
(3a) Construction Contract Award Date		01 JAN
(4) Construction Start		01 MAR
(5) Construction Completion		01 SEP
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
PATRICK AIR FORCE BASE, FLORIDA				AIR FORCE				COST INDEX			
				SPACE COMMAND				0.92			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		341	1102	1167							2,610
b. End FY 2005		338	1070	1212							2,620
7. INVENTORY DATA (\$000)											
a. Total Acreage: (2,341)											
b. Inventory Total As Of: (30 SEP 99) 2,810,316											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 12,970											
e. Authorization Included In Following Program: (FY 2002) 0											
f. Planned In Next Three Program Years: 11,900											
g. Remaining Deficiency: 19,743											
h. Grand Total: 2,854,929											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY						COST		DESIGN STATUS			
CODE	PROJECT TITLE	SCOPE				(\$000)	START	CMPL			
730-441	DEFENSE EQUAL OPPORTUNITY	8,510 SM				12,970	TURN KEY				
	MANAGEMENT INSTITUTE FACILITY										
TOTAL:						12,970					
9a. Future Projects: Included in the Following Program (FY 2002) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
130-142	FIRE/CRASH RESCUE STATION	3,125 SM				6,800					
141-456	SECURITY FORCES OPERATIONS	2,550 SM				5,100					
	FACILITY										
10. Mission or Major Functions: A space wing; the Air Force Technical Applications Center; DoD Equal Opportunity Management Institute and an Air Force Reserve HH-60/H-130 rescue group.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution: 250,000											
b. Water pollution: 3,000,000											
c. Occupational safety and health: 451,000											
d. Other Environmental: 2,305,000											
12. Real Property Maintenance Backlog This Installation 27,986											

1. COMPONENT		FY. 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
PATRICK AIR FORCE BASE, FLORIDA			DEFENSE EQUAL OPPORTUNITY MANAGEMENT INSTITUTE FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
3.59.96	730-441	SXHT993001	12,970		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DEFENSE EQUAL OPPORTUNITY MANAGEMENT INSTITUTE FACILITY		SM	8,510	1,170	9,957
SUPPORTING FACILITIES					2,312
UTILITIES		LS			(770)
PAVEMENTS		LS			(450)
SITE IMPROVEMENTS		LS			(250)
DEMOLITION		SM	4,100	120	(492)
ASBESTOS ABATEMENT		LS			(350)
SUBTOTAL					12,269
TOTAL CONTRACT COST					12,269
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					699
TOTAL REQUEST					12,968
TOTAL REQUEST (ROUNDED)					12,970
10. Description of Proposed Construction: Facility with reinforced concrete foundation and floor slab, precast exterior walls and roof system. Includes elevator, utilities, parking and all necessary systems to support an education facility. Provide antiterrorism/force protection measures. Demolish three facilities (4,100 SM). Air Conditioning: 933 KW.					
11. REQUIREMENT: 8,510 SM ADEQUATE: 0 SUBSTANDARD: 5,576 SM PROJECT: Construct a Defense Equal Opportunity Management Institute (DEOMI) Facility. (Current Mission). REQUIREMENT: An adequate facility is required to train all DoD personnel in Equal Opportunity (EO) and human relations. Facility requirements include classroom space, faculty offices, library, support functions, computer room, study rooms, break rooms, and a multi-purpose classroom/conference room/auditorium/ceremonies room. The Air Force is the executive agent for this DoD program. CURRENT SITUATION: DEOMI was established at Patrick AFB in September 1971. They are presently located in four facilities on base, three of which are located in the runway clear zone. These facilities are on average 45 years old and were not intended for the current use. Existing classroom space is inadequate to support the current class load. Break areas and student study areas are nonexistent. The library is inadequate to house large volumes of reference materials. Existing lecture halls are not large enough to hold the large classes for orientation, class lectures, and other events such as graduation ceremonies. Faculty offices are cramped and do not provide adequate space for proper class planning or counseling.					

1. COMPONENT	FY 2001 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
DEFENSE EQUAL OPPORTUNITY MANAGEMENT INSTITUTE FACILITY		SXHT993001
<u>IMPACT IF NOT PROVIDED:</u> This is the only DoD organization with the mission of training personnel in the area of equal opportunity. No other facilities on PAFB or in the local off-base area can support this requirement. Without this facility the Air Force will not be able to support the DEOMI training requirements. <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 alternatives of new construction and status quo. Based on the present value 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 John Morrill, DSN 854-4041. DEOMI Facility: 8510 SM = 91,568 SF.		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)	2. DATE
3. INSTALLATION AND LOCATION PATRICK AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE	5. PROJECT NUMBER	
DEFENSE EQUAL OPPORTUNITY MANAGEMENT INSTITUTE FACILITY	SXHT993001	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Project to be accomplished by design-build procedures		
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Design Allowance	648	
(3a) Construction Contract Award Date	01 JAN	
(4) Construction Start	01 FEB	
(5) Construction Completion	02 SEP	
(6) Energy Study/Life-Cycle analysis was/will be performed	Y	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
TYNDALL AIR FORCE BASE, FLORIDA				AIR EDUCATION AND TRAINING COMMAND				COST INDEX			
								0.82			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		606	2850	618	37			84	20		4,215
b. End FY 2005		605	2853	616	37			84	20		4,215
7. INVENTORY DATA (\$000)											
a. Total Acreage: (28,824)											
b. Inventory Total As Of: (30 SEP 99) 2,346,117											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 25,300											
e. Authorization Included In Following Program: (FY 2002) 13,331											
f. Planned In Next Three Program Years: 13,300											
g. Remaining Deficiency: 17,000											
h. Grand Total: 2,415,048											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY						COST		DESIGN		STATUS	
CODE	PROJECT TITLE	SCOPE				(\$000)	START	CMPL			
171-212	F-22 OPERATIONS FACILITY	2,250 SM				6,800	JAN 99	SEP 00			
211-111	F-22 ADD/ALTER MAINTENANCE FACILITIES	5,515 SM				18,500	JAN 99	AUG 00			
TOTAL:						25,300					
9a. Future Projects: Included in the Following Program (FY 2002)											
211-177 F-22 SQUADRON OPERATIONS/AMU AND HANGAR		5,055 SM				10,931					
211-179 F-22 FUEL SYSTEM MAINTENANCE HANGAR		934 SM				2,400					
TOTAL:						13,331					
9b. Future Projects: Typical Planned Next Three Years:											
171-152 WEAPONS CONTROLLER TRAINING SCHOOL		3,555 SM				5,200					
721-312 DORMITORY		144 RM				8,100					
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 AirDefense Sector; the Air Force Civil Engineering Support Agency; and an Air National Guard air defense detachment (F-16 aircraft).											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:										20	
b. Water pollution:										0	
c. Occupational safety and health:										0	
d. Other Environmental:										0	
12. Real Property Maintenance Backlog This Installation										31,437	

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
TYNDALL AIR FORCE BASE, FLORIDA			F-22 ADD/ALTER MAINTENANCE FACILITIES		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.72.19	211-111	XLWU003002	18,500		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
F-22 ADD/ALTER MAINTENANCE FACILITIES		SM	6,107		7,533
LOW OBSERVABLE/COMPOSITE MAINTENANCE		SM	2,990	1,760	(5,262)
UPGRADE MAINTENANCE DOCK		SM	2,370	387	(917)
FIELD TRAINING DETACHMENT		SM	747	1,813	(1,354)
SUPPORTING FACILITIES					9,733
UTILITIES		LS			(288)
SITE IMPROVEMENTS		LS			(250)
PAVEMENTS/DEMOLISH PAVEMENTS		LS			(2,045)
HVAC (LAMINAR FLOW)/PLENUM DOORS		LS			(6,950)
FORCE PROTECTION/SECURITY		LS			(200)
SUBTOTAL					17,266
TOTAL CONTRACT COST					17,266
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					984
TOTAL REQUEST					18,250
TOTAL REQUEST (ROUNDED)					18,500
10. Description of Proposed Construction: Construct a two-bay high-bay hangar with concrete foundation, steel frame, climate control, fire protection, and security provisions for low observable/composite maintenance. Upgrade maintenance hangar by adding climate control, fire protection, and security provisions. Construct high-bay addition with concrete walls and foundation and metal roof for maintenance training. Air Conditioning: 415 KW.					
11. REQUIREMENT: As required.					
PROJECT: F-22 add/alter maintenance facilities. (New Mission)					
REQUIREMENT: Modify existing buildings and construct new facilities to provide adequately sized, configured, and secure maintenance facilities to support the beddown of the next generation, multi-rolled F-22 fighter for pilot training at Tyndall AFB. The F-22 is designed with state of the art technology and composite materials to meet stealth mission requirements. These composites have unique equipment and materials for maintenance and repair that require specialized facilities for training and maintenance activities. Due to the mission of the F-22 and the quick burn rate of composite materials, the maintenance and maintenance training facilities must have a controlled environment, fire protection, and security provisions.					
CURRENT SITUATION: Tyndall AFB does not have adequate or excess facilities to beddown the F-22. It will replace the F-15 in a phased program starting in FY03. The existing corrosion control facility is similar to the type of facility required for composite material maintenance, but it does not meet the F-22 requirements for size and fire protection and it is needed to support the F-15. A new 2-bay,					

1. COMPONENT	FY 2001 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	
F-22 ADD/ALTER MAINTENANCE FACILITIES		XLWU003002	
EPA-compliant facility that meets all major low observable restoration and composite material repair requirements is essential in maintaining the modern materials and coating used on this aircraft. Of the five hangars on Tyndall, none meet F-22 requirements for temperature and humidity control, for laminar air flow for fire protection, or for security provisions. All hangars have natural ventilation and heating capability but have no cooling capacity and no humidity control. Existing water deluge fire protection systems must be upgraded with an aqueous film forming foam (AFFF) fire protection system. Existing hangar configuration and door mechanisms do not provide the means to limit access. The existing F-15 field training facility is not large enough to accommodate all training devices and provisions of the F-22 maintenance training program. The engine, landing gear, and forward fuselage trainers all require a high-bay area. In addition, the existing facility does not have classified classrooms or storage areas. <u>IMPACT IF NOT PROVIDED:</u> F-22 pilot training cannot operate from Tyndall AFB without maintenance facilities available with the proper environmental controls, fire protection, and security measures to provide necessary maintenance and maintenance training. Low observable coatings and composite materials to provide the stealth capability will be compromised. Aircraft availability will be limited resulting from aircraft down for maintenance because of limited hangar space. Personnel will not be fully trained due to the lack of secure training facilities. <u>ADDITIONAL:</u> 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, add to and alter, and new construction) indicates that add to and alter is the only option that will satisfy operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. Base Civil Engineer: Lt Col Arvil E. White III (850) 283-3283. F-22 Maintenance Facilities: 6,107 SM = 65,711 SF			

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
TYNDALL AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE	5. PROJECT NUMBER	
F-22 ADD/ALTER MAINTENANCE FACILITIES	XLWU003002	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data: Design, Bid, Build		
(1) Status:		
(a) Date Design Started	99 JAN 22	
(b) Parametric Cost Estimates used to develop costs	Y	
*(c) Percent Complete as of Jan 2000	15%	
*(d) Date 35% Designed.	99 DEC 30	
(e) Date Design Complete	00 AUG 30	
(f) Energy Study/Life-Cycle analysis was/will be performed	Y	
(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	1110	
(b) All Other Design Costs	555	
(c) Total	1665	
(d) Contract	1388	
(e) In-house	277	
(3a) Construction Contract Award Date	00 NOV	
(4) Construction Start	01 JAN	
(5) Construction Completion	03 JAN	
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
TYNDALL AIR FORCE BASE, FLORIDA				AIR EDUCATION AND TRAINING COMMAND				COST INDEX 0.82			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		606	2850	618	37			84	20		4,215
b. End FY 2005		605	2853	616	37			84	20		4,215
7. INVENTORY DATA (\$000)											
a. Total Acreage: (28,824)											
b. Inventory Total As Of: (30 SEP 99) 2,346,117											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 25,300											
e. Authorization Included In Following Program: (FY 2002) 13,331											
f. Planned In Next Three Program Years: 13,300											
g. Remaining Deficiency: 17,000											
h. Grand Total: 2,415,048											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY						COST		DESIGN STATUS			
CODE	PROJECT TITLE	SCOPE		(\$000)		START	Cmpl				
171-212	F-22 OPERATIONS FACILITY	2,250 SM		6,800		JAN 99	SEP 00				
211-111	F-22 ADD/ALTER MAINTENANCE	5,515 SM		18,500		JAN 99	AUG 00				
FACILITIES											
		TOTAL:		25,300							
9a. Future Projects: Included in the Following Program (FY 2002)											
211-177	F-22 SQUADRON OPERATIONS/AMU	5,055 SM		10,931							
AND HANGAR											
211-179	F-22 FUEL SYSTEM MAINTENANCE	934 SM		2,400							
HANGAR											
		TOTAL:		13,331							
9b. Future Projects: Typical Planned Next Three Years:											
171-152	WEAPONS CONTROLLER TRAINING	3,555 SM		5,200							
SCHOOL											
721-312	DORMITORY	144 RM		8,100							
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 AirDefense Sector; the Air Force Civil Engineering Support Agency; and an Air National Guard air defense detachment (F-16 aircraft).											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:										20	
b. Water pollution:										0	
c. Occupational safety and health:										0	
d. Other Environmental:										0	
12. Real Property Maintenance Backlog This Installation										31,437	

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
TYNDALL AIR FORCE BASE, FLORIDA			F-22 OPERATIONS FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.72.19	171-212	XLWU003001	6,800		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
F-22 OPERATIONS FACILITY		SM	3,000		4,837
FLIGHT SIMULATOR		SM	2,000	1,683	(3,366)
FLIGHT ACADEMICS TRAINING		SM	1,000	1,471	(1,471)
SUPPORTING FACILITIES					1,609
UTILITIES		LS			(353)
SITE IMPROVEMENTS		LS			(353)
PAVEMENTS		LS			(353)
FORCE PROTECTION (MASONRY SCREEN WALL)		LS			(100)
PHYSICAL SECURITY (SAR)		LS			(150)
ADDITIONAL HVAC		LS			(300)
SUBTOTAL					6,446
TOTAL CONTRACT COST					6,446
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					367
TOTAL REQUEST					6,813
TOTAL REQUEST (ROUNDED)					6,800
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(17,600)
10. Description of Proposed Construction: Construct operations facility with reinforced foundation, split-faced block walls, standing seam metal roof, security and shielding provisions, environmental controls, communication networking and all necessary support. Facility will include simulator area with simulator bays, logistic support area, management space, and flight academic training space. Air Conditioning: 180 KW.					
11. REQUIREMENT: As required.					
PROJECT: Construct an F-22 operations facility. (New Mission)					
REQUIREMENT: Adequately sized, configured, and secure operations facility providing simulator and academic flight training is required to support the beddown of the next generation, multi-roled F-22 fighter at Tyndall AFB. Space is required to house the F-22 full mission trainer (FMT) simulators and support functions. FMTs provide the highest transfer of pilot skills from device level to the aircraft. Academics flight training space is required to provide the academic training and mission briefs in a secure environment. Due to the mission of the F-22, this operations facility must be shielded and have the necessary security provisions. Intense computer support for both the classrooms and the FMTs dictates additional space and HVAC for this facility.					
CURRENT SITUATION: Tyndall AFB does not have adequate or excess facilities to beddown the F-22. The F-22 will replace the F-15 in a phased program starting in FY03. The existing F-15 simulator facility is too small to accommodate F-22 simulator requirements. Extensive modifications would be required to support the F-22 FMTs, requiring F-15 simulator operations to cease for up to eight months. This is					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
TYNDALL AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE		5. PROJECT NUMBER
F-22 OPERATIONS FACILITY		XLWU003001
unacceptable due to the continued F-15 pilot training load. The F-15 academic facility is not large enough to support F-15 and F-22 training. The facility does not meet the security requirements required for F-22 training. Modifications to the existing academics facility would cause unacceptable disruption to F-15 training. Space cannot be shared between the two due to the F-22's classified mission training. <u>IMPACT IF NOT PROVIDED:</u> F-22 fighter training unit cannot operate from Tyndall AFB without an operations facility available with the proper shielding and security measures to provide necessary simulator and academic training. F-22 pilot qualification training cannot be conducted and F-22 pilot training will be delayed. Development of pilot skills prior to transitioning to the aircraft cannot be done without FMT simulators. <u>ADDITIONAL:</u> 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, add to and alter, and new construction) indicates that only the new construction option will satisfy operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. Base Civil Engineer: Lt Col Arvil White III (850)283-3283. Operations Facility: 3,000 SM = 32,280 SF		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
TYNDALL AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE	5. PROJECT NUMBER	
F-22 OPERATIONS FACILITY	XLWU003001	

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

Design, Bid, Build

(1) Status:

(a) Date Design Started	99 JAN 26
(b) Parametric Cost Estimates used to develop costs	Y
* (c) Percent Complete as of Jan 2000	15%
* (d) Date 35% Designed.	99 DEC 30
(e) Date Design Complete	00 SEP 10
(f) Energy Study/Life-Cycle analysis was/will be performed	Y

(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	408
(b) All Other Design Costs	204
(c) Total	612
(d) Contract	510
(e) In-house	102

(4) Construction Start	01 JAN
(5) Construction Completion	03 JAN
(3a) Construction Contract Award Date	00 NOV

* Indicates completion or Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.

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

EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
F-22 FULL MOTION TRAINERS	3010	2002	17000
UNINTERRUPTED POWER SOURCE	3080	2002	600

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE	
AIR FORCE									
3. INSTALLATION AND LOCATION				4. COMMAND			5. AREA CONST COST INDEX		
FORT STEWART, GEORGIA				AIR COMBAT COMMAND			0.82		
6. PERSONNEL		PERMANENT		STUDENTS		SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL
a. As of 30 SEP 99		13	53						66
b. End FY 2005		13	58						71
7. INVENTORY DATA (\$000)									
a. Total Acreage: (0)									
b. Inventory Total As Of: (30 SEP 99) 0									
c. Authorization Not Yet In Inventory: 0									
d. Authorization Requested In This Program: 4,920									
e. Authorization Included In Following Program: (FY 2002) 0									
f. Planned In Next Three Program Years: 0									
g. Remaining Deficiency: 0									
h. Grand Total: 4,920									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001									
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS	
CODE								START	CMPL
141-753	AIR SUPPORT OPERATIONS			2,715 SM		4,920		JAN 00	SEP 00
	SQUADRON FACILITY								
TOTAL:						4,920			
9a. Future Projects: Included in the Following Program (FY 2002) NONE									
9b. Future Projects: Typical Planned Next Three Years:									
10. Mission or Major Functions: Consists of an Air Support Operations Squadron (ASOS) with a weather detachment.									
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 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
FORT STEWART, GEORGIA			AIR SUPPORT OPERATIONS SQUADRON FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
2.75.96	141-753	HACC003016	4,920		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
AIR SUPPORT OPERATIONS SQUADRON FACILITY		SM	2,715	1,198	3,253
SUPPORTING FACILITIES					1,405
UTILITIES		LS			(210)
PAVEMENTS		LS			(340)
SITE IMPROVEMENTS		LS			(180)
COVERED STORAGE FACILITY		SM	1,066	478	(510)
HAZARDOUS MATERIAL STORAGE		LS			(80)
COMMUNICATIONS PREWIRING		LS			(85)
SUBTOTAL					4,658
TOTAL CONTRACT COST					4,658
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					266
TOTAL REQUEST					4,924
TOTAL REQUEST (ROUNDED)					4,920
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(40)
10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, masonry walls, roof system, fire protection system, utilities, site work, landscaping, parking and necessary support facilities.					
11. REQUIREMENT: 2,715 SM ADEQUATE: 0 SUBSTANDARD: 849 SM PROJECT: Construct an Air Support Operations Squadron facility. (Current Mission) REQUIREMENT: A facility to adequately support the administrative, training, vehicle and equipment maintenance, and storage requirements for the Air Support Operations Squadron (ASOS) located at Fort Stewart. The ASOS provides garrison weather support and close air support for Army divisions, brigades, and battalions. It also maintains mission-ready air support operations personnel, radios, vehicles, and mobility equipment deployable worldwide. CURRENT SITUATION: The ASOS at Fort Stewart currently operates out of four temporary wooden structures originally scheduled for demolition in 1981. None of the facilities have fire detection, suppression or alarm systems. All facilities are in an advanced state of deterioration with extensive wood rot and termite damage, and the electrical systems are inadequate for sophisticated electronic equipment. The vehicle compound is geographically separated from the facilities and it can only provide necessary shelter for 19 of 26 vehicles assigned to the squadron. Inadequate storage space for mobility/combat equipment forces personnel to use mechanical rooms and privately owned vehicles for storage. IMPACT IF NOT PROVIDED: The ASOS functions will continue to be geographically separated which negatively impacts unit effectiveness, efficiency and unit morale. Improper storage for vehicles and equipment					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
FORT STEWART, GEORGIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
AIR SUPPORT OPERATIONS SQUADRON FACILITY	HACC003016	
will reduce their life cycle and potentially effect mission performance and support of ground units. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." Only one alternative exists to meet this operational requirement, therefore an economic analysis is not required. A Certificate of Exception has been prepared. Department of Public Works: Col Obidio Perez, Phone (912) 767-8356. Air Support Operations Squadron Facility: 2,715 SM = 29,224 SF		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
FORT STEWART, GEORGIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
AIR SUPPORT OPERATIONS SQUADRON FACILITY	HACC003016	
12. SUPPLEMENTAL DATA: Design, Bid, Build		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		00 JAN 26
(b) Parametric Cost Estimates used to develop costs		Y
* (c) Percent Complete as of Jan 2000		15%
* (d) Date 35% Designed.		00 MAR 15
(e) Date Design Complete		00 SEP 01
(f) Energy Study/Life-Cycle analysis was/will be performed		Y
(2) Basis:		
(a) Standard or Definitive Design -		YES
(b) Where Design Was Most Recently Used -		FT BENNI
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Production of Plans and Specifications		295
(b) All Other Design Costs		148
(c) Total		443
(d) Contract		369
(e) In-house		74
(4) Construction Start		01 MAR
(5) Construction Completion		02 MAR
(3a) Construction Contract Award Date		01 JAN
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations:		
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED
		COST (\$000)
WEATHER EQUIPMENT	3080	2001 40

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX			
MOODY AIR FORCE BASE, GEORGIA				AIR COMBAT COMMAND				0.83			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		409	3656	2759				16	90	64	6,994
b. End FY 2005		368	2759	368				16	90	64	3,665
7. INVENTORY DATA (\$000)											
a. Total Acreage: (5,442)											
b. Inventory Total As Of: (30 SEP 99) 5,185,256											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 2,500											
e. Authorization Included In Following Program: (FY 2002) 0											
f. Planned In Next Three Program Years: 15,500											
g. Remaining Deficiency: 22,810											
h. Grand Total: 5,226,066											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY						COST		DESIGN STATUS			
CODE	PROJECT TITLE	SCOPE				(\$000)	START	CMPL			
841-165	WATER TREATMENT PLANT	LS				2,500	JAN 99	SEP 00			
TOTAL:						2,500					
9a. Future Projects: Included in the Following Program (FY 2002) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
610-128	CONSOLIDATED BASE SUPPORT	4,670 SM				7,200					
CENTER											
721-312	DORMITORY (144 RM)	144 RM				8,300					
10. Mission or Major Functions: A composite wing with two F-16 squadrons, an A/OA-10 squadron, and a rescue wing with an HH-60 squadron and an HC-130 squadron. A training squadron of (AETC) T-38C aircraft will replace the A/OA-10 squadron in the near future.											
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										16,304	

1. COMPONENT		2. DATE	
FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			
3. INSTALLATION AND LOCATION		4. PROJECT TITLE	
MOODY AIR FORCE BASE, GEORGIA		WATER TREATMENT PLANT	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
2.74.56	841-165	QSEU983003	2,500
9. COST ESTIMATES			
ITEM	U/M	QUANTITY	COST (\$000)
WATER TREATMENT PLANT	LS		2,272
SUPPORTING FACILITIES			85
UTILITIES	LS		(10)
PAVEMENTS	LS		(30)
SITE IMPROVEMENTS	LS		(30)
FORCE PROTECTION	LS		(15)
SUBTOTAL			2,357
TOTAL CONTRACT COST			2,357
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)			134
TOTAL REQUEST			2,491
TOTAL REQUEST (ROUNDED)			2,500
10. Description of Proposed Construction: Construct a 3 million liter per day disinfection and filtration water treatment plant to comply with the Surface Water Treatment Rule (SWTR) and reduce total trihalomethan(TTHMs) to within the Safe Drinking Water Act (SDWA) maximum contaminant level. Force protection/anti-terrorism measures include fencing and a pre-engineered covered structure.			
11. REQUIREMENT: 1 LS ADEQUATE: 0 SUBSTANDARD: 1 LS PROJECT: Construct a water treatment plant. (Current Mission) REQUIREMENT: This is a Level I environmental compliance requirement. Moody AFB is out of compliance with the SWTR and the Georgia Rules for Safe Drinking Water. Many of Moody's wells are under the influence of surface water which mandates a more stringent treatment than for standard wells. The new treatment plant will produce water that will comply with the SDWA/SWTR. CURRENT SITUATION: Moody AFB needs a safe water source to comply with the SWTR. Analysis of Moody's production wells on the main base and the munitions areas show surface water contamination. This ground water under the direct influence (GWUDI) of surface water was cited in a 2/7/96 letter of non-compliance from the Georgia Department of Natural Resources to Base Civil Engineer. New well construction has been tried and the new well water also tested positive for GWUDI. Due to these results Moody AFB must construct a surface water treatment plant capable of removing organisms such as giardia and cryptosporidium as well as organic material. There are dead ends in the main base water distribution system, which result in zero residual chlorine and high Total Trihalomethanes concentration. This is a violation of the SDWA and a public health concern. In addition, the facilities on the perimeter of Moody AFB are currently not connected to			

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MOODY AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE		5. PROJECT NUMBER
WATER TREATMENT PLANT		QSEU983003
the base water supply and have their own water wells. These wells have also been plagued with the same compliance problems. Because of these health and other aesthetic problems these facilities use bottled water for drinking. <u>IMPACT IF NOT PROVIDED:</u> Moody AFB will not comply with the SDWA and will again face enforcement action. Failure to construct the treatment plant and distribution loop will preclude removing microscopic organisms and organic material and will prevent maintaining proper chlorine residuals and consequently minimizing the TTHM concentration. Base personnel will continue to consume water contaminated with these microscopic, disease carrying organisms and THMs. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." Base Civil Engineer: Lt Col Guy Wells, (912) 333-3601.		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
MOODY AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
WATER TREATMENT PLANT	QSEU983003	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		Design, Bid, Build
(1) Status:		
(a) Date Design Started		99 JAN 26
(b) Parametric Cost Estimates used to develop costs		Y
* (c) Percent Complete as of Jan 2000		35%
* (d) Date 35% Designed.		99 DEC 16
(e) Date Design Complete		00 SEP 15
(f) Energy Study/Life-Cycle analysis was/will be performed		Y
(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		150
(b) All Other Design Costs		75
(c) Total		225
(d) Contract		187
(e) In-house		38
(3a) Construction Contract Award Date		01 JAN
(4) Construction Start		01 MAR
(5) Construction Completion		02 MAR
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX			
HICKAM AIR FORCE BASE, HAWAII				PACIFIC AIR FORCES				1.45			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		684	2545	1926				166	260	17	6,598
b. End FY 2005		683	2583	1912				166	260	17	6,621
7. INVENTORY DATA (\$000)											
a. Total Acreage: (2,851)											
b. Inventory Total As Of: (30 SEP 99) 7,772,958											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 4,620											
e. Authorization Included In Following Program: (FY 2002) 41,673											
f. Planned In Next Three Program Years: 12,900											
g. Remaining Deficiency: 241,487											
h. Grand Total: 8,073,638											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY		PROJECT TITLE				SCOPE		COST	DESIGN STATUS		
CODE							(\$000)	START	CMPL		
211-111	UPGRADE HANGAR COMPLEX					34,065 SM	4,620	JAN 99	AUG 00		
TOTAL:							4,620				
9a. Future Projects: Included in the Following Program (FY 2002)											
610-284	REPAIR HQ PACAF BUILDING					LS	27,000				
812-225	UPGRADE ELECTRICAL					LS	14,673				
	DISTRIBUTION SYSTEM										
TOTAL:							41,673				
9b. Future Projects: Typical Planned Next Three Years:											
113-321	REPAIR AIRFIELD PAVEMENT					230,200 SM	10,800				
842-245	UPGRADE WATER DISTRIBUTION					3,630 LM	2,100				
	MAINS										
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:										0	
c. Occupational safety and health:										0	
d. Other Environmental:										0	
12. Real Property Maintenance Backlog This Installation 27,145											

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
HICKAM AIR FORCE BASE, HAWAII			UPGRADE HANGAR COMPLEX		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.75.96	211-111	KNMD983001	4,620		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE HANGAR COMPLEX					4,103
UPGRADE WATER DELUGE SYSTEM		SM	10,059	205	(2,062)
CLOSED-HEAD AUTO-SPRINKLERS		SM	24,006	85	(2,041)
SUPPORTING FACILITIES					250
UTILITIES		LS			(150)
CATHODIC PROTECTION		LS			(100)
SUBTOTAL					4,353
TOTAL CONTRACT COST					4,353
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)					283
TOTAL REQUEST					4,636
TOTAL REQUEST (ROUNDED)					4,620
10. Description of Proposed Construction: Install deluge and wet sprinkler valves, detectors, sprinklers, pumps, controls, water storage tank, automatic wet sprinkler system, floor drains, oil-water separator, emergency exits, and all necessary support.					
11. REQUIREMENT: 34,065 SM ADEQUATE: 0 SUBSTANDARD: 34,065 SM PROJECT: Upgrade hangar complex. (Current Mission) REQUIREMENT: Provide an adequate fire detection and protection system to meet current fire protection standards for aircraft hangars and associated administrative and storage areas. CURRENT SITUATION: The existing facility was constructed in 1941. Fire trucks are required to stand by whenever fueled aircraft are parked in the hangar. There is no fire protection system in administrative and storage areas. The existing building systems cannot support a new fire protection system without major upgrades. IMPACT IF NOT PROVIDED: Personnel and aircraft valued at millions of dollars will continue to be at risk during maintenance. The adjacent maintenance complex and stored war reserve materiel will also continue to be at risk due to the lack of a fire protection system. Fire trucks used to protect hangared aircraft will be out of position for rapid response to airfield emergencies, increasing response time. ADDITIONAL: This project meets the scope/criteria specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of options was performed. Only one option meets operational requirements. Therefore a full economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: Lt Col Torchia, (808) 449-1660. Upgrade Water Deluge System: 10,059 SM = 107,631 SF; Closed-Head Auto Sprinklers: 24,006 SM = 256,864 SF.					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
HICKAM AIR FORCE BASE, HAWAII		
4. PROJECT TITLE		5. PROJECT NUMBER
UPGRADE HANGAR COMPLEX		KNMD983001
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		Design, Bid, Build
(1) Status:		
(a) Date Design Started		99 JAN 29
(b) Parametric Cost Estimates used to develop costs		Y
* (c) Percent Complete as of Jan 2000		15%
* (d) Date 35% Designed.		99 DEC 30
(e) Date Design Complete		00 AUG 15
(f) Energy Study/Life-Cycle analysis was/will be performed		Y
(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		277
(b) All Other Design Costs		139
(c) Total		416
(d) Contract		371
(e) In-house		45
(3a) Construction Contract Award Date		00 DEC
(4) Construction Start		01 JAN
(5) Construction Completion		02 JUL
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX			
MOUNTAIN HOME AIR FORCE BASE, IDAHO				AIR COMBAT COMMAND				1.11			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		472	3944	426				13	95	69	5,019
b. End FY 2005		467	3902	425				13	95	60	4,962
7. INVENTORY DATA (\$000)											
a. Total Acreage: (6,844)											
b. Inventory Total As Of: (30 SEP 99) 6,828,200											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 10,125											
e. Authorization Included In Following Program: (FY 2002) 20,948											
f. Planned In Next Three Program Years: 7,300											
g. Remaining Deficiency: 53,330											
h. Grand Total: 6,919,903											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY						COST		DESIGN		STATUS	
CODE	PROJECT TITLE	SCOPE		(\$000)		START		CMPL			
179-481	ENHANCED TRAINING RANGE, IDAHO PHIII	LS		10,125		TURN KEY					
				TOTAL:		10,125					
9a. Future Projects: Included in the Following Program (FY 2002)											
113-321	AIRCRAFT PARKING APRON	72,500 SM		13,648							
141-786	MOBILITY PROCESSING CENTER	3,850 SM		7,300							
				TOTAL:		20,948					
9b. Future Projects: Typical Planned Next Three Years:											
740-674	ADD TO AND ALTER FITNESS CENTER	2,705 SM		7,300							
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, a B-1B squadron, and the AEF Battlelab.											
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										18,410	

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MOUNTAIN HOME AIR FORCE BASE, IDAHO			ENHANCED TRAINING RANGE, IDAHO PHIII		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
2.76.04	179-481	QYZH013000	10,125		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
ENHANCED TRAINING RANGE, IDAHO PHIII	LS			9,580	
NO DROP TARGET SITES	LS			(2,045)	
EMITTER SITES	LS			(4,700)	
ROADS	LS			(2,835)	
SUBTOTAL				9,580	
TOTAL CONTRACT COST				9,580	
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				546	
TOTAL REQUEST				10,126	
TOTAL REQUEST (ROUNDED)				10,125	
10. Description of Proposed Construction: Construct no-drop target sites, emitter sites, and roads to the emitter sites.					
11. REQUIREMENT: As required.					
<u>PROJECT:</u> Construct Enhanced Training Range, Idaho Phase III (New Mission)					
<u>REQUIREMENT:</u> An adequate training range is required to allow the F-16, F-15, KC-135 and B-1B crews to train together in real world battle situations. To provide realistic training, the range requires widely separated threat emitter sites and simulated target sites constructed to resemble target complexes. All-weather roads are necessary to provide immediate access for maintenance and repair of range facilities and equipment. Security fencing is required around the simulated target and emitter sites.					
<u>CURRENT SITUATION:</u> This project will consolidate a wide array of functions now conducted at various training ranges and eliminate the costly workarounds inherent with non-essential flying hours required to transit to and from the ranges. Existing training ranges, airspace and emitter sites offer limited realism, flexibility and quality. Remote ranges require transit time that expends limited flying hours and funding, yet yields minimal training value. An integrated set of training facilities incorporating Saylor Creek Range and the existing Military Operations Areas will provide the flexibility to vary attacks and tactics, present aircrews with challenging, realistic battlefield situations, and allow for ready access on a day-to-day basis. This is Phase III of a three-phase project.					
<u>IMPACT IF NOT PROVIDED:</u> Continuation of training without improvements will not provide the enhancements needed by aircrews to fly against realistic targets under battlefield conditions. The Air Force will					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MOUNTAIN HOME AIR FORCE BASE, IDAHO		
4. PROJECT TITLE	5. PROJECT NUMBER	
ENHANCED TRAINING RANGE, IDAHO PHIII	QYZH013000	
continue to expend limited funds transiting aircraft to and from the range while sacrificing training time. <u>ADDITIONAL:</u> 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: Lt Col Kenneth Shelton, (208) 828-6353.		

1. COMPONENT	FY 2001 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	
ENHANCED TRAINING RANGE, IDAHO PHIII	QYZH013000	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Project to be accomplished by design-build procedures		
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Design Allowance	506	
(3a) Construction Contract Award Date	01 JAN	
(4) Construction Start	01 MAY	
(5) Construction Completion	02 OCT	
(6) Energy Study/Life-Cycle analysis was/will be performed	NA	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND			5. AREA CONST				
SCOTT AIR FORCE BASE, ILLINOIS				AIR MOBILITY COMMAND			COST INDEX 1.16				
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		1714	3888	2575				275	770	584	9,806
b. End FY 2005		1704	3659	2557				275	770	584	9,549
7. INVENTORY DATA (\$000)											
a. Total Acreage: (3,230)											
b. Inventory Total As Of: (30 SEP 99) 343,327											
c. Authorization Not Yet In Inventory: 2,700											
d. Authorization Requested In This Program: 3,830											
e. Authorization Included In Following Program: (FY 2002) 0											
f. Planned In Next Three Program Years: 0											
g. Remaining Deficiency: 98,700											
h. Grand Total: 448,557											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY						COST		DESIGN STATUS			
CODE	PROJECT TITLE	SCOPE				(\$000)	START	CMPL			
442-257	MUNITIONS STORAGE/LAND ACQUISITION	1,010 SM				3,830	TURN KEY				
TOTAL:						3,830					
9a. Future Projects: Included in the Following Program (FY 2002) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
10. Mission or Major Functions: Headquarters United States Transportation Command;Headquarters Air Mobility Command;Tanker/Airlift Control Center;HQ Air Force Command,Control,Communications and Computer Agency;Air Weather Service;USAF Environmental Technical Applications Center;an airlift wing with a C-9 airlift squadron and a C-21 airlift squadron; an Air Force Reserve C-9 associate aeromedical airlift wing; Air Force Materiel Commands Communications Systems Program Office and a major USAF 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 42,377											

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
SCOTT AIR FORCE BASE, ILLINOIS			MUNITIONS STORAGE/LAND ACQUISITION		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
4.18.96	442-257	VDYD000001	3,830		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
MUNITIONS STORAGE/LAND ACQUISITION					1,978
MUNITIONS STORAGE		SM	800	2,065	(1,652)
INSPECTION AND MAINTENANCE		SM	210	1,552	(326)
SUPPORTING FACILITIES					1,645
UTILITIES		LS			(270)
PAVEMENTS		LS			(250)
SITE IMPROVEMENTS		LS			(250)
COMM SUPPORT		LS			(25)
LAND ACQUISITION		LS			(850)
SUBTOTAL					3,623
TOTAL CONTRACT COST					3,623
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					207
TOTAL REQUEST					3,830
TOTAL REQUEST (ROUNDED)					3,830
10. Description of Proposed Construction: A munitions storage facility consisting of multicubical type segregated magazine of reinforced concrete having 30 bays, concrete floor and a frangible and non-flammable roof and a munitions inspection and maintenance area. Also included are roads, parking, fencing, security lighting and alarms, and necessary support. Air Conditioning: 20 KW.					
11. REQUIREMENT: 800 SM ADEQUATE: 0 SUBSTANDARD: 38 SM PROJECT: Construct a munitions storage facility and land acquisition. (Current Mission) REQUIREMENT: Adequate munitions storage and inspection area is required to support training and operational requirements. Space must be provided to support the security police ground defense unit, the explosives ordnance disposal team, HQ AMC combat controllers, and training needs of various base organizations. Location should conform to quantity distance criteria for minimum blast and fragmentation distances from inhabited buildings and public roadways. CURRENT SITUATION: The existing munitions storage/training facility is too small. This lack of space requires munitions to be stored at Little Rock AFB and an army depot 30 miles away. The existing location does not meet quantity-distance criteria for minimum blast and fragmentation distances to inhabited buildings (1,250 feet; nearest building is 250 feet) and public roadways (750 feet; nearest road is 100 feet). There is no available space on base to construct this facility. Therefore, land must be purchased as part of this project. IMPACT IF NOT PROVIDED: Mission requirements for training, mobility, and operations will continue to be adversely affected by depending on other					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
SCOTT AIR FORCE BASE, ILLINOIS		
4. PROJECT TITLE	5. PROJECT NUMBER	
MUNITIONS STORAGE/LAND ACQUISITION	VDYD000001	
installations, distant from the base, for munitions storage. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Civil Engineering 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. BASE CIVIL ENGINEER: Lt Col James Brackett (618) 256-2701. Munitions Storage: 800 SM = 8,611 SF; Inspection and Maintenance: 210 SM = 2,260 SF		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
SCOTT AIR FORCE BASE, ILLINOIS		
4. PROJECT TITLE	5. PROJECT NUMBER	
MUNITIONS STORAGE/LAND ACQUISITION	VDYD000001	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Project to be accomplished by design-build procedures		
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Design Allowance	215	
(3a) Construction Contract Award Date	01 JUN	
(4) Construction Start	01 JUL	
(5) Construction Completion	02 JUN	
(6) Energy Study/Life-Cycle analysis was/will be performed	Y	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
BARKSDALE AIR FORCE BASE, LOUISIANA				AIR COMBAT 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 99		832	4752	1034				64	73	322	7,077
b. End FY 2005		833	4753	1033				64	73	322	7,078
7. INVENTORY DATA (\$000)											
a. Total Acreage: (22,361)											
b. Inventory Total As Of: (30 SEP 99) 3,006,105											
c. Authorization Not Yet In Inventory: 50,680											
d. Authorization Requested In This Program: 6,390											
e. Authorization Included In Following Program: (FY 2002) 0											
f. Planned In Next Three Program Years: 21,000											
g. Remaining Deficiency: 109,100											
h. Grand Total: 3,193,275											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY											
CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN START	STATUS CMPL			
721-312	DORMITORY (96 RM)				96 RM	6,390	JAN 00	SEP 00			
TOTAL:						6,390					
9a. Future Projects: Included in the Following Program (FY 2002) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
211-179	B-52H FUEL CELL MAINTENANCE				5,214 SM	14,200					
DOCK											
721-312	DORMITORY (96 RM)				96 RM	6,800					
10. Mission or Major Functions: Headquarters Eighth Air Force; a bomb wing with three B-52 squadrons, one of which is responsible for training B-52 aircrews; and an Air Force Reserve wing with an A/OA-10 squadron and a B-52 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										47,276	

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
BARKSDALE AIR FORCE BASE, LOUISIANA		DORMITORY (96 RM)		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
2.75.96	721-312	AWUB033010	6,390	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (96 RM)	SM	3,200	1,512	4,838
SUPPORTING FACILITIES				1,194
UTILITIES	LS			(255)
PAVEMENTS	LS			(285)
SITE IMPROVEMENTS	LS			(275)
DEMOLITION	SM	3,078	123	(379)
SUBTOTAL				6,032
TOTAL CONTRACT COST				6,032
SUPERVISION, INSPECTION AND OVERHEAD (6%)				362
TOTAL REQUEST				6,394
TOTAL REQUEST (ROUNDED)				6,390
10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, steel frame, brick veneer exterior walls, sound attenuation, and sloped roofs. Includes lounge areas, laundries, room-bath-kitchen-room modules, storage, exterior site work, communication requirements, fire protection systems, and all supporting facilities. Work includes parking and demolition of one facility (3,078 SM). Air Conditioning: 175 KW. Grade Mix: 96 E1-E4.				
11. REQUIREMENT: 1,305 RM ADEQUATE: 636 RM SUBSTANDARD: 144 RM PROJECT: Construct a dormitory. (Current Mission) REQUIREMENT: 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. The AF objective is for dormitories to meet the one-plus-one design standard. This project is in accordance with the Air Force Dormitory Master Plan. CURRENT SITUATION: As verified by the Air Force Dormitory Master Plan, the base has insufficient facilities to adequately accomodate permanent party unaccompanied enlisted personnel required to live on-base per Air Force policy. IMPACT IF NOT PROVIDED: Adequate living quarters which provide a level of privacy required for today's airmen will not be available, resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. ADDITIONAL: This project does meet the criteria/scope specified in Air				

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
BARKSDALE AIR FORCE BASE, LOUISIANA		
4. PROJECT TITLE	5. PROJECT NUMBER	
DORMITORY (96 RM)	AWUB033010	
Force Handbook 32-1084, "Facility Requirements". An economic analysis has been prepared comparing the alternatives of new construction, and status quo operations. 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 1998 Unaccompanied Housing RPM Conducted: \$4,700K. FY 1999 Unaccompanied Housing RPM Conducted: \$86K. Future Unaccompanied Housing RPM conducted (estimated): FY00: \$2,300K; FY01: 2,100K; FY02: \$173K; FY03: \$275K. Base Civil Engineer: Lt Col Irv Lee , Phone (318) 456-4856. Dormitory 3,200 SM = 34,500 SF.		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
BARKSDALE AIR FORCE BASE, LOUISIANA		
4. PROJECT TITLE	5. PROJECT NUMBER	
DORMITORY (96 RM)	AWUB033010	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		Design, Bid, Build
(1) Status:		
(a) Date Design Started		00 JAN 19
(b) Parametric Cost Estimates used to develop costs		Y
*(c) Percent Complete as of Jan 2000		1%
*(d) Date 35% Designed.		00 MAR 15
(e) Date Design Complete		00 SEP 01
(f) Energy Study/Life-Cycle analysis was/will be performed		Y
(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		383
(b) All Other Design Costs		192
(c) Total		575
(d) Contract		479
(e) In-house		96
(3a) Construction Contract Award Date		01 JAN
(4) Construction Start		01 MAR
(5) Construction Completion		02 SEP
*		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
KEESLER AIR FORCE BASE, MISSISSIPPI				AIR EDUCATION AND TRAINING COMMAND				COST INDEX 0.89			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		859	3147	1880	447	2693		78	1680	84	10,868
b. End FY 2005		854	3109	1878	439	2819		78	1680	84	10,941
7. INVENTORY DATA (\$000)											
a. Total Acreage: (1,611)											
b. Inventory Total As Of: (30 SEP 99) 7,743,382											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 15,040											
e. Authorization Included In Following Program: (FY 2002) 0											
f. Planned In Next Three Program Years: 0											
g. Remaining Deficiency: 13,400											
h. Grand Total: 7,771,822											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY											
CODE		PROJECT TITLE				SCOPE		COST (\$000)		DESIGN STATUS START CMPL	
171-623		TECHNICAL TRAINING FACILITY				10,300 SM		15,040		TURN KEY	
						TOTAL:		15,040			
9a. Future Projects: Included in the Following Program (FY 2002) NONE											
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:										40	
b. Water pollution:										30	
c. Occupational safety and health:										0	
d. Other Environmental:										0	
12. Real Property Maintenance Backlog This Installation										28,505	

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION	4. PROJECT TITLE			
KEESLER AIR FORCE BASE, MISSISSIPPI	TECHNICAL TRAINING FACILITY			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
8.57.96	171-623	MAHG023000	15,040	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
TECHNICAL TRAINING FACILITY	SM	10,300	1,084	11,165
SUPPORTING FACILITIES				3,024
UTILITIES	LS			(480)
PAVEMENTS	LS			(448)
SITE IMPROVEMENTS	LS			(560)
ASBESTOS/LEAD-BASED PAINT REMOVAL	LS			(360)
DEMOLITION	SM	12,948	85	(1,101)
TRANSPORTATION YARD RELOCATION	LS			(75)
SUBTOTAL				14,189
TOTAL CONTRACT COST				14,189
SUPERVISION, INSPECTION AND OVERHEAD (6%)				851
TOTAL REQUEST				15,040
TOTAL REQUEST (ROUNDED)				15,040
10. Description of Proposed Construction: Two-story facility consisting of concrete foundation, with steel frame, precast concrete curtain walls, metal roofing system, fire protection system, parking, utilities and all necessary support. Includes relocation of transportation yard and demolition of one facility (12,948 SM). Air Conditioning: 770 KW.				
11. REQUIREMENT: 105,995 SM ADEQUATE: 69,309 SM SUBSTANDARD: 66,398 SM PROJECT: Construct a technical training facility. (Current Mission) REQUIREMENT: An energy efficient facility with laboratory, high-bay and classroom areas which can be configured to meet varied and changing requirements to support technical training in fields to include radar and satellite systems, flight simulations, combat controller, and air traffic control. Facility will be used to train 600 students-per-day. CURRENT SITUATION: The existing facility was built in 1941 and is obsolete for current training requirements. This facility has not undergone any modernization program or reconfiguration suitable for current training programs. The mechanical system in this facility is difficult to maintain. During the summer, some classrooms and labs become extremely cold while others are extremely warm. In order to continue training in these cold areas, students and staff are forced to wear coats and gloves. This condition makes it very difficult to work on laboratory equipment, simulators and computer keyboards. The existing electrical distribution system has reached its capacity and does not meet current National Electric Code requirements. Ungrounded wiring and overloaded circuits are safety hazards causing breakers and other power equipment to fail on a monthly basis. These power failures interrupt training and				

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
KEESLER AIR FORCE BASE, MISSISSIPPI		
4. PROJECT TITLE	5. PROJECT NUMBER	
TECHNICAL TRAINING FACILITY	MAHG023000	
cause training delays. Lighting levels are 40% below standards for classrooms and laboratories. The existing facility has no fire sprinkler system which is a National Fire Code requirement. Asbestos and lead paint materials are located throughout the facility. <u>IMPACT IF NOT PROVIDED:</u> Students and faculty will continue to train in substandard classrooms and laboratories. Obsolete mechanical systems will continue to waste energy. The existing facility will not adequately meet the requirements of the training squadrons. Keesler AFB will not be able to conduct technical training on systems being developed for the next century. <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, revitalization, leasing and status quo operation. New construction was found to be the most cost efficient over the life of the project. Base Civil Engineer: LtCol Wendell Trivette. (228) 377-2615. Technical Training Facility: 10,300 SM = 110,828 SF		

1. COMPONENT	FY 2001 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	
TECHNICAL TRAINING FACILITY	MAHG023000	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Project to be accomplished by design-build procedures		
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Design Allowance	752	
(3a) Construction Contract Award Date	01 JUL	
(4) Construction Start	01 SEP	
(5) Construction Completion	03 SEP	
(6) Energy Study/Life-Cycle analysis was/will be performed	Y	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX			
WHITEMAN AIR FORCE BASE, MISSOURI				AIR COMBAT COMMAND				1.01			
6. PERSONNEL STRENGTH		PERMANENT		STUDENTS		SUPPORTED					
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		316	3037	615				22	92	91	4,173
b. End FY 2005		317	3042	612				22	92	91	4,176
7. INVENTORY DATA (\$000)											
a. Total Acreage: (5,214)											
b. Inventory Total As Of: (30 SEP 99) 3,862,814											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 12,050											
e. Authorization Included In Following Program: (FY 2002) 0											
f. Planned In Next Three Program Years: 11,500											
g. Remaining Deficiency: 62,820											
h. Grand Total: 3,949,184											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START	CMPL		
422-264	B-2 CONVENTIONAL MUNITIONS IGLOOS			966 SM		4,150		TURN KEY			
422-275	B-2 MUNITIONS ASSEMBLY AREA			LS		7,900		TURN KEY			
TOTAL:						12,050					
9a. Future Projects: Included in the Following Program (FY 2002) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
422-264	B-2 CONVENTIONAL MUNITIONS STORAGE			975 SM		11,500					
10. Mission or Major Functions: A bomber wing with two squadrons of B-2 and 11 T-38 aircraft; and an Air Force Reserve fighter wing with one A/AO-10 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										18,487	

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
WHITEMAN AIR FORCE BASE, MISSOURI			B-2 CONVENTIONAL MUNITIONS IGLOOS		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
1.11.27	422-264	YWHG989206	4,150		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
B-2 CONVENTIONAL MUNITIONS IGLOOS		SM	966	2,117	2,045
SUPPORTING FACILITIES					1,870
UTILITIES		LS			(200)
PAVEMENTS		SM	15,000	75	(1,125)
SITE IMPROVEMENTS		LS			(300)
LIGHTNING PROTECTION		LS			(35)
DUAL-ACCESS DOORS/RETAINING WALLS		LS			(210)
SUBTOTAL					3,915
TOTAL CONTRACT COST					3,915
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					223
TOTAL REQUEST					4,138
TOTAL REQUEST (ROUNDED)					4,150
10. Description of Proposed Construction: Munitions storage module igloos 24 M long constructed from reinforced concrete. Provide earth cover, double steel doors, detection/alarm systems, sensor support systems, emergency backup power support, communications support, access pavements for munitions trailers and other necessary support.					
11. REQUIREMENT: 23 SM ADEQUATE: 7 SM SUBSTANDARD: 11 SM PROJECT: Construct five B-2 conventional munitions igloos. (New Mission) REQUIREMENT: The B-2 mission expansion includes conventional munitions capability. Facilities are required to store these modern conventional munitions. These new munitions include GBU-28, Joint Stand Off Weapon (JSOW), Joint Air-to-Surface Stand-off Missile (JASSM), and the Joint Direct Attack Munition (JDAM). These facilities will be equipped with lightning protection, security system, and back-up power. CURRENT SITUATION: The initial shipments of these new smart conventional munitions were to be delivered in FY98 but were stored at other bases due to non-availability of the facility. Seven B-2 igloos have been constructed for the B-2 beddown for weapons storage. These igloos include capability for access by B-2 mission specific launcher equipment and trailers. The eleven small existing substandard igloos were built in 1953 for conventional weapons storage and training. IMPACT IF NOT PROVIDED: Part of the current taskings for the B-2 envisions the ability to strike and restrike using conventional munitions from Whiteman. The storage for B-2 conventional weapons including B-2 mission specific operational equipment is not/will not be available. Mission implementation will be curtailed without adequate launcher loading and readiness required for the B-2 mission. ADDITIONAL: This project meets the criteria/scope specified in Air Force					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
WHITEMAN AIR FORCE BASE, MISSOURI		
4. PROJECT TITLE	5. PROJECT NUMBER	
B-2 CONVENTIONAL MUNITIONS IGLOOS	YWHG989206	
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 Myers 816-687-3503. Munitions Igloos: 966 SM = 10,398 SF		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX			
WHITEMAN AIR FORCE BASE, MISSOURI				AIR COMBAT COMMAND				1.01			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		316	3037	615				22	92	91	4,173
b. End FY 2005		317	3042	612				22	92	91	4,176
7. INVENTORY DATA (\$000)											
a. Total Acreage: (5,214)											
b. Inventory Total As Of: (30 SEP 99) 3,862,814											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 12,050											
e. Authorization Included In Following Program: (FY 2002) 0											
f. Planned In Next Three Program Years: 11,500											
g. Remaining Deficiency: 62,820											
h. Grand Total: 3,949,184											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY		PROJECT TITLE				SCOPE		COST (\$000)	DESIGN STATUS START CMPL		
422-264	B-2 CONVENTIONAL MUNITIONS IGLOOS					966 SM	4,150	TURN KEY			
422-275	B-2 MUNITIONS ASSEMBLY AREA					LS	7,900	TURN KEY			
TOTAL:							12,050				
9a. Future Projects: Included in the Following Program (FY 2002) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
422-264	B-2 CONVENTIONAL MUNITIONS STORAGE					975 SM	11,500				
10. Mission or Major Functions: A bomber wing with two squadrons of B-2 and 11 T-38 aircraft; and an Air Force Reserve fighter wing with one A/AO-10 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										18,487	

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
WHITEMAN AIR FORCE BASE, MISSOURI			B-2 MUNITIONS ASSEMBLY AREA		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
1.11.27	422-275	YWHG989205R3	7,900		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
B-2 MUNITIONS ASSEMBLY AREA		LS			5,191
BOMB BUILD-UP FACILITY		SM	1,300	1,459	(1,897)
BUILT-UP MUNITIONS STORAGE		SM	14,900	75	(1,118)
RELOCATE SUPPORT OFFICE		SM	930	1,926	(1,791)
RELOCATE RRR TRAINING AREA/GOV PARKING		LS			(210)
CANOPY		SM	350	500	(175)
SUPPORTING FACILITIES					2,266
PAVEMENTS/ROADS/PARKING		SM	17,600	75	(1,320)
UTILITIES/GENERATOR/WATER/SEWER/FENCE		LS			(325)
CRANE/LIGHTNING PRO/SECURITY/COMM SUP		LS			(621)
SUBTOTAL					7,457
TOTAL CONTRACT COST					7,457
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					425
TOTAL REQUEST					7,882
TOTAL REQUEST (ROUNDED)					7,900
10. Description of Proposed Construction: A concrete apron assembly area for built-up munitions storage. The bomb build-up facility will have a concrete foundation and slab, metal siding and roof; with roll-up doors, bridge crane, compressed air system, security system and office area. Relocate support office and RRR training site. Support includes site improvements, lightning protection, utilities, and roads.					
11. REQUIREMENT: 16,200 LS ADEQUATE: 0 SUBSTANDARD: 0 PROJECT: Construct conventional munitions assembly area.(New Mission) REQUIREMENT: The B-2 mission expansion includes conventional munitions capability. A facility is required to assemble and preload modern conventional munitions on B-2 launchers. These new conventional munition types include GBU-28, Joint Standoff Weapon (JSOW), Joint Air-to-Surface Standoff Missile (JASSM), and the Joint Direct Attack Munition (JDAM). This facility will handle dual build-up lines with drive through safety and night time operations. It includes an and administrative area to support supply & munitions handlers. An adequate area is also required to temporarily store pre-built and pre-loaded munitions on trailers (holding area). A support office and training area must be moved to avoid violating quantity-distance criteria driven by the addition of conventional munitions. CURRENT SITUATION: The initial shipments of these new smart conventional munitions were to be delivered in FY98, but were stored at other bases due to the lack of facilities at Whiteman AFB. Currently there is a very limited area to build munitions (one trailer at a time) while following DOD and Air Force directives for munitions distance and fragmentation criteria. The area is small and inhabited by non-related functions. When it is necessary to build munitions, personnel in non-related functions					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
WHITEMAN AIR FORCE BASE, MISSOURI		
4. PROJECT TITLE	5. PROJECT NUMBER	
B-2 MUNITIONS ASSEMBLY AREA	YWHG989205R3	
must be evacuated. The original B-2 mission did not include a large conventional munitions role, therefore facilities or site areas for mass build-up of heavy blast munitions are not available. <u>IMPACT IF NOT PROVIDED:</u> Part of the current taskings for the B-2 envisions the ability to strike and restrike using conventional munitions from Whiteman. The current munition assembly facility cannot support a full generation or regeneration tasking for conventional munitions. The B-2 conventional munitions mission capability will be significantly reduced. Mission implementation will be curtailed without adequate munitions assembly area required for the B-2 mission. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in AFH 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 Brevard. Phone: 816-687-3503. Bomb build-up facility: 1,300 SM = 13,993 SF; Built-up Munitions Storage: 14,900 SM = 160,382 SF; Support Office: 930 SM = 10,010 SF; Canopy: 350 SM = 3,767 SF		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
WHITEMAN AIR FORCE BASE, MISSOURI		
4. PROJECT TITLE		5. PROJECT NUMBER
B-2 MUNITIONS ASSEMBLY AREA		YWHG989205R3
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Project to be accomplished by design-build procedures		
(2) Basis:		
(a)	Standard or Definitive Design -	NO
(b)	Where Design Was Most Recently Used -	N/A
(3)	Design Allowance	395
(3a)	Construction Contract Award Date	01 JAN
(4)	Construction Start	01 AUG
(5)	Construction Completion	02 SEP
(6) Energy Study/Life-Cycle analysis was/will be performed		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
MALMSTROM AIR FORCE BASE, MONTANA				AIR FORCE				COST INDEX			
				SPACE COMMAND				1.12			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		505	3029	375							3,909
b. End FY 2005		504	2940	400							3,844
7. INVENTORY DATA (\$000)											
a. Total Acreage: (3,687)											
b. Inventory Total As Of: (30 SEP 97) 3,549,051											
c. Authorization Not Yet In Inventory: 5,500											
d. Authorization Requested In This Program: 5,300											
e. Authorization Included In Following Program: (FY 2002) 0											
f. Planned In Next Three Program Years: 16,953											
g. Remaining Deficiency: 30,000											
h. Grand Total: 3,606,804											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY											
CODE		PROJECT TITLE				SCOPE		COST (\$000)		DESIGN STATUS START CMPL	
212-216		MINUTEMAN THREE MISSILE SERVICE FACILITY				2,468 SM		5,300		TURN KEY	
TOTAL:								5,300			
9a. Future Projects: Included in the Following Program (FY 2002) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
141-753		HELICOPTER OPERATIONS FACILITY				930 SM		2,250			
215-582		WEAPONS STORAGE AREA PHASE 1				1,800 SM		12,003			
730-832		CONVERT COMMERCIAL GATE				LS		2,700			
10. Mission or Major Functions: A missile wing consisting of four Minuteman intercontinental ballistic missile squadrons (conversion from Minuteman II to Minuteman III on hold) and UH-1 aircraft; and an Air Mobility Command air refueling group with one KC-135 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										36,321	

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
MALMSTROM AIR FORCE BASE, MONTANA		MINUTEMAN III MISSILE SERVICE FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
3.59.96	212-216	NZAS973000	5,300	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
MINUTEMAN III MISSILE SERVICE FACILITY	SM	2,468		4,145
ELECTRONICS AND CODES SHOPS	SM	1,460	1,700	(2,482)
ADMINISTRATIVE	SM	1,008	1,650	(1,663)
SUPPORTING FACILITIES				870
UTILITIES	LS			(450)
SITE IMPROVEMENTS	LS			(120)
PAVEMENTS	LS			(300)
SUBTOTAL				5,015
TOTAL CONTRACT COST				5,015
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				286
TOTAL REQUEST				5,301
TOTAL REQUEST (ROUNDED)				5,300
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, concrete masonry walls, sloped steel roof deck. Includes vehicle and equipment staging/storage, van configuration support, office space, classrooms, two class "A" vaults, critical component storage, technical order library, and all necessary support. Provides minimum antiterrorism/force protection measures. Demolish two facilities. Air Conditioning: 15 KW.				
11. REQUIREMENT: 2,468 SM ADEQUATE: 0 SUBSTANDARD: 1,385 SM PROJECT: Construct a minuteman three (MMIII) missile service facility. (Current Mission) REQUIREMENT: A properly sized, configured and sited facility is required in which missile control codes and electronics laboratory (E-Lab) functions can be accommodated. This project provides space for missile codes production, electronic equipment checkout and repair, critical component and equipment storage, staging and issue, vehicle and equipment loading, vehicle and team dispatch control, precision measurement equipment laboratory (PMEL) work area and storage, training areas, classrooms, and administrative areas. CURRENT SITUATION: The existing building no longer meets the needs of either Codes or E-Lab functions. Both organizations are now forced to accomplish critical tasks in cramped and crowded space. They have outgrown the current space requirements as a result of scheduled modification/upgrades to the Minuteman III ICBM system (e.g., the guidance replacement program). The Codes and E-Lab sections need additional class "A" vault space which is currently inadequate for mission needs. The current vaults are substandard and require multiple waivers of DoD and Air				

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MALMSTROM AIR FORCE BASE, MONTANA		
4. PROJECT TITLE	5. PROJECT NUMBER	
MINUTEMAN III MISSILE SERVICE FACILITY	NZAS973000	
Force security requirements. Insufficient equipment cooling capacity requires make-shift duct work be run directly to test equipment racks to meet cooling requirements. When air conditioning is lost or cooling loads cannot be met during critical component testing, that testing must be reaccomplished. Power is commercially supplied with no back up power supply system. When power is lost, some test equipment may require up to a 3-day warm-up depending on the duration of power loss. In addition, E-Lab personnel are forced to perform most vehicle loading and unloading activities outdoors under severe weather conditions which subjects sensitive electronic nuclear certified components to damaging environments. <u>IMPACT IF NOT PROVIDED:</u> Missile operations and maintenance functions will continue to operate in congested, crowded workcenters that detract from the quality of work performed and the morale of highly trained operators and technicians. Storage of nuclear certified components will continue to displace workers leading to further congestion. E-Lab personnel will continue to perform most vehicle loading and unloading activities outdoors subjecting sensitive equipment to extreme weather conditions. Without back-up power, testing of critical components will require reaccomplishment after power outages degrading the efficiency of the squadron. <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, 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: Lt Col Don Gleason, (406)731-6188. Electronics and Code Shops: 1,460SM = 15,710SF; Administrative: 1,008SM = 10,846SF.		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MALMSTROM AIR FORCE BASE, MONTANA		
4. PROJECT TITLE	5. PROJECT NUMBER	
MINUTEMAN III MISSILE SERVICE FACILITY	NZAS973000	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Project to be accomplished by design-build procedures		
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Design Allowance	265	
(3a) Construction Contract Award Date	00 DEC	
(4) Construction Start	01 APR	
(5) Construction Completion	02 APR	
(6) Energy Study/Life-Cycle analysis was/will be performed	Y	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 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		1.17		
6. PERSONNEL		PERMANENT			STUDENTS		SUPPORTED	
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		551	3618	1348				6,271
b. End FY 2005		552	3540	1343				6,189
7. INVENTORY DATA (\$000)								
a. Total Acreage: (3,661)								
b. Inventory Total As Of: (30 SEP 99) 9,407,518								
c. Authorization Not Yet In Inventory: 0								
d. Authorization Requested In This Program: 9,772								
e. Authorization Included In Following Program: (FY 2002) 0								
f. Planned In Next Three Program Years: 20,000								
g. Remaining Deficiency: 57,220								
h. Grand Total: 9,494,510								
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001								
CATEGORY		PROJECT TITLE		SCOPE	COST (\$000)	DESIGN	STATUS	
CODE						START	CMPL	
740-674	FITNESS CENTER			4,750 SM	9,772	JAN 99	SEP 00	
TOTAL:					9,772			
9a. Future Projects: Included in the Following Program (FY 2002) NONE								
9b. Future Projects: Typical Planned Next Three Years:								
442-758	AIR FREIGHT TERMINAL/BASE			11,037 SM	20,000			
SUPPLY COMPLEX								
10. Mission or Major Functions: Headquarters 21st 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 a NJ-ANG 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							65,668	

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
MCGUIRE AIR FORCE BASE, NEW JERSEY			FITNESS CENTER		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
4.18.96	740-674	PTFL963002	9,772		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
FITNESS CENTER	SM	4,750	1,518	7,211	
SUPPORTING FACILITIES				2,034	
UTILITIES	LS			(640)	
PAVEMENTS	LS			(320)	
SITE IMPROVEMENTS	LS			(416)	
DEMOLITION	SM	3,870	90	(348)	
COMMUNICATIONS SUPPORT	LS			(310)	
SUBTOTAL				9,245	
TOTAL CONTRACT COST				9,245	
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				527	
TOTAL REQUEST				9,772	
TOTAL REQUEST (ROUNDED)				9,772	
10. Description of Proposed Construction: Two-story facility with structural steel frame, brick exterior walls, sloped roof system, indoor running track, gymnasium, racquetball courts, specialized flooring, mechanical/electrical/fire protection and detection/communications systems and other necessary support. Demolish one facility (3,870 SM). Air Conditioning: 150 KW.					
11. REQUIREMENT: 4,750 SM ADEQUATE: 0 SUBSTANDARD: 3,870 SM PROJECT: Fitness Center. (Current Mission) REQUIREMENT: An adequately sized and properly configured facility is required for the daily training and exercise for the base population. Space is required for basketball, volleyball, racquetball, and handball courts, an indoor running track, weight room, and men's and women's locker and shower rooms. This project also includes space for the wellness center for a one-stop shopping approach for health, wellness, and fitness. CURRENT SITUATION: The existing facility is not large enough to accommodate all the programs necessary to maintain a well-balanced offering of aerobic and anaerobic activities as well as individual and team sports. The center must currently accommodate 24 programs but the existing space is not configured to handle additional needed activity space. Overcrowding has become a problem despite 18-hour operations to meet the needs of flightline personnel and air crews supporting the KC-10 and mobility mission. The expanded demand for circuit training has forced the staff to use the badly needed court space in the main gymnasium for circuit training equipment (universal, nautilus, resistance training, stationary cycles, etc.), resulting in damage to the existing court space. Existing materials and finishes, due to constant usage of the facility,					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MCGUIRE AIR FORCE BASE, NEW JERSEY		
4. PROJECT TITLE	5. PROJECT NUMBER	
FITNESS CENTER	PTFL963002	
have degraded and in some cases caused safety hazards in physical training areas. <u>IMPACT IF NOT PROVIDED:</u> The sports and physical fitness center will not be able to provide adequate services to base personnel that depend on this facility for sports and physical fitness activities required to support military duty and a healthy life style. This will result in degraded morale and mission effectiveness. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." This project also meets the criteria/scope specified in the AMC "Guide to Excellent Services Facilities." An economic analysis has been prepared comparing alternatives of new construction, addition/alteration, and status quo. New construction was found to be the most cost-effective over the life of the project. BASE CIVIL ENGINEER: Lt Col Seb Romano, (609) 724-3033. Fitness Center: 4,750 SM = 51,130 SF		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
MCGUIRE AIR FORCE BASE, NEW JERSEY		
4. PROJECT TITLE	5. PROJECT NUMBER	
FITNESS CENTER	PTFL963002	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		Design, Bid, Build
(1) Status:		
(a) Date Design Started		99 JAN 26
(b) Parametric Cost Estimates used to develop costs		Y
* (c) Percent Complete as of Jan 2000		15%
* (d) Date 35% Designed.		00 JAN 30
(e) Date Design Complete		00 SEP 10
(f) Energy Study/Life-Cycle analysis was/will be performed		Y
(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		612
(b) All Other Design Costs		306
(c) Total		918
(d) Contract		765
(e) In-house		153
(3a) Construction Contract Award Date		01 APR
(4) Construction Start		01 MAY
(5) Construction Completion		02 MAY
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
POPE AIR FORCE BASE, NORTH CAROLINA				AIR MOBILITY COMMAND				COST INDEX 0.88			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		667	4313	318				57	190	80	5,625
b. End FY 2005		668	4267	312				57	190	80	5,574
7. INVENTORY DATA (\$000)											
a. Total Acreage: (1,875)											
b. Inventory Total As Of: (30 SEP 99) 5,571,909											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 24,570											
e. Authorization Included In Following Program: (FY 2002) 17,215											
f. Planned In Next Three Program Years: 4,900											
g. Remaining Deficiency: 86,800											
h. Grand Total: 5,705,394											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY						COST		DESIGN STATUS			
CODE	PROJECT TITLE	SCOPE				(\$000)	START	CMPL			
116-662	DANGEROUS CARGO PADS	LS				24,570	JAN 99	SEP 00			
TOTAL:						24,570					
9a. Future Projects: Included in the Following Program (FY 2002)											
211-159	C-130 CORROSION CONTROL FACILITY	6,500 SM				17,215					
TOTAL:						17,215					
9b. Future Projects: Typical Planned Next Three Years:											
721-312	DORMITORY	96 RM				4,900					
10. Mission or Major Functions: An airlift wing with two C-130 squadrons; a fighter operations group with two A/OA-10 squadrons; and two AFSOC squadrons, an air support operations group, and the USAF Combat Control School.											
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										33,437	

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
POPE AIR FORCE BASE, NORTH CAROLINA			DANGEROUS CARGO PADS		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
4.18.96	116-662	TMKH013009	24,570		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DANGEROUS CARGO PADS		SM	162,800		14,459
CONCRETE APRON AND TAXIWAY		SM	102,800	110	(11,308)
STRESSED ASPHALT APRON AND SHOULDERS		SM	33,000	59	(1,947)
NON-STRESSED ASPHALT SHOULDERS		SM	27,000	41	(1,107)
LIGHTING/MARSHALING/PARKING AREA		SM	3,115	31	(97)
SUPPORTING FACILITIES					8,786
UPGRADE PAVEMENTS TO SUPPORT K-LOADERS		LS			(930)
UTILITIES		LS			(3,442)
SITE IMPROVEMENTS		LS			(3,128)
ENVIRONMENTAL REMEDIATION		LS			(1,286)
SUBTOTAL					23,245
TOTAL CONTRACT COST					23,245
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					1,325
TOTAL REQUEST					24,570
TOTAL REQUEST (ROUNDED)					24,570
10. Description of Proposed Construction: Construct dangerous cargo pads to include aircraft loading and munitions marshalling area. Construct connecting taxiways, asphalt shoulders, and install airfield pavement lighting and marking, environmental remediation, and supporting utilities. Demolish pavement (24,000 SM).					
11. REQUIREMENT: As required.					
PROJECT: Construct five dangerous cargo pads. (Current Mission)					
REQUIREMENT: Adequately sized, dangerous cargo pads, located within the explosive quantity/distance zone, are required to support loading and unloading of explosives or other dangerous cargo. These pads must be able to support fully loaded military and Civil Reserve Air Fleet (CRAF) wide-bodied large frame aircraft. These pads are required to support US SOCOM, Joint Chiefs of Staff, Joint Special Operations Command, and 43 Air Wing plans for the deployment of the US Army 18th Airborne Corps and the 82nd Airborne Division. Hydrant refueling and isolator valve pits connected to the existing hydrant refueling system are also required to support quick aircraft turnaround. Taxiways are required to provide aircraft access/egress.					
CURRENT SITUATION: Hazardous cargo loading/unloading is currently performed on four remote taxiways. These taxiways are located within and violate the 1,000 foot safety clearance zone (from the centerline of the runway) and explosive quantity/distance criteria. Using these narrow taxiways for dangerous cargo pads restricts aircraft maneuverability, restricts and fragments cargo loading/unloading operations and presents a constant foreign object damage (FOD) hazard when either C-5 or KC-10 aircraft load/unload dangerous cargo. The current configuration allows two C-5 aircraft to become trapped in the area if one breaks down or has					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
POPE AIR FORCE BASE, NORTH CAROLINA		
4. PROJECT TITLE	5. PROJECT NUMBER	
DANGEROUS CARGO PADS	TMKH013009	
trouble loading. This requires closing the runway until the aircraft can be towed from the area. <u>IMPACT IF NOT PROVIDED:</u> If this project is not accomplished, continued additional sorties will continue to be required to meet major theater war deployment requirements. Closing the runway (due to removing inoperable aircraft from one of the four remote taxiways) would make it impossible to support training and contingency operations associated with both Pope AFB's and the Army's wartime mission. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in the Air Force Handbook 32-1084, "Civil Engineering Facility Requirements." A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, and new construction) was done. It indicates new construction is the only option that will satisfy operational requirements. Therefore, a full economic analysis was not performed. BASE CIVIL ENGINEER: Lt Col John Cawthorne, (910) 394-2561 Concrete Apron and Taxiway: 102,800SM = 1,106,530SF; Stressed Asphalt Apron and Shoulders: 33,000SM = 355,209SF; Non-Stressed Asphalt and Shoulders: 27,000SM = 290,626SF; Lighting/Marshalling/Parking Area: 3,115 SM = 33,530 SF		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
POPE AIR FORCE BASE, NORTH CAROLINA		
4. PROJECT TITLE	5. PROJECT NUMBER	
DANGEROUS CARGO PADS	TMKH013009	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		Design, Bid, Build
(1) Status:		
(a) Date Design Started		99 JAN 26
(b) Parametric Cost Estimates used to develop costs		Y
* (c) Percent Complete as of Jan 2000		15%
* (d) Date 35% Designed.		99 AUG 30
(e) Date Design Complete		00 SEP 15
(f) Energy Study/Life-Cycle analysis was/will be performed		NA
(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		1560
(b) All Other Design Costs		780
(c) Total		2340
(d) Contract		1950
(e) In-house		390
(3a) Construction Contract Award Date		01 FEB
(4) Construction Start		01 MAR
(5) Construction Completion		03 MAR
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 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				0.97	
6. PERSONNEL		PERMANENT		STUDENTS		SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL
a. As of 30 SEP 99		2914	2784	10740	5			81	138
b. End FY 2005		2645	2713	10138				81	138
		169						169	
									20,831
									19,884
7. INVENTORY DATA (\$000)									
a. Total Acreage: (8,167)									
b. Inventory Total As Of: (30 SEP 99) 997,465									
c. Authorization Not Yet In Inventory: 0									
d. Authorization Requested In This Program: 22,600									
e. Authorization Included In Following Program: (FY 2002) 19,500									
f. Planned In Next Three Program Years: 26,015									
g. Remaining Deficiency: 150,500									
h. Grand Total: 1,216,080									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001									
CATEGORY				COST		DESIGN		STATUS	
CODE	PROJECT TITLE	SCOPE		(\$000)	START	CMPL			
113-321	REPLACE WEST RAMP, PHASE I	LS		22,600	TURN KEY				
TOTAL:				22,600					
9a. Future Projects: Included in the Following Program (FY 2002)									
311-173	ACQUISITION MANAGEMENT	8,500 SM		19,500					
COMPLEX, PH-4B									
TOTAL:				19,500					
9b. Future Projects: Typical Planned Next Three Years:									
310-921	CONSOLIDATED TOXIC HAZARDS	5,600 SM		14,200	TURN KEY				
LABORATORY									
721-312	DORMITORY	144 RM		9,200					
851-147	BASE ENTRANCE (GATE 1B)	LS		2,615					
10. Mission or Major Functions: AFMC Headquarters which is responsible for direction of research, acquisition and logistics support for air and space weapons systems and related components; Aeronautical Systems Center; Air Force Research Laboratories; Air Force Institute of Technology; Air Force Museum; National Aerospace Intelligence Center; Air Force Reserve wing with two C-141 airlift squadrons; and an AMC flight with one C-21 logistics group.									
11. Outstanding pollution and safety (OSHA) deficiencies:									
a. Air pollution:				5,800					
b. Water pollution:				0					
c. Occupational safety and health:				0					
d. Other Environmental:				11,500					
12. Real Property Maintenance Backlog This Installation				45,863					

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
WRIGHT-PATTERSON AIR FORCE BASE, OHIO			REPLACE WEST RAMP, PHASE I		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
7.28.96	113-321	ZHTV033201	22,600		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE WEST RAMP, PHASE I		LS			21,497
WEST RAMP APRONS		SM	197,117	88	(17,346)
PAVED SHOULDER		SM	46,071	38	(1,751)
LIQUID FUEL PIPELINES & PITS		LS			(2,400)
SUBTOTAL					21,497
TOTAL CONTRACT COST					21,497
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					1,225
TOTAL REQUEST					22,722
TOTAL REQUEST (ROUNDED)					22,600
10. Description of Proposed Construction: Remove and replace existing concrete pavement and base at the West ramp parking Aaron, and adjacent paved shoulders, replace hydrant fueling system, fuel pits, and underground utilities. Include the necessary demolition, cleanup, marking, lighting, and all necessary support.					
11. REQUIREMENT: As required.					
PROJECT: Replace west ramp, phase I. (Current Mission)					
REQUIREMENT: Replacement of the existing concrete pavement and base at the west ramp parking apron, adjacent shoulders, hydrant fuel system, underground utilities, and lighting is required. An increase in grade of gross slope of the ramp is required to improve the existing drainage system and to keep the subsurface water away from the slabs. The Air Force Civil Engineering Support Agency's (AFCEA) pavement evaluation report prepared in 1998 recommended reconstruction of the west ramp, and adjacent taxiways. The west ramp pavement's condition was rated poor, and the adjacent taxiways pavement's condition was rated poor and very poor. These areas are highly utilized by the 445th Airlift Wing's C-141B aircraft which fly approximately 1,100 sorties annually.					
CURRENT SITUATION: The west ramp and taxiway pavements that lead in and out of the west ramp were constructed in 1959. Numerous repair projects on the taxiways over the last 30 years have repaired durability cracked areas, replaced random slabs, and replaced joint sealants. The most common deterioration of the taxiways are longitudinal cracks, durability cracking, spalling, and patching. The west ramp apron areas are in similar condition to the taxiways and the deterioration is identical. Extensive patchwork has been completed to maintain these old pavements on the West Ramp. Unfortunately, durability cracking continues to occur in					

1. COMPONENT	FY 2001 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 WEST RAMP, PHASE I	ZHTV033201	
the original pavement and in some patches. Some areas show initial stages of durability cracking, and others show durability cracking in its later stages. The cracks have laced together and begun to break apart and spall. A considerable amount of foreign object damage (FOD) is generated by these distresses which causes operational problems. <u>IMPACT IF NOT PROVIDED:</u> Maintenance and repair cost will continue to escalate. Each repair project puts severe restrictions on the aircraft mission during construction. Mission accomplishment will be hampered by the inadequate, and poor condition of these airfield pavements. In addition, there is a higher risk to aircraft and personnel due to the relatively higher level of FOD associated with repaired pavements versus replaced pavements. If these situation continues, it could result in serious and irreparable consequences. <u>ADDITIONAL:</u> This project meets the criteria/scope as specified in Air Force Handbook 32-1084, "Facility Requirements". Base Civil Engineer: Col Jeffery Charles (937) 257-6214. Replace West Ramp, Phase I: 197,117 SM = 2,121,000 SF; 46,071 SM = 49,500 SF		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)	2. DATE
3. INSTALLATION AND LOCATION WRIGHT-PATTERSON AIR FORCE BASE, OHIO		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE WEST RAMP, PHASE I	ZHTV033201	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Project to be accomplished by design-build procedures		
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Design Allowance	1130	
(3a) Construction Contract Award Date	00 DEC	
(4) Construction Start	01 APR	
(5) Construction Completion	02 OCT	
(6) Energy Study/Life-Cycle analysis was/will be performed	Y	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)				2. DATE	
AIR FORCE							
3. INSTALLATION AND LOCATION				4. COMMAND		5. AREA CONST	
TINKER AIR FORCE BASE, OKLAHOMA				AIR FORCE MATERIEL COMMAND		COST INDEX 0.86	
6. PERSONNEL		PERMANENT		STUDENTS		SUPPORTED	
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 99		1081	5076	13707		851	620
b. End FY 2005		1097	5045	14257		851	620
7. INVENTORY DATA (\$000)							
a. Total Acreage: (4,886)							
b. Inventory Total As Of: (30 SEP 99) 8,338,950							
c. Authorization Not Yet In Inventory: 0							
d. Authorization Requested In This Program: 18,180							
e. Authorization Included In Following Program: (FY 2002) 17,300							
f. Planned In Next Three Program Years: 45,300							
g. Remaining Deficiency: 124,100							
h. Grand Total: 8,543,830							
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001							
CATEGORY		PROJECT TITLE		SCOPE	COST (\$000)	DESIGN STATUS	
CODE						START	CMPL
211-159	DEPOT CORROSION CONTROL STRIP FACILITY(WORKING CAPITAL FUND)		5,065 SM	12,380	TURN KEY		
721-312	DORMITORY		96 RM	5,800	TURN KEY		
TOTAL:					18,180		
9a. Future Projects: Included in the Following Program (FY 2002)							
217-742	COMBAT COMMUNICATIONS SQUADRON OPERATIONS COMPLEX		2,800 SM	8,700			
721-312	DORMITORY		144 RM	8,600			
TOTAL:					17,300		
9b. Future Projects: Typical Planned Next Three Years:							
141-764	ADD TO INTEGRATION SUPPORT FACILITY		2,726 SM	6,300			
141-764	SOFTWARE SUPPORT FACILITY		6,690 SM	12,600			
211-254	ALTER DEPOT PLATING SHOP		LS	9,600			
721-312	DORMITORY		144 RM	9,300			
721-312	DORMITORY		120 RM	7,500			
10. Mission or Major Functions: Oklahoma City Air Logistics Center which is responsible for logistics management, support, and depot-level maintenance, repair and overhaul of B-1, B-2, B-52, KC-135, and E-3 aircraft and aircraft engines; an air base wing; an Air Combat Command Air Control Wing with four 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 Installations Wing. A major tenant is the US Navy Strategic Command (TACAMO) Wing with E-6 aircraft.							
11. Outstanding pollution and safety (OSHA) deficiencies:							
a. Air pollution:						5,800,000	
b. Water pollution:						3,124,000	
c. Occupational safety and health:						0	
d. Other Environmental:						0	
12. Real Property Maintenance Backlog This Installation						59,288	

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
TINKER AIR FORCE BASE, OKLAHOMA			DEPOT CORROSION CONTROL STRIP FACILITY (WORKING CAPITAL FUND)		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
7.28.96	211-159	WWYK983156	12,380		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DEPOT CORROSION CONTROL STRIP FACILITY		SM	5,065	2,000	10,130
SUPPORTING FACILITIES					1,530
UTILITIES		LS			(680)
PAVEMENT		LS			(400)
SPECIAL FOUNDATION (DRILLED PIERS)		LS			(200)
SITE IMPROVEMENTS		LS			(250)
SUBTOTAL					11,660
TOTAL CONTRACT COST					11,660
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					665
TOTAL REQUEST					12,325
TOTAL REQUEST (ROUNDED)					12,380
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(11,400)
10. Description of Proposed Construction: One-bay structure with concrete slab on pier and grade beam, steel frame, masonry walls, roof, fire wall, fire suppression system, and all other necessary support. Air Conditioning: 35 KW.					
11. REQUIREMENT: 29,622 SM ADEQUATE: 24,557 SM SUBSTANDARD: 3,885 SM PROJECT: Construct a depot corrosion control strip facility. (Current Mission) REQUIREMENT: An environmentally safe paint stripping facility is required to perform corrosion control for all presently assigned aircraft (B-1, B-52, KC-135, E-3 etc.). The facility must incorporate the most modern paint stripping technologies and reduce the use of volatile organic compounds (VOCs) as stripping agents. CURRENT SITUATION: Implementation of the Clean Air Act Amendment of 1990 and the National Emission Standards for Hazardous Air Pollutants (NESHAP) of 1998, requires significant reduction in VOC emissions from paint stripping. Plans are underway to reduce the VOC emissions with a new manual dry media blast technology. The existing facilities are not large enough to accommodate E-3 and B-52 aircraft utilizing the new dry blast system. Currently E-3 aircraft are stripped in an existing paint bay reducing the capacity needed to support painting of the assigned aircraft. IMPACT IF NOT PROVIDED: A shortfall in depot aircraft strip capabilities will exist at Tinker AFB. Critical depot aircraft corrosion control will be deferred or contracted to an outside source at greater expense. The new strip technology must be incorporated into the corrosion control process to ensure compliance with the NESHAP and continue to meet customer needs.					

1. COMPONENT	FY 2001 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	
DEPOT CORROSION CONTROL STRIP FACILITY (WORKING CAPITAL FUND)	WWYK983156	
needs. ADDITIONAL: 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, revitalization, leasing, contracting and status quo alternatives. Based on the net present values and benefits of 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 on 20 May 98. Base Civil Engineer: Lt Col Mohsen Parhizkar, (405) 734-3451. Depot Corrosion Control Strip Facility: 5065SM = 54,500SF.		

1. COMPONENT		2. DATE	
FY 2001 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)			
3. INSTALLATION AND LOCATION			
TINKER AIR FORCE BASE, OKLAHOMA			
4. PROJECT TITLE		5. PROJECT NUMBER	
DEPOT CORROSION CONTROL STRIP FACILITY(WORKING CAPITAL FUND)		WWYK983156	
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Project to be accomplished by design-build procedures			
(2) Basis:			
(a) Standard or Definitive Design -		NO	
(b) Where Design Was Most Recently Used -		N/A	
(3) Design Allowance		619	
(3a) Construction Contract Award Date		00 DEC	
(4) Construction Start		01 MAY	
(5) Construction Completion		02 NOV	
(6) Energy Study/Life-Cycle analysis was/will be performed		Y	
b. Equipment associated with this project will be provided from other appropriations:			
EQUIPMENT	PROCURING	FISCAL YEAR	COST
NOMENCLATURE	APPROPRIATION	APPROPRIATED	
		OR REQUESTED	(\$000)
INITIAL OUTFITTING EQUIPMENT	DMAG	FY2001	11400

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)					2. DATE	
AIR FORCE								
3. INSTALLATION AND LOCATION				4. COMMAND			5. AREA CONST	
TINKER AIR FORCE BASE, OKLAHOMA				AIR FORCE			COST INDEX	
				MATERIEL COMMAND			0.86	
6. PERSONNEL		PERMANENT		STUDENTS		SUPPORTED		
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		1081	5076	13707				851 620 21,335
b. End FY 2005		1097	5045	14257				851 620 21,870
7. INVENTORY DATA (\$000)								
a. Total Acreage: (4,886)								
b. Inventory Total As Of: (30 SEP 99) 8,338,950								
c. Authorization Not Yet In Inventory: 0								
d. Authorization Requested In This Program: 18,180								
e. Authorization Included In Following Program: (FY 2002) 17,300								
f. Planned In Next Three Program Years: 45,300								
g. Remaining Deficiency: 124,100								
h. Grand Total: 8,543,830								
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001								
CATEGORY		PROJECT TITLE		SCOPE	COST (\$000)	DESIGN	STATUS	
CODE						START	CMPL	
211-159	DEPOT CORROSION CONTROL STRIP			5,065 SM	12,380	TURN	KEY	
	FACILITY(WORKING CAPITAL FUND)							
721-312	DORMITORY			96 RM	5,800	TURN	KEY	
				TOTAL:	18,180			
9a. Future Projects: Included in the Following Program (FY 2002)								
217-742	COMBAT COMMUNICATIONS			2,800 SM	8,700			
	SQUADRON OPERATIONS COMPLEX							
721-312	DORMITORY			144 RM	8,600			
				TOTAL:	17,300			
9b. Future Projects: Typical Planned Next Three Years:								
141-764	ADD TO INTEGRATION SUPPORT			2,726 SM	6,300			
	FACILITY							
141-764	SOFTWARE SUPPORT FACILITY			6,690 SM	12,600			
211-254	ALTER DEPOT PLATING SHOP			LS	9,600			
721-312	DORMITORY			144 RM	9,300			
721-312	DORMITORY			120 RM	7,500			
10. Mission or Major Functions: Oklahoma City Air Logistics Center which is responsible for logistics management, support, and depot-level maintenance, repair and overhaul of B-1, B-2, B-52, KC-135, and E-3 aircraft and aircraft engines; an air base wing; an Air Combat Command Air Control Wing with four 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 Installations Wing. A major tenant is the US Navy Strategic Command (TACAMO) Wing with E-6 aircraft.								
11. Outstanding pollution and safety (OSHA) deficiencies:								
a. Air pollution:		5,800,000						
b. Water pollution:		3,124,000						
c. Occupational safety and health:		0						
d. Other Environmental:		0						
12. Real Property Maintenance Backlog This Installation								59,288

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
TINKER AIR FORCE BASE, OKLAHOMA			DORMITORY (96 RM)		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
7.28.96	721-312	WWYK003008	5,800		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (96 RM)					4,530
DORMITORY		SM	3,168	1,430	(4,530)
SUPPORTING FACILITIES					995
UTILITIES		LS			(450)
PAVEMENTS		LS			(350)
SITE IMPROVEMENTS		LS			(125)
RELOCATE BALL FIELD		LS			(70)
SUBTOTAL					5,525
TOTAL CONTRACT COST					5,525
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					315
TOTAL REQUEST					5,840
TOTAL REQUEST (ROUNDED)					5,800
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, and all other supporting facilities. Relocate ball field. Air Conditioning: 200 KW. Grade Mix: 96 E1-E4.					
11. REQUIREMENT: 1,489 RM ADEQUATE: 624 RM SUBSTANDARD: 188 RM 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. This project is in accordance with the Air Force Dormitory Master Plan. CURRENT SITUATION: As verified by the Air Force Dormitory Master Plan, the base has insufficient facilities to adequately accommodate permanent party unaccompanied enlisted personnel required to live on-base per Air Force policy. IMPACT IF NOT PROVIDED: Adequate living quarters will continue to be unavailable resulting in degradation of morale, productivity, and career 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 construction standard, known as "one-plus-one," established by OSD. All known alternative options were considered during the development of this project. No other option could meet the mission					

1. COMPONENT	FY 2001 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	
DORMITORY (96 RM)	WWYK003008	
requirements; therefore, no economic analysis was needed or performed. FY 1998 Unaccompanied Housing RPM conducted: \$612K. FY 1999 Unaccompanied Housing RPM conducted: \$636K. Future Unaccompanied Housing RPM requirements (estimated): FY00: \$655K; FY01: \$765K; FY02: \$695; FY03: \$716K. Base Civil Engineer: Lt Col Mohsen parhizkar, (405) 734-3451. Dormitory: 3,168SM = 34,088SF.		

1. COMPONENT	FY 2001 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	
DORMITORY (96 RM)	WWYK003008	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Project to be accomplished by design-build procedures		
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	TINKER	
(3) Design Allowance	290	
(3a) Construction Contract Award Date	00 DEC	
(4) Construction Start	01 MAR	
(5) Construction Completion	02 JUN	
(6) Energy Study/Life-Cycle analysis was/will be performed	Y	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
CHARLESTON AIR FORCE BASE, SOUTH CAROLINA				AIR MOBILITY COMMAND				COST INDEX 0.89			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		420	2788	865				21	65	6	4,165
b. End FY 2005		420	2747	865				21	65	6	4,124
7. INVENTORY DATA (\$000)											
a. Total Acreage: (3,733)											
b. Inventory Total As Of: (30 SEP 99) 1,591,795											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 2,500											
e. Authorization Included In Following Program: (FY 2002) 9,800											
f. Planned In Next Three Program Years: 9,000											
g. Remaining Deficiency: 89,400											
h. Grand Total: 1,702,495											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START	CMPL		
171-212	C-17 ADD TO FLIGHT SIMULATOR FACILITY			425 SM		2,500		JAN 99	SEP 00		
TOTAL:						2,500					
9a. Future Projects: Included in the Following Program (FY 2002)											
111-111	REPAIR RUNWAY NORTH FIELD			220,244 SM		9,800					
TOTAL:						9,800					
9b. Future Projects: Typical Planned Next Three Years:											
442-758	MOBILITY CENTER/BASE SUPPLY WAREHOUSE			10,500 SM		9,000					
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; and a combat camera squadron.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:										0	
b. Water pollution:										0	
c. Occupational safety and health:										13,200	
d. Other Environmental:										0	
12. Real Property Maintenance Backlog This Installation										33,829	

1. COMPONENT		2. DATE	
AIR FORCE		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	
3. INSTALLATION AND LOCATION		4. PROJECT TITLE	
CHARLESTON AIR FORCE BASE, SOUTH CAROLINA		C-17 ADD TO FLIGHT SIMULATOR FACILITY	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
4.11.30	171-212	DKFX963032	2,500
9. COST ESTIMATES			
ITEM	U/M	QUANTITY	COST (\$000)
C-17 ADD TO FLIGHT SIMULATOR FACILITY	SM	425	1,020
SUPPORTING FACILITIES			1,341
UTILITIES	LS		(190)
PAVEMENTS	LS		(70)
SITE IMPROVEMENTS	LS		(235)
SEISMIC	LS		(50)
DEMOLITION/ASBESTOS	SM	1,600	(706)
COMM SUPPORT	LS		(90)
SUBTOTAL			2,361
TOTAL CONTRACT COST			2,361
SUPERVISION, INSPECTION AND OVERHEAD (6%)			142
TOTAL REQUEST			2,503
TOTAL REQUEST (ROUNDED)			2,500
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)			(20,000)
10. Description of Proposed Construction: Demolition of existing exterior wall, construction of two-story addition to existing simulator facility with high bay area, sloped roof, concrete foundation and floor slab, exterior masonry walls with brick veneer to match existing facility, and necessary support. Demolish two facilities in the way of construction (1,600SM). Air Conditioning: 88 KW.			
11. REQUIREMENT: 2,115 SM ADEQUATE: 1,690 SM SUBSTANDARD: 0 PROJECT: Add to a C-17 flight simulator facility. (New Mission) REQUIREMENT: An addition is required to provide an adequate facility to house a full-motion (six axes) flight simulator for the C-17 aircrews in support of the beddown of the remaining 14 C-17 aircraft scheduled to arrive at Charleston, bringing the total number of aircraft on base to 48. This simulator will provide proficiency and effective mission procedures training. It is essential for providing hazardous emergency training that cannot otherwise be conducted. Required areas include a simulator bay, computer room, briefing room, and an associated hydraulic area. Facility construction is required in FY01 to support the FY02 equipment delivery date. CURRENT SITUATION: This project is the second phase of a two-phase program to construct a flight simulator addition for the beddown of the C-17 aircraft at this installation. The first phase provided two bays and was approved in the FY89 MILCON program to support initial delivery of the new aircraft. This addition will provide the final bay needed to support C-17 aircrew training requirements. IMPACT IF NOT PROVIDED: A complete beddown of the C-17 aircraft cannot be			

1. COMPONENT	FY 2001 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 ADD TO FLIGHT SIMULATOR FACILITY	DKFX963032	
accomplished without providing required flight simulator facilities for training aircrews. A delay in required construction could also lead to liability claims against the government from the simulator contractor for not providing adequate facilities when the equipment is ready. <u>ADDITIONAL:</u> 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, new construction, addition) was done. It indicates an addition to the existing C-17 flight simulator 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: Lt Col Tony Cox, (808) 963-4956. C-17 Add to Flight Simulator Facility: 425 SM = 4,575 SF		

1. COMPONENT	FY 2001 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 ADD TO FLIGHT SIMULATOR FACILITY		DKFX963032	
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Project to be accomplished by design-build procedures			
(2) Basis:			
(a) Standard or Definitive Design -			NO
(b) Where Design Was Most Recently Used -			N/A
(3) Design Allowance			230
(3a) Construction Contract Award Date			01 JUN
(4) Construction Start			01 JUN
(5) Construction Completion			02 JUL
(6) Energy Study/Life-Cycle analysis was/will be performed			
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	2000	20000

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
AIR FORCE											
3. INSTALLATION AND LOCATION						4. COMMAND				5. AREA CONST COST INDEX	
SHAW AIR FORCE BASE, SOUTH CAROLINA						AIR COMBAT COMMAND				0.86	
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		649	4534	481				8	18	98	5,788
b. End FY 2005		623	4501	476				8	18	98	5,724
7. INVENTORY DATA (\$000)											
a. Total Acreage: (3,387)											
b. Inventory Total As Of: (30 SEP 99) 4,176,816											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 2,850											
e. Authorization Included In Following Program: (FY 2002) 0											
f. Planned In Next Three Program Years: 5,000											
g. Remaining Deficiency: 80,660											
h. Grand Total: 4,265,326											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY						COST		DESIGN STATUS			
CODE	PROJECT TITLE	SCOPE				(\$000)	START	CMPL			
141-454	USCENTAF OPERATIONAL WEATHER SQUADRON FACILITY	1,366 SM				2,850	NOV 99	SEP 00			
TOTAL:						2,850					
9a. Future Projects: Included in the Following Program (FY 2002) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
722-351	DINING FACILITY	1,898 SM				5,000					
10. Mission or Major Functions: Headquarters Ninth Air Force; a fighter wing with four F-16 squadrons; an information warfare squadron; an air support operations squadron, and a tactical air control 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										6,039	

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
SHAW AIR FORCE BASE, SOUTH CAROLINA		USCENTAF OPERATIONAL WEATHER SQUADRON FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
35111	141-454	VLSB013001	2,850	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
USCENTAF OPERATIONAL WEATHER SQUADRON FACILITY	SM	1,366	1,361	1,859
SUPPORTING FACILITIES				832
UTILITIES	LS			(315)
PAVEMENTS	LS			(255)
SITE IMPROVEMENTS	LS			(175)
DEMOLITION (DISPOSAL OF INTERIM FAC)	SM	1,330	20	(27)
COMMUNICATION SUPPORT (PREWIRING)	LS			(60)
SUBTOTAL				2,691
TOTAL CONTRACT COST				2,691
SUPERVISION, INSPECTION AND OVERHEAD (6%)				161
TOTAL REQUEST				2,852
TOTAL REQUEST (ROUNDED)				2,850
10. Description of Proposed Construction: Metal frame building, concrete floor and foundation, prefinished masonry exterior panels, and standing seam metal roof; parking, access road, sidewalks, fencing, and utilities will be included. Space will be provided for command, evaluation and standardization, production, training, forecast, and communication divisions. Disposal of 1330 SM in interim facilities. Air Conditioning: 122 KW.				
11. REQUIREMENT: 1,366 SM ADEQUATE: 0 SUBSTANDARD: 0 PROJECT: Construct an operations facility for an Operational Weather Squadron. (New Mission) REQUIREMENT: Provide adequate facilities to support the beddown of a weather squadron as part of the Air Force direction weather mission. Space will be provided for command, evaluation and standardization, production, training, forecast, and communication divisions. This squadron will provide theater/regional weather forecast guidance for the planning and execution of Air Force and Army operations within a particular theater or CONUS region 24 hours a day, seven days a week. This squadron will produce drop zone, range, and air refueling forecasts, fine-scale target forecasts, weather warnings, terminal forecasts, and transient aircrew briefings. CURRENT SITUATION: This facility will provide for consolidation of weather personnel from Army and Air Force installations for theater/regional weather forecasting. The full complement of personnel and equipment to achieve an initial operational capability arrived in 1998. Full operational capability for this 148 person squadron is FY 2001. There are no other facilities on the installation that provide				

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
SHAW AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE	5. PROJECT NUMBER	
USCENTAF OPERATIONAL WEATHER SQUADRON FACILITY	VLSB013001	
sufficient space for this new mission requirement. <u>IMPACT IF NOT PROVIDED:</u> This squadron is vital in providing weather data for the commander of US Air Forces. Without the required facilities, this unit will be unable to accomplish its mission. <u>ADDITIONAL:</u> This project meets the criteria and scope specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, leasing, new construction) was done. New construction is the only option that could meet mission requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. Base Civil Engineer: Lt Col Edward H Henson. Phone: 803-668-3413.		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
SHAW AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE	5. PROJECT NUMBER	
USCENTAF OPERATIONAL WEATHER SQUADRON FACILITY	VLSB013001	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		Design, Bid, Build
(1) Status:		
(a) Date Design Started		99 NOV 03
(b) Parametric Cost Estimates used to develop costs		Y
* (c) Percent Complete as of Jan 2000		35%
* (d) Date 35% Designed.		00 JAN 01
(e) Date Design Complete		00 SEP 01
(f) Energy Study/Life-Cycle analysis was/will be performed		Y
(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		171
(b) All Other Design Costs		86
(c) Total		257
(d) Contract		214
(e) In-house		43
(3a) Construction Contract Award Date		01 JAN
(4) Construction Start		01 MAR
(5) Construction Completion		02 MAR
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 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	
		OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 99		675	4283	345		26	67 70
b. End FY 2005		672	4282	344		26	67 70
7. INVENTORY DATA (\$000)							
a. Total Acreage: (6,342)							
b. Inventory Total As Of: (30 SEP 99) 2,772,596							
c. Authorization Not Yet In Inventory: 0							
d. Authorization Requested In This Program: 12,175							
e. Authorization Included In Following Program: (FY 2002) 0							
f. Planned In Next Three Program Years: 25,000							
g. Remaining Deficiency: 66,050							
h. Grand Total: 2,875,821							
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001							
CATEGORY				COST		DESIGN STATUS	
CODE	PROJECT TITLE	SCOPE		(\$000)	START	CMPL	
179-481	REALISTIC BOMBER TRAINING INITIATIVE	LS		12,175	JAN 99	SEP 00	
				TOTAL:	12,175		
9a. Future Projects: Included in the Following Program (FY 2002) NONE							
9b. Future Projects: Typical Planned Next Three Years:							
130-142	FIRE/CRASH RESCUE STATION	2,754 SM		6,200			
141-753	C-130 SQUADRON OPERATIONS/AMU	4,253 SM		7,000			
740-674	FITNESS CENTER	6,844 SM		11,800			
10. Mission or Major Functions: A wing with two B-1 bomber squadrons, one of which is responsible for training all B-1 aircrews, and two C-130 airlift squadrons.							
11. Outstanding pollution and safety (OSHA) deficiencies:							
a. Air pollution:						0	
b. Water pollution:						0	
c. Occupational safety and health:						6,200	
d. Other Environmental:						0	
12. Real Property Maintenance Backlog This Installation						34,919	

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
DYESS AIR FORCE BASE, TEXAS			REALISTIC BOMBER TRAINING INITIATIVE		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
2.76.04	179-481	FNWZ013009	12,175		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
REALISTIC BOMBER TRAINING INITIATIVE	LS			11,518	
15 ACRE EMITTER SITE (LOW ALT TRNG)	LS			(4,182)	
15 ACRE EMITTER SITE (HIGH ALT TRNG)	LS			(3,259)	
15 ACRE EMITTER SITE (TRAINING ROUTE)	LS			(1,815)	
15 ACRE EMITTER SITE (OPERATION AREA)	LS			(1,815)	
LAND ACQUISITION	AC	165	2,709	(447)	
SUBTOTAL				11,518	
TOTAL CONTRACT COST				11,518	
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				657	
TOTAL REQUEST				12,175	
TOTAL REQUEST (ROUNDED)				12,175	
10. Description of Proposed Construction: Acquisition of land for emitter sites and construction of emitter facilities with concrete floors, walls and standing seam metal roofs. Work includes gravel parking pads, electricity, perimeter fence, gravel access roads and water and sewer lines to emitter sites. Includes all sitework and necessary support.					
11. REQUIREMENT: As required.					
PROJECT: Construct realistic bomber training initiative. (New Mission)					
REQUIREMENT: Provide realistic, simultaneous, integrated training using interrelated training assets that offer terrain and airspace to simulate the variety of conditions anticipated for combat missions for B-1 and B-52 aircrews. These training assets in the proximity of Barksdale and Dyess Air Force Bases are required to maximize high-value training time and reduce transit time that yields low training value.					
CURRENT SITUATION: Currently, bomber aircraft from Dyess and Barksdale fly to training range sites located over large multi-state regions requiring long sortie durations. Costly flying hours are expended while transiting to and from these ranges. Non-essential operational flying hours per year are estimated at 300 for B-52's from Barksdale Air Force Base and 200 for B-1's from Dyess Air Force Base. This project will eliminate those non-essential flying hours and allow the training of an additional twenty-two aircrews per year. Aircrews will be able to efficiently train on a range designed for effective and realistic bomber missions.					
IMPACT IF NOT PROVIDED: The Air Force would not be able to train and produce replacement aircrews in sufficient numbers to man B-1 and B-52 weapon systems in the future. Aircrews will continue to receive inadequate training scenarios and continue to fly additional hours to					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
DYESS AIR FORCE BASE, TEXAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
REALISTIC BOMBER TRAINING INITIATIVE	FNWZ013009	
enter and exit existing training ranges. <u>ADDITIONAL:</u> 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. Base Civil Engineer: Lt Col David Biescheuvel, (915) 696-2250.		

1. COMPONENT	FY 2001 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	
REALISTIC BOMBER TRAINING INITIATIVE	FNWZ013009	
12. SUPPLEMENTAL DATA:		
		Design, Bid, Build
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	99 JAN 26	
(b) Parametric Cost Estimates used to develop costs	Y	
* (c) Percent Complete as of Jan 2000	35%	
* (d) Date 35% Designed.	99 DEC 20	
(e) Date Design Complete	00 SEP 01	
(f) Energy Study/Life-Cycle analysis was/will be performed	NA	
(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	730	
(b) All Other Design Costs	366	
(c) Total	1096	
(d) Contract	913	
(e) In-house	183	
(3a) Construction Contract Award Date	01 JAN	
(4) Construction Start	01 MAR	
(5) Construction Completion	02 SEP	
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
AIR FORCE											
3. INSTALLATION AND LOCATION						4. COMMAND				5. AREA CONST	
LACKLAND AIR FORCE BASE, TEXAS						AIR EDUCATION AND TRAINING COMMAND				COST INDEX 0.82	
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		1732	4861	2815	86	5670		62	1756	25	17,007
b. End FY 2005		1745	4858	3532	58	6226		62	1756	25	18,262
7. INVENTORY DATA (\$000)											
a. Total Acreage: (2,753)											
b. Inventory Total As Of: (30 SEP 99) 8,280,051											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 5,500											
e. Authorization Included In Following Program: (FY 2002) 5,800											
f. Planned In Next Three Program Years: 37,800											
g. Remaining Deficiency: 37,600											
h. Grand Total: 8,366,751											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START	CMPL		
721-312	DORMITORY				96 RM	5,500		JAN 99	SEP 00		
TOTAL:						5,500					
9a. Future Projects: Included in the Following Program (FY 2002)											
721-312	DORMITORY				96 RM	5,800					
TOTAL:						5,800					
9b. Future Projects: Typical Planned Next Three Years:											
721-312	STUDENT DORMITORY				200 RM	16,700					
721-312	DORMITORY				96 RM	5,800					
721-312	DORMITORY				96 RM	6,100					
740-674	FITNESS CENTER (MEDINA)				3,206 SM	5,100					
740-884	CHILD DEVELOPMENT CENTER				2,384 SM	4,100					
10. Mission or Major Functions: A training wing which includes Basic Military Training School; security forces, cryptographic maintenance, recruiting, and Air Force and Navy food service courses; Air Force Security Forces Center, Force Protection Battelab; Defense Language Institute, English Language Center; Department of Defense Military Working Dog Training Agency; Inter-American Air Forces Academy, 433rd Contingency Hospital, and a major Air Force medical center.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:										771	
b. Water pollution:										310	
c. Occupational safety and health:										0	
d. Other Environmental:										0	
12. Real Property Maintenance Backlog This Installation										33,822	

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
LACKLAND AIR FORCE BASE, TEXAS			DORMITORY (96 RM)		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
8.57.96	721-312	MPLS023293	5,500		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (96 RM)		SM	3,168	1,349	4,274
SUPPORTING FACILITIES					883
UTILITIES		LS			(375)
PAVEMENTS		LS			(350)
SITE IMPROVEMENTS		LS			(158)
SUBTOTAL					5,157
TOTAL CONTRACT COST					5,157
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					294
TOTAL REQUEST					5,451
TOTAL REQUEST (ROUNDED)					5,500
10. Description of Proposed Construction: A three-story facility with concrete foundation and floor slab, structural steel framing, masonry walls and standing seam metal roof. Includes room-bath/kitchen-room modules, day rooms, linen storage, mechanical equipment and communications rooms, fire protection, utilities, parking, and all necessary support. Extend utility service to an unimproved area of the base. Air Conditioning: 300 KW. Grade Mix: 96 E1-E4.					
11. REQUIREMENT: 2,388 RM ADEQUATE: 806 RM SUBSTANDARD: 83 RM PROJECT: Construct a dormitory. (Current Mission) REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with on-base 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 successful accomplishment of the increasingly complicated and critical jobs Air Force personnel must perform. This project is in accordance with the Air Force Dormitory Plan. CURRENT SITUATION: As verified by the Air Force Dormitory Master Plan, the base has insufficient facilities to adequately accommodate permanent party unaccompanied enlisted personnel required to live on-base per Air Force policy. IMPACT IF NOT PROVIDED: Adequate living quarters will continue to be unavailable resulting in degradation of morale, productivity, and career 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 construction standard known as "one-plus-one" established					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
LACKLAND AIR FORCE BASE, TEXAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
DORMITORY (96 RM)	MPLS023293	
by OSD. 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. Unaccompanied Housing RPM Conducted: FY98 \$2,590K; FY99 \$2,000K; FY00 (estimated) \$2,500K; FY01 (estimated) \$2,500K; FY02 (estimated) \$2,500K; FY03 (estimated) \$2,500K. Base Civil Engineer: Lt Col Gordon Green, (210)671-2977 Dormitory: 3,168SM = 34,088 SF		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
LACKLAND AIR FORCE BASE, TEXAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
DORMITORY (96 RM)	MPLS023293	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data: Design, Bid, Build		
(1) Status:		
(a) Date Design Started	99 JAN 22	
(b) Parametric Cost Estimates used to develop costs	Y	
* (c) Percent Complete as of Jan 2000	15%	
* (d) Date 35% Designed.	99 AUG 30	
(e) Date Design Complete	00 SEP 15	
(f) Energy Study/Life-Cycle analysis was/will be performed	Y	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	LACKLAND	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	220	
(b) All Other Design Costs	110	
(c) Total	330	
(d) Contract	280	
(e) In-house	50	
(3a) Construction Contract Award Date	00 DEC	
(4) Construction Start	01 FEB	
(5) Construction Completion	02 MAR	
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND			5. AREA CONST				
HILL AIR FORCE BASE, UTAH				AIR FORCE			COST INDEX				
				MATERIEL COMMAND			1.05				
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		677	3826	9548				3489	4702	740	23,982
b. End FY 2005		664	3849	9833				3489	4702	740	24,277
7. INVENTORY DATA (\$000)											
a. Total Acreage: (6,973)											
b. Inventory Total As Of: (30 SEP 99) 1,939,032											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 16,500											
e. Authorization Included In Following Program: (FY 2002) 10,000											
f. Planned In Next Three Program Years: 34,300											
g. Remaining Deficiency: 0											
h. Grand Total: 1,999,832											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY						COST		DESIGN STATUS			
CODE	PROJECT TITLE	SCOPE				(\$000)	START	CMPL			
211-159	C-130 CORROSION CONTROL FACILITY (WORKING CAPITAL FUND)	6,900 SM				16,500	TURN KEY				
TOTAL:						16,500					
9a. Future Projects: Included in the Following Program (FY 2002)											
211-252	HYDRAULIC/PNEUDRAULIC REPAIR FACILITY	4,647 SM				10,000					
TOTAL:						10,000					
9b. Future Projects: Typical Planned Next Three Years:											
171-625	COMBAT LOGISTICS SUPPORT SQ TRAINING/STORAGE FACILITY	2,000 SM				3,600					
212-212	MISSILE DEPOT MAINTENANCE FACILITY	3,317 SM				9,000					
422-259	MISSILE STORAGE FACILITY	3,535 SM				12,200					
721-312	DORMITORY (144 RM)	144 RM				9,500					
10. Mission or Major Functions: Ogden Air Logistics Center which is responsible for logistics management, support, and depot-level maintenance of tactical missiles, F-16 aircraft, Minuteman and Peacekeeper ICBMs; AN/FPS-117 radar, composite (including B-2 composites), power systems, and software workload; a test squadron with F-16, MH-60, and HC/NC-130 aircraft; an air base wing; an Air Combat Command fighter wing with three F-16 squadrons; and an Air Force Reserve fighter wing with one F-16 squadron.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution: 0											
b. Water pollution: 1,100,000											
c. Occupational safety and health: 0											
d. Other Environmental: 6,000,000											
12. Real Property Maintenance Backlog This Installation 8,903											

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
HILL AIR FORCE BASE, UTAH			C-130 CORROSION CONTROL FACILITY (WORKING CAPITAL FUND)		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
7.28.96	211-159	KRSM993014	16,500		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
C-130 CORROSION CONTROL FACILITY		SM	6,900	2,000	13,800
SUPPORTING FACILITIES					1,750
UTILITIES		LS			(850)
PAVEMENTS		LS			(600)
SITE IMPROVEMENTS		LS			(300)
SUBTOTAL					15,550
TOTAL CONTRACT COST					15,550
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					886
TOTAL REQUEST					16,436
TOTAL REQUEST (ROUNDED)					16,500
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(6,120)
10. Description of Proposed Construction: Multi-bay structure with concrete floor slab, foundation, and structural steel frame, including aircraft access pavement, fire suppression system and all necessary support. Includes support equipment preparation and paint mixing room. Air Conditioning: 400 KW.					
11. REQUIREMENT: 9,012 SM ADEQUATE: 2,112 SM SUBSTANDARD: 0 PROJECT: Construct a C-130 corrosion control facility. (Current Mission) REQUIREMENT: An adequately sized, environmentally safe facility is required to perform depot-level corrosion control on C-130 aircraft. This facility must support the periodic depot maintenance (PDM) as well as the annual recurring drop-in C-130 aircraft requirements. CURRENT SITUATION: C-130 aircraft corrosion control capacity at Hill AFB is inadequate to accommodate the current and projected work load. Hill AFB has been forced to contract out C-130 aircraft corrosion control work because the existing facility is used 3 shifts-per-day, 7 days a week. Contracting out work requires added preparation and transport time thus decreasing the time aircraft are available to support the C-130 mission. In FY97 with a workload of 48 PDM and 24 drop-in aircraft, eleven aircraft had to be contracted out for stripping and painting at an additional cost of \$350,000. Projected work load will require a total of 35 aircraft to be contracted out at a cost of \$1,225,000 per year. No residual capacity is available for scheduled maintenance of the facility or the associated corrosion control equipment. IMPACT IF NOT PROVIDED: There will continue to be a shortfall in C-130 corrosion control capacity at Hill AFB. Corrosion control work will continue to be contracted out, cost for depot-level work will increase,					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
HILL AIR FORCE BASE, UTAH		
4. PROJECT TITLE		5. PROJECT NUMBER
C-130 CORROSION CONTROL FACILITY(WORKING CAPITAL FUND)		KRSM993014
and additional time delays will occur in returning mission ready aircraft to flying status. <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, outsourcing, 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 on 20 May 98. Base Civil Engineer: Col Per Korslund , (801) 777-3071. C-130 Corrosion Control Facility: 6900SM = 74,244SF.		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
AIR FORCE	(computer generated)		
3. INSTALLATION AND LOCATION			
HILL AIR FORCE BASE, UTAH			
4. PROJECT TITLE		5. PROJECT NUMBER	
C-130 CORROSION CONTROL FACILITY(WORKING CAPITAL FUND)		KRSM993014	
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Project to be accomplished by design-build procedures			
(2) Basis:			
(a) Standard or Definitive Design -		NO	
(b) Where Design Was Most Recently Used -		N/A	
(3) Design Allowance		825	
(3a) Construction Contract Award Date		00 DEC	
(4) Construction Start		01 JUL	
(5) Construction Completion		03 SEP	
(6) Energy Study/Life-Cycle analysis was/will be performed		Y	
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	DMAG	FY2001	6120

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)				2. DATE	
AIR FORCE							
3. INSTALLATION AND LOCATION				4. COMMAND		5. AREA CONST COST INDEX	
LANGLEY AIR FORCE BASE, VIRGINIA				AIR COMBAT COMMAND		0.92	
6. PERSONNEL		PERMANENT		STUDENTS		SUPPORTED	
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 99		2031	6567	1687		58	107
b. End FY 2005		2030	6560	1687		58	107
7. INVENTORY DATA (\$000)							
a. Total Acreage: (3,152)							
b. Inventory Total As Of: (30 SEP 99) 2,820,299							
c. Authorization Not Yet In Inventory: 0							
d. Authorization Requested In This Program: 7,470							
e. Authorization Included In Following Program: (FY 2002) 7,800							
f. Planned In Next Three Program Years: 33,009							
g. Remaining Deficiency: 47,013							
h. Grand Total: 2,915,591							
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001							
CATEGORY		PROJECT TITLE		SCOPE	COST (\$000)	DESIGN START	STATUS CMPL
721-312	DORMITORY			96 RM	7,470	JAN 00	SEP 00
TOTAL:					7,470		
9a. Future Projects: Included in the Following Program (FY 2002)							
721-312	DORMITORY (96 RM)			96 RM	7,800		
TOTAL:					7,800		
9b. Future Projects: Typical Planned Next Three Years:							
113-321	REPAIR EAST PARKING APRON			60,892 SM	13,509		
721-312	DORMITORY (96 RM)			96 RM	7,900		
740-674	ADD TO AND ALTER FITNESS CENTER			4,520 SM	11,600		
10. Mission or Major Functions: Headquarters Air Combat Command; a fighter wing with three F-15 fighter squadrons; a C-21 unit; an air intelligence group; and the USAF Doctrine Center.							
11. Outstanding pollution and safety (OSHA) deficiencies:							
a. Air pollution: 0							
b. Water pollution: 81,000							
c. Occupational safety and health: 3,300							
d. Other Environmental: 0							
12. Real Property Maintenance Backlog This Installation 34,169							

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
LANGLEY AIR FORCE BASE, VIRGINIA			DORMITORY (96 RM)		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
2.75.96	721-312	MUHJ013001	7,470		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (96 RM)		SM	3,168	1,525	4,831
SUPPORTING FACILITIES					2,240
UTILITIES		LS			(380)
PAVEMENTS		LS			(365)
SITE IMPROVEMENTS		LS			(270)
SPECIAL FOUNDATION (PILING)		LS			(275)
UPGRADE OF INFRASTRUCTURES		LS			(950)
SUBTOTAL					7,071
TOTAL CONTRACT COST					7,071
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					403
TOTAL REQUEST					7,474
TOTAL REQUEST (ROUNDED)					7,470
10. Description of Proposed Construction: Three-story dormitory with pile foundation and floor slabs, masonry walls, and sloped roofs. Includes room-bath/kitchen-room modules, laundry rooms, storage, lounge areas, site preparation, and all other supporting facilities. Also includes upgrade of existing infrastructure (electrical, water, sewage, and storm drainage) to support this and follow-on deficit dormitories. Air Conditioning: 300 KW. Grade Mix: 96 E1-E4.					
11. REQUIREMENT: 1,427 RM ADEQUATE: 760 RM SUBSTANDARD: 0 <u>PROJECT:</u> Construct a dormitory. (Current Mission) <u>REQUIREMENT:</u> A major Air Force objective is to 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. This project is an accordance with the Air Force Dormitory Master Plan. <u>CURRENT SITUATION:</u> As verified by the Air Force Dormitory Master Plan, the base has insufficient facilities to adequately accomodate permanent party unaccompanied enlisted personnel required to live on-base per Air Force policy. The current dormitory area is adjacent to the dining facility, base recreation facilities, and was the site of World War II barracks which have been demolished. This dormitory and the follow-on dormitories require upgrades to the infrastructure for area development. This will require an increase in electrical load, water, and relocation of a sewage lift station, and the construction of a storm water retention pond. The current site is crossed by two roads, one of which will be					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
LANGLEY AIR FORCE BASE, VIRGINIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
DORMITORY (96 RM)	MUHJ013001	
demolished, and the second rerouted around the dormitory area. These upgrades will provide a modern dormitory area. <u>IMPACT IF NOT PROVIDED:</u> Adequate living quarters will continue to be unavailable, resulting 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 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. FY 1998 Unaccompanied Housing RPM Conducted: \$406K. FY 1999 Unaccompanied Housing RPM Conducted: \$1,021K. Future Unaccompanied Housing RPM requirements (estimated): FY00: \$424K; FY01: \$433K; FY02: \$443K; FY03: \$453K. Base Civil Engineer: Lt Col Ed Keith (757)-764-2025 Dormitory: 3,168 SM = 34,100 SF		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
LANGLEY AIR FORCE BASE, VIRGINIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
DORMITORY (96 RM)	MUHJ013001	
12. SUPPLEMENTAL DATA: Design, Bid, Build		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	00 JAN 15	
(b) Parametric Cost Estimates used to develop costs	Y	
* (c) Percent Complete as of Jan 2000	1%	
* (d) Date 35% Designed.	00 MAR 15	
(e) Date Design Complete	00 SEP 01	
(f) Energy Study/Life-Cycle analysis was/will be performed	Y	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	LANGLEY	
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)	
(a) Production of Plans and Specifications	448	
(b) All Other Design Costs	224	
(c) Total	672	
(d) Contract	560	
(e) In-house	112	
(3a) Construction Contract Award Date	01 JAN	
(4) Construction Start	01 MAR	
(5) Construction Completion	02 SEP	
*		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
MCCHORD AIR FORCE BASE, WASHINGTON				AIR MOBILITY COMMAND				COST INDEX 1.08			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		446	3122	960				3	3	152	4,686
b. End FY 2005		441	3094	961				3	3	152	4,654
7. INVENTORY DATA (\$000)											
a. Total Acreage: (4,639)											
b. Inventory Total As Of: (30 SEP 99) 2,445,314											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 10,250											
e. Authorization Included In Following Program: (FY 2002) 0											
f. Planned In Next Three Program Years: 26,605											
g. Remaining Deficiency: 67,400											
h. Grand Total: 2,549,569											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START	CMPL		
141-753	C-17 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT			3,300 SM		6,500		JAN 99	SEP 00		
211-173	C-17 ADD/ALTER NOSE DOCKS			LS		3,750		JAN 99	SEP 00		
TOTAL:						10,250					
9a. Future Projects: Included in the Following Program (FY 2002) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
610-000	MISSION SUPPORT CENTER, PH 1			10,698 SM		15,305					
740-674	FITNESS CENTER			3,154 SM		11,300					
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 assigned to the Air National Guard.											
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										15,131	

1. COMPONENT		2. DATE	
AIR FORCE		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	
3. INSTALLATION AND LOCATION		4. PROJECT TITLE	
MCCHORD AIR FORCE BASE, WASHINGTON		C-17 ADD/ALTER NOSE DOCKS	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
4.11.30	211-173	PQWY993051	3,750
9. COST ESTIMATES			
ITEM	U/M	QUANTITY	COST (\$000)
C-17 ADD/ALTER NOSE DOCKS			3,066
ADD TO NOSE DOCK	SM	700	(1,316)
ALTER NOSE DOCK (AFFP)	LS		(1,550)
ALTER CORROSION CONTROL	LS		(200)
SUPPORTING FACILITIES			489
UTILITIES	LS		(363)
SITE IMPROVEMENTS	LS		(70)
PAVEMENTS	LS		(36)
COMM SUPPORT	LS		(20)
SUBTOTAL			3,555
TOTAL CONTRACT COST			3,555
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)			203
TOTAL REQUEST			3,758
TOTAL REQUEST (ROUNDED)			3,750
10. Description of Proposed Construction: Add/alter nose dock 1164: Reinforced concrete foundation and floor slab. Steel frame with metal panel siding and roof. Extend fire suppression/detection, electrical, and mechanical systems and necessary support. Alter corrosion control hangar 1178: Includes altering a corrugated steel door by installing a "soft closure" opening and alter fire suppression system. Air Conditioning: 7 KW.			
11. REQUIREMENT: As required. PROJECT: C-17 add/alter nose docks. (New Mission) REQUIREMENT: Adequately sized and configured maintenance facilities are required to support the beddown of 48 C-17 aircraft at McChord AFB. Covered space is required for aircraft jacking, inspection, repair and maintenance of C-17 aircraft. CURRENT SITUATION: C-17 aircraft and support equipment required to work on the aircraft cannot physically fit into the existing C-141 nose dock and a C-141 corrosion control hangar. The existing nose dock is too shallow to accommodate the larger C-17 aircraft. A 700 square meter addition is required to allow the doors to be closed behind the aircraft wings. The overhead structural trusses of the existing C-141 corrosion control hangar are not high enough to accommodate the "T-Tail" of the C-17 and it is not cost effective to raise them. The doors of the facility must be modified to provide a "soft closure" around the C-17 fuselage. IMPACT IF NOT PROVIDED: Adequate aircraft maintenance operations cannot be performed on the C-17 aircraft. It will not be possible to meet the aircraft utilization rates of the 48 assigned C-17 aircraft unless this project is accomplished.			

1. COMPONENT	FY 2001 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	PQWY013051	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		Design, Bid, Build
(1) Status:		
(a) Date Design Started		99 JAN 26
(b) Parametric Cost Estimates used to develop costs		Y
* (c) Percent Complete as of Jan 2000		15%
* (d) Date 35% Designed.		00 JAN 30
(e) Date Design Complete		00 SEP 15
(f) Energy Study/Life-Cycle analysis was/will be performed		Y
(2) Basis:		
(a) Standard or Definitive Design -		YES
(b) Where Design Was Most Recently Used -		MCCHORD
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Production of Plans and Specifications		310
(b) All Other Design Costs		138
(c) Total		448
(d) Contract		345
(e) In-house		103
(3a) Construction Contract Award Date		01 MAR
(4) Construction Start		01 APR
(5) Construction Completion		02 MAY
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT	FY 2001 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 ADD/ALTER NOSE DOCKS	PQWY993051	
<u>ADDITIONAL:</u> 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 adding to existing facilities 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 Bryan Bodner, (253) 984-2294. Add/Alter Nose Dock: 700 SM = 7,525 SF		

1. COMPONENT	FY 2001 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 ADD/ALTER NOSE DOCKS	PQWY993051	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		Design, Bid, Build
(1) Status:		
(a) Date Design Started		99 JAN 26
(b) Parametric Cost Estimates used to develop costs		Y
* (c) Percent Complete as of Jan 2000		35%
* (d) Date 35% Designed.		00 JAN 30
(e) Date Design Complete		00 SEP 15
(f) Energy Study/Life-Cycle analysis was/will be performed		Y
(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		249
(b) All Other Design Costs		124
(c) Total		373
(d) Contract		310
(e) In-house		63
(3a) Construction Contract Award Date		01 MAR
(4) Construction Start		01 APR
(5) Construction Completion		02 MAY
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE	
AIR FORCE									
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST	
MCCHORD AIR FORCE BASE, WASHINGTON				AIR MOBILITY				COST INDEX	
				COMMAND				1.08	
6. PERSONNEL		PERMANENT		STUDENTS		SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL
a. As of 30 SEP 99		446	3122	960				3	3
b. End FY 2005		441	3094	961				3	3
								152	152
								4,686	4,654
7. INVENTORY DATA (\$000)									
a. Total Acreage: (4,639)									
b. Inventory Total As Of: (30 SEP 99) 2,445,314									
c. Authorization Not Yet In Inventory: 0									
d. Authorization Requested In This Program: 10,250									
e. Authorization Included In Following Program: (FY 2002) 0									
f. Planned In Next Three Program Years: 26,605									
g. Remaining Deficiency: 67,400									
h. Grand Total: 2,549,569									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001									
CATEGORY									
CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	STATUS CMPL				
141-753	C-17 SQUADRON OPERATIONS/	3,300 SM	6,500	JAN 99	SEP 00				
	AIRCRAFT MAINTENANCE UNIT								
211-173	C-17 ADD/ALTER NOSE DOCKS	LS	3,750	JAN 99	SEP 00				
TOTAL:			10,250						
9a. Future Projects: Included in the Following Program (FY 2002) NONE									
9b. Future Projects: Typical Planned Next Three Years:									
610-000	MISSION SUPPORT CENTER, PH 1	10,698 SM	15,305						
740-674	FITNESS CENTER	3,154 SM	11,300						
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 assigned to the Air National Guard.									
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								15,131	

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION	4. PROJECT TITLE			
MCCHORD AIR FORCE BASE, WASHINGTON	C-17 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
4.11.30	141-753	PQWY013051	6,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
C-17 SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT	SM	3,300	1,465	4,835
SUPPORTING FACILITIES				1,359
UTILITIES	LS			(530)
PAVEMENTS	LS			(404)
SITE IMPROVEMENTS	LS			(300)
ELEVATOR	EA	1	125,000	(125)
SUBTOTAL				6,194
TOTAL CONTRACT COST				6,194
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				353
TOTAL REQUEST				6,547
TOTAL REQUEST (ROUNDED)				6,500
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, and necessary support. Air Conditioning: 65 KW.				
11. REQUIREMENT: 13,666 SM ADEQUATE: 10,366 SM SUBSTANDARD: 1,429 SM PROJECT: Construct a squadron operations/aircraft maintenance unit facility. (New Mission) REQUIREMENT: This project is required to consolidate Air Mobility Command operational squadrons by collocating aircraft operators with aircraft maintainers. This is the last 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 Sq 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. These efficiencies are essential to maintain AMC mission tasking rates. CURRENT SITUATION: There are no adequate facilities to support the fourth consolidated Sq Ops/AMU operations at McChord AFB. Currently, there are three operations and three maintenance facilities in use. These facilities are too small to house a fourth Sq Ops/AMU. The operations personnel are working in an overcrowded, improperly configured facilities far from the squadron maintenance (AMU) personnel on the flightline. The				

1. COMPONENT	FY 2001 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	PQWY013051	
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. <u>IMPACT IF NOT PROVIDED:</u> Operations, maintenance, and support personnel will remain in separate, undersized, and interim buildings. Essential squadron operations and logistic functions will continue to require extensive work-arounds that will degrade mission performance. Temporary modular facilities marginally support the flightline maintenance unit and experience extensive wear and tear and associated maintenance costs. <u>ADDITIONAL:</u> 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 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: Lt Col Bryan Bodner, (253) 984-2294. Squadron Operations/AMU Facility: 3,300 SM = 35,521 SF		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
F E WARREN AIR FORCE BASE, WYOMING				AIR FORCE				COST INDEX			
				SPACE COMMAND				1.01			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		523	2887	461				1	1	72	3,945
b. End FY 2005		524	2786	482				1	1	72	3,866
7. INVENTORY DATA (\$000)											
a. Total Acreage: (5,866)											
b. Inventory Total As Of: (30 SEP 99) 201,788											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 25,720											
e. Authorization Included In Following Program: (FY 2002) 8,400											
f. Planned In Next Three Program Years: 10,213											
g. Remaining Deficiency: 33,659											
h. Grand Total: 279,780											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY		PROJECT TITLE				SCOPE		COST	DESIGN STATUS		
CODE							(\$000)	START	CMPL		
141-454	COMMAND AND CONTROL SUPPORT FACILITY					5,110 SM	10,200	TURN KEY			
212-216	MMIII MISSILE SERVICE COMPLEX					9,000 SM	15,520	JAN 99	SEP 00		
TOTAL:							25,720				
9a. Future Projects: Included in the Following Program (FY 2002)											
740-674		FITNESS CENTER				5,051 SM	8,400				
TOTAL:							8,400				
9b. Future Projects: Typical Planned Next Three Years:											
871-183		UPGRADE STORM SEWER SYSTEM				LS	10,213				
10. Mission or Major Functions: Headquarters Twentieth Air Force; an AFSPC missile wing consisting of one Peacekeeper and three Minuteman III intercontinental ballistic missile squadrons with UH-1 aircraft.											
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:								2,702			
12. Real Property Maintenance Backlog This Installation								49,348			

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
F.E. WARREN AIR FORCE BASE, WYOMING			COMMAND AND CONTROL SUPPORT FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
3.59.06	141-454	GHLN983004	10,200		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
COMMAND AND CONTROL SUPPORT FACILITY		SM	5,110		6,792
OPERATIONS AND ADMINISTRATIVE AREA		SM	2,820	1,310	(3,694)
MOBILE EQUIPMENT OPERATIONS AREA		SM	2,290	1,353	(3,098)
SUPPORTING FACILITIES					2,889
UTILITIES		LS			(1,020)
PAVEMENTS		LS			(650)
SITE IMPROVEMENTS		LS			(250)
BACKUP POWER GENERATION		LS			(300)
SECURITY FENCE/LIGHTS		LS			(500)
SENSITIVE COMPARTMENTED AREA		SM	470	360	(169)
SUBTOTAL					9,681
TOTAL CONTRACT COST					9,681
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					552
TOTAL REQUEST					10,233
TOTAL REQUEST (ROUNDED)					10,200
10. Description of Proposed Construction: Reinforced concrete footings, grade beams, floor slabs, steel frame, masonry/prefinished metal walls, prefinished steel roof, sensitive compartmented information facility (SCIF) area, fencing, intrusion detection systems, paved approach and parking for approximately 60 military vehicles, and all necessary support. Air Conditioning: 450 KW.					
11. REQUIREMENT: 5,110 SM ADEQUATE: 0 SUBSTANDARD: 0 <u>PROJECT:</u> Construct a command and control support facility. (New Mission) <u>REQUIREMENT:</u> This facility is required to support the permanent beddown of the 4th Command and Control Squadron (CACS) and continued readiness of the Mobile Consolidated Command System (MCCS) at FE Warren AFB. The 4th CACS and MCCS provide sustainment, mobility, and operations and maintenance in support of the Joint Chief of Staff directed US Space Command Mobile Command and Control Center. This mission was relocated from its temporary location at Peterson AFB to FE Warren AFB due to strategic safeguard requirements. Maintenance, operations, and training areas are needed to provide in-garrison support for this survivable mobile command center. A secure facility is also needed to conduct testing, training, and exercises. The Wyoming Air National Guard will provide unit personnel as part of the total Air Force concept. <u>CURRENT SITUATION:</u> No adequate facilities exist at FE Warren AFB or the Cheyenne, Wyoming Air National Guard to permanently support this mission. In order to disperse strategic command and control assets, the MCCS was relocated to FE Warren AFB during the summer of 1999 in an existing temporary facility that provides only 2,230 square meters which is 40% of the required scope. This facility is located approximately 300 feet from					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
F.E. WARREN AIR FORCE BASE, WYOMING		
4. PROJECT TITLE		5. PROJECT NUMBER
COMMAND AND CONTROL SUPPORT FACILITY		GHLN983004
the base boundary and lacks security fencing, cameras, clear zones, alarms, and proper entry control. Operational security of this classified mission is degraded due to close proximity to the base boundary and off-base residences. In addition, proper physical security for the priority asset is a concern. <u>IMPACT IF NOT PROVIDED:</u> The 4th CACS will not have adequate facilities to conduct their mission. Workarounds and waivers will continue to degrade the security and maintenance of this mission. Testing, training, and exercises will continue to be negatively impacted. <u>ADDITIONAL:</u> There is no criteria/scope for this project in Air Force Handbook 32-1084, "Facility Requirements" or in Part II of Military Handbook 1190, "Facility Planning and Design Guide." Space requirements are based on a study done by an Architectural Engineering firm. Base Civil Engineer: Lt Col Carlos Cruz-Gonzalez, (307) 775-3600. Operations and Administrative Area: 2,820SM = 30,343SF; Mobile Equipment Operations Area: 2,290SM = 24,640.		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
F.E. WARREN AIR FORCE BASE, WYOMING		
4. PROJECT TITLE	5. PROJECT NUMBER	
COMMAND AND CONTROL SUPPORT FACILITY	GHLN983004	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Project to be accomplished by design-build procedures		
(2) Basis:		
(a) Standard or Definitive Design -	NO	
(b) Where Design Was Most Recently Used -	N/A	
(3) Design Allowance	510	
(3a) Construction Contract Award Date	00 NOV	
(4) Construction Start	01 FEB	
(5) Construction Completion	02 AUG	
(6) Energy Study/Life-Cycle analysis was/will be performed	Y	
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND			5. AREA CONST				
F E WARREN AIR FORCE BASE, WYOMING				AIR FORCE			COST INDEX				
				SPACE COMMAND			1.01				
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		523	2887	461				1	1	72	3,945
b. End FY 2005		524	2786	482				1	1	72	3,866
7. INVENTORY DATA (\$000)											
a. Total Acreage: (5,866)											
b. Inventory Total As Of: (30 SEP 99) 201,788											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 25,720											
e. Authorization Included In Following Program: (FY 2002) 8,400											
f. Planned In Next Three Program Years: 10,213											
g. Remaining Deficiency: 33,659											
h. Grand Total: 279,780											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START		Cmpl	
141-454	COMMAND AND CONTROL SUPPORT FACILITY			5,110 SM		10,200		TURN KEY			
212-216	MMIII MISSILE SERVICE COMPLEX			9,000 SM		15,520		JAN 99		SEP 00	
	TOTAL:					25,720					
9a. Future Projects: Included in the Following Program (FY 2002)											
740-674	FITNESS CENTER			5,051 SM		8,400					
	TOTAL:					8,400					
9b. Future Projects: Typical Planned Next Three Years:											
871-183	UPGRADE STORM SEWER SYSTEM			LS		10,213					
10. Mission or Major Functions: Headquarters Twentieth Air Force; an AFSPC missile wing consisting of one Peacekeeper and three Minuteman III intercontinental ballistic missile squadrons with UH-1 aircraft.											
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: 2,702											
12. Real Property Maintenance Backlog This Installation 49,348											

1. COMPONENT		FY 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
F. E. WARREN AIR FORCE BASE, WYOMING			MMIII MISSILE SERVICE COMPLEX		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
3.59.96	212-216	GHLN973001	15,520		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
MMIII MISSILE SERVICE COMPLEX	SM	9,000		12,155	
MISSILE SERVICE SHOPS	SM	6,936	1,350	(9,364)	
ADMINISTRATIVE	SM	2,064	1,352	(2,791)	
SUPPORTING FACILITIES		1		2,540	
UTILITIES	LS			(650)	
SITE IMPROVEMENTS	LS			(310)	
PAVEMENTS	LS			(1,565)	
DEMOLITION	SM	170	88	(15)	
SUBTOTAL				14,695	
TOTAL CONTRACT COST				14,695	
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				838	
TOTAL REQUEST				15,533	
TOTAL REQUEST (ROUNDED)				15,520	
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, concrete masonry walls, sloped steel roof deck. Includes electronics laboratory, vehicle and equipment staging, van configuration support, training and office areas, asphalt pavement, vehicle electrical hookups, and all necessary support. Demolish one facility (170 SM). Air Conditioning: 610 KW.					
11. REQUIREMENT: 9,884 SM ADEQUATE: 0 SUBSTANDARD: 8,566 SM PROJECT: Construct a minuteman three (MM III) missile service complex. (Current Mission) REQUIREMENT: This facility will provide a modern, efficient space to perform missile component repair, technical training, and administrative functions. START Treaties I and II require the number of ICBM multiple re-entry vehicles (MRVs) be reduced and the missiles deactivated. As a result, missile service operations will increase significantly over the next several years because of the requirement to convert warheads to single re-entry vehicles. The reduction in the ICBM arsenal will require missiles remaining on alert be provided additional maintenance to maintain an effective strategic deterrent. CURRENT SITUATION: Currently, the MMIII missile service functions are performed in five separate buildings. Three of these buildings were constructed in 1909 and are on the National Historic Register. Altering these buildings to consolidate and improve efficiency is not physically possible. The HVAC systems are worn out and inadequate. Lighting in the buildings, especially in the service areas is poor and electrical overloads cause frequent circuit failure. Antiquated and worn out plumbing often clogs and needs to be replaced. Floor drains in the					

1. COMPONENT	FY 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
F. E. WARREN AIR FORCE BASE, WYOMING		
4. PROJECT TITLE	5. PROJECT NUMBER	
MMIII MISSILE SERVICE COMPLEX	GHLN973001	
equipment service bays are not equipped with pollution prevention devices which is a violation of local board of public utilities pretreatment regulations. Vehicle and equipment engine exhaust removal systems are inadequate and under powered. During maintenance operations, thick diesel exhaust is visible in service bays if bay doors are closed. The lack of fire suppression systems, alarm pull stations, fire barriers, and the use of non-fire rated materials has resulted in Fire Safety Deficiency violations in each of the existing structures. The layout of the existing shops is inefficient for the maintenance teams. On a daily basis, all personnel must make stops at three different buildings to pick up supplies, equipment, technical orders and other data prior to traveling to the missile sites. Large electrical cables used to supply power to equipment in the electronics laboratory are exposed and present a safety hazard. <u>IMPACT IF NOT PROVIDED:</u> Personnel will be forced to continue working in inadequate facilities with safety and fire code deficiencies. Additional manhours are necessary to satisfy mission requirements due to poor functional layout of the individual buildings, as well as having similar functions physically separated. Vital and costly mission essential equipment may be damaged due to additional handling and/or servicing in inadequate service shop areas. <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, 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: Lt Col Carlos Cruz-Gonzalez, (307) 775-3600. Missile Service Shops: 6,936SM = 74,631SF. Administrative: 2,064SM = 22,208SF.		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
F. E. WARREN AIR FORCE BASE, WYOMING		
4. PROJECT TITLE	5. PROJECT NUMBER	
MMIII MISSILE SERVICE COMPLEX	GHLN973001	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		Design, Bid, Build
(1) Status:		
(a) Date Design Started		99 JAN 22
(b) Parametric Cost Estimates used to develop costs		Y
* (c) Percent Complete as of Jan 2000		15%
* (d) Date 35% Designed.		99 DEC 20
(e) Date Design Complete		00 SEP 20
(f) Energy Study/Life-Cycle analysis was/will be performed		Y
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Production of Plans and Specifications		930
(b) All Other Design Costs		465
(c) Total		1395
(d) Contract		1165
(e) In-house		230
(3a) Construction Contract Award Date		00 NOV
(4) Construction Start		01 FEB
(5) Construction Completion		03 JAN
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE	
AIR FORCE									
3. INSTALLATION AND LOCATION						4. COMMAND		5. AREA CONST COST INDEX	
CLASSIFIED LOCATION								0.00	
6. PERSONNEL STRENGTH		PERMANENT		STUDENTS		SUPPORTED			
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL
a. As of 30 SEP 99									
b. End FY 2005									
7. INVENTORY DATA (\$000)									
a. Total Acreage: (0)									
b. Inventory Total As Of: (30 SEP 99) 0									
c. Authorization Not Yet In Inventory: 0									
d. Authorization Requested In This Program: 1,810									
e. Authorization Included In Following Program: (FY 2002) 5,958									
f. Planned In Next Three Program Years: 5,000									
g. Remaining Deficiency: 0									
h. Grand Total: 12,768									
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001									
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS	
CODE								START	CMPL
100-000	SPECIAL TACTICAL UNIT			LS	1,810	APR 99	AUG 00		
	DETACHMENT FACILITY								
TOTAL:					1,810				
9a. Future Projects: Included in the Following Program (FY 2002)									
100-000	SPECIAL TACTICAL UNIT			LS	4,458				
	DETACHMENT FACILITY								
131-132	SBIRS REMOTE GROUND STATION		465 SM		1,500				
TOTAL:					5,958				
9b. Future Projects: Typical Planned Next Three Years:									
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 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
CLASSIFIED			SPECIAL TACTICAL UNIT DETACHMENT FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.72.48	100-000	PAYZ010004	1,810		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
SPECIAL TACTICAL UNIT DETACHMENT FACILITY		LS			1,810
SUBTOTAL					1,810
TOTAL CONTRACT COST					1,810
TOTAL REQUEST					1,810
TOTAL REQUEST (ROUNDED)					1,810
10. Description of Proposed Construction:					
11. REQUIREMENT: As required.					
REQUIREMENT: Special Access Required.					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
CLASSIFIED		
4. PROJECT TITLE	5. PROJECT NUMBER	
SPECIAL TACTICAL UNIT DETACHMENT FACILITY	PAYZ010004	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		Design, Bid, Build
(1) Status:		
(a) Date Design Started		99 APR 02
(b) Parametric Cost Estimates used to develop costs		Y
*(c) Percent Complete as of Jan 2000		15%
*(d) Date 35% Designed.		99 DEC 30
(e) Date Design Complete		00 AUG 15
(f) Energy Study/Life-Cycle analysis was/will be performed		
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Production of Plans and Specifications		107
(b) All Other Design Costs		56
(c) Total		163
(d) Contract		145
(e) In-house		18
(3a) Construction Contract Award Date		00 DEC
(4) Construction Start		01 JAN
(5) Construction Completion		02 DEC
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

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1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
DIEGO GARCIA, BRITISH INDIAN OCEAN				AIR FORCE				COST INDEX			
TERRITORY				SPACE COMMAND				2.45			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		4	19	1							24
b. End FY 2005		4	19	1							24
7. INVENTORY DATA (\$000)											
a. Total Acreage: (0)											
b. Inventory Total As Of: (30 SEP 99) 0											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 5,475											
e. Authorization Included In Following Program: (FY 2002) 0											
f. Planned In Next Three Program Years: 0											
g. Remaining Deficiency: 500											
h. Grand Total: 5,975											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY						COST		DESIGN STATUS			
CODE	PROJECT TITLE	SCOPE		(\$000)		START		CMPL			
422-264	MUNITIONS STORAGE IGLOOS	876 SM		5,475		FEB 99		SEP 00			
TOTAL:				5,475							
9a. Future Projects: Included in the Following Program (FY 2002) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
10. Mission or Major Functions: The host squadron provides facilities, munitions, vehicles, aerospace ground equipment, supplies and aviation fuel to sustain contingency and wartime sortie operations. Additionally, a space operations detachment and a space surveillance detachment are located at the installation.											
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 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
DIEGO GARCIA, BRITISH INDIAN OCEAN TERRITORY			MUNITIONS STORAGE IGLOOS		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.80.31	422-264	SGER013001	5,475		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
MUNITIONS STORAGE IGLOOS	SM	876	4,719	4,134	
SUPPORTING FACILITIES				1,005	
UTILITIES	LS			(275)	
PAVEMENTS	LS			(450)	
SITE IMPROVEMENTS	LS			(280)	
SUBTOTAL				5,139	
TOTAL CONTRACT COST				5,139	
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				334	
TOTAL REQUEST				5,473	
TOTAL REQUEST (ROUNDED)				5,475	
10. Description of Proposed Construction: Reinforced concrete munitions storage igloos, including security measures and all necessary support.					
11. REQUIREMENT: 876 SM ADEQUATE: 0 SUBSTANDARD: 0					
PROJECT: Construct munitions storage igloos. (New Mission)					
REQUIREMENT: Adequate storage facilities are required for prepositioning precision-guided munitions to support the bomber Air Expeditionary Force (AEF). These assets must be stored and maintained ready for use on minimal notice in order to support theater objectives requiring bomber AEF employment.					
CURRENT SITUATION: There are no adequate facilities available for long-term storage of precision-guided munitions. The existing USAF munitions storage site has 36 open-air, bermed magazines, many of them with badly corroded structures due to the salt air environment. Secure, weatherproof facilities are essential for execution of the AEF operating concept.					
IMPACT IF NOT PROVIDED: Adequate facilities will not be available for prepositioning of the munitions necessary for employment of the AEF. Without adequate storage facilities, increased transportation demands will impede US capability to successfully execute contingency plans requiring AEF employment.					
ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." All known alternatives were considered during development of this project. No other option meets the mission requirements. Therefore, no economic analysis was needed or performed. A Certificate of Exception has been prepared. PUBLIC WORKS OFFICER: Cdr Macias, 011-246-370-4500. Munitions Storage Igloos: 876 SM = 9,429 SF					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
DIEGO GARCIA, BRITISH INDIAN OCEAN TERRITORY		
4. PROJECT TITLE	5. PROJECT NUMBER	
MUNITIONS STORAGE IGLOOS	SGER013001	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	99 FEB 22	
(b) Parametric Cost Estimates used to develop costs	Y	
* (c) Percent Complete as of Jan 2000	35%	
* (d) Date 35% Designed.	99 DEC 20	
(e) Date Design Complete	00 SEP 01	
(f) Energy Study/Life-Cycle analysis was/will be performed	N	
(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	328	
(b) All Other Design Costs	165	
(c) Total	493	
(d) Contract	411	
(e) In-house	82	
(4) Construction Start	01 MAR	
(5) Construction Completion	02 SEP	
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
AVIANO AIR BASE, ITALY				UNITED STATES AIR FORCES IN EUROPE				COST INDEX 1.33			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		375	3324	571				110	599	172	5,151
b. End FY 2005		372	3316	558				110	599	172	5,127
7. INVENTORY DATA (\$000)											
a. Total Acreage: (1,199)											
b. Inventory Total As Of: (30 SEP 99) 1,385,057											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 8,000											
e. Authorization Included In Following Program: (FY 2002) 12,300											
f. Planned In Next Three Program Years: 8,300											
g. Remaining Deficiency: 29,750											
h. Grand Total: 1,443,407											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START		CMP	
721-312	DORMITORY			102 RM		8,000		JAN 99		SEP 00	
TOTAL:						8,000					
9a. Future Projects: Included in the Following Program (FY 2002)											
171-475	INDOOR FIRING RANGE			1,483 SM		4,100					
721-312	DORMITORY (102 RM)			102 RM		8,200					
TOTAL:						12,300					
9b. Future Projects: Typical Planned Next Three Years:											
721-312	DORMITORY (102 RM)			102 RM		8,300					
10. Mission or Major Functions: The host fighter wing supports two permanently assigned F-16 squadrons, multiservice/multinational forces in support of OPERATION JOINT GUARD/DELIBERATE GUARD, and hosts Head Quarters Sixteenth Air Force.											
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										31,957	

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
AVIANO AIR BASE, ITALY			DORMITORY (102 RM)		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
2.75.96	721-312	ASHE013003A	8,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (102 RM)		LS			5,998
DORMITORY		SM	3,396	1,708	(5,800)
FORCE PROTECTION/ANTITERRORISM		LS			(198)
SUPPORTING FACILITIES					1,471
UTILITIES		LS			(597)
PAVEMENTS/PARKING		LS			(498)
SITE IMPROVEMENTS		LS			(376)
SUBTOTAL					7,469
TOTAL CONTRACT COST					7,469
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)					485
TOTAL REQUEST					7,954
TOTAL REQUEST (ROUNDED)					8,000
FCF BUDGET RATE USED: ITALIAN LIRA 1,932.1900					
10. Description of Proposed Construction: Three-story facility with reinforced concrete foundation and floor slabs, masonry walls and pitched roof. Includes room-bath/kitchen-room modules, laundry room, storage room, lounge areas, all supporting utilities, and site improvements to include parking. Force protection measures include laminated glass, stand-off construction, reinforced walls, and exterior lighting. Air Conditioning: 150 KW. Grade Mix: 102 E1-E4.					
11. REQUIREMENT: 1,201 RM ADEQUATE: 404 RM SUBSTANDARD: 0 <u>PROJECT:</u> Construct a dormitory. (Current Mission) <u>REQUIREMENT:</u> 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 jobs these people must perform. As an overseas location with a sensitive mission, the dormitory must also be constructed to deter terrorist activity and protect occupants from terrorist attack. This project is in accordance with the Air Force Dormitory Master Plan. <u>CURRENT SITUATION:</u> As verified by the Air Force Dormitory Master Plan, the base has insufficient facilities to adequately accomodate permanent party unaccompanied enlisted personnel required to live on-base per Air Force policy. <u>IMPACT IF NOT PROVIDED:</u> Adequate living quarters will continue to be unavailable resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. Lowered morale will contribute to retention difficulties for the Air Force.					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
AVIANO AIR BASE, ITALY		
4. PROJECT TITLE	5. PROJECT NUMBER	
DORMITORY (102 RM)	ASHE013003A	
ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard known as "one-plus-one" established by OSD. This project is not NATO eligible because NATO beddown requirements are currently met or programmed for construction. All known alternatives were considered during the development of this project. No other option could meet mission requirements. Therefore, no economic analysis was needed or performed. FY 1998 Unaccompanied Housing RPM Conducted: \$21K. FY 1999 Unaccompanied Housing RPM Conducted: \$2,649K. Future Unaccompanied Housing RPM requirements (Estimated): FY00=\$38K; FY01=\$42K; FY02=\$80K; FY03=\$85K; BASE CIVIL ENGINEER: Lt Col Mark Correll, 011-39-434-66-7500. Dormitory: 3,396 SM = 36,541 SF.		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
AVIANO AIR BASE, ITALY		
4. PROJECT TITLE	5. PROJECT NUMBER	
DORMITORY (102 RM)	ASHE013003A	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data: Design, Bid, Build		
(1) Status:		
(a) Date Design Started	99 JAN 26	
(b) Parametric Cost Estimates used to develop costs	Y	
* (c) Percent Complete as of Jan 2000	15%	
* (d) Date 35% Designed.	99 DEC 15	
(e) Date Design Complete.	00 SEP 01	
(f) Energy Study/Life-Cycle analysis was/will be performed	Y	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	AVIANO	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	480	
(b) All Other Design Costs	240	
(c) Total	720	
(d) Contract	600	
(e) In-house	120	
(3a) Construction Contract Award Date	01 MAY	
(4) Construction Start	01 JUN	
(5) Construction Completion	02 AUG	
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX			
KUNSAN AIR BASE, KOREA				PACIFIC AIR FORCES				1.07			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		215	2305	345				13	153	13	3,044
b. End FY 2005		208	2271	344				13	153	13	3,002
7. INVENTORY DATA (\$000)											
a. Total Acreage: (2,557)											
b. Inventory Total As Of: (30 SEP 99) 9,487,605											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 6,400											
e. Authorization Included In Following Program: (FY 2002) 0											
f. Planned In Next Three Program Years: 6,900											
g. Remaining Deficiency: 0											
h. Grand Total: 9,500,905											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY											
CODE		PROJECT TITLE				SCOPE		COST (\$000)		DESIGN STATUS START CMPL	
841-165		UPGRADE WATER DISTRIBUTION SYSTEM				LS		6,400		JAN 99 AUG 00	
TOTAL:								6,400			
9a. Future Projects: Included in the Following Program (FY 2002) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
721-312		DORMITORY				100 RM		6,900			
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:										0	
12. Real Property Maintenance Backlog This Installation										70,405	

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
KUNSAN AIR BASE, KOREA			UPGRADE WATER DISTRIBUTION SYSTEM		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.75.96	841-165	MLWR013105	6,400		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
UPGRADE WATER DISTRIBUTION SYSTEM	LS			5,781	
NEW WATER MAINS	LM	13,777	193	(2,659)	
WATER STORAGE TANK	KL	1,893	1,264	(2,393)	
PRESEDIMENTATION BASIN	KL	620	1,176	(729)	
SUPPORTING FACILITIES				257	
SITE IMPROVEMENTS	LS			(100)	
PAVEMENTS	LS			(105)	
ANTITERRORISM FORCE PROTECTION	LS			(52)	
SUBTOTAL				6,038	
TOTAL CONTRACT COST				6,038	
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				392	
TOTAL REQUEST				6,430	
TOTAL REQUEST (ROUNDED)				6,400	
FCF BUDGET RATE USED: Won 1,149.8000					
10. Description of Proposed Construction: Construct elevated water storage tank and presedimentation basin in existing plant complex, replace existing mains and install new mains in aircraft parking areas and along perimeter road. Antiterrorism force protection measures in accordance with the USAF Installation Force Protection Guide. All necessary support.					
11. REQUIREMENT: As required.					
PROJECT: Upgrade water distribution system. (Current Mission)					
REQUIREMENT: A reliable and survivable water supply is essential to support the mission of this warfighting base. Additional water mains and hydrants are necessary to provide fire protection for parked aircraft. Additional water storage is required to provide adequate storage capacity and pressure for firefighting. A new supply line and presedimentation basin are needed to improve reliability, quantity, and quality of treated water available to meet mission requirements. Antiterrorism force protection measures are based on a joint staff-directed vulnerability assessment.					
CURRENT SITUATION: Existing water capacity is well below needed quantities for normal use plus emergency contingency requirements. There are no hydrants in the hardened aircraft parking areas for firefighting.					
IMPACT IF NOT PROVIDED: Water supply and distribution deficiencies will continue to compromise safety, placing personnel and aircraft at risk and jeopardizing mission accomplishment.					
ADDITIONAL: This project meets scope/criteria specified in Air Force Handbook 32-1084, "Facility Requirements." This project was submitted unsuccessfully for host nation funding. Only \$30M is available annually for host nation funded construction. A host-nation funded project programmed for CY99 will replace existing deteriorated water mains. This					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
KUNSAN AIR BASE, KOREA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE WATER DISTRIBUTION SYSTEM	MLWR013105	
project adds a vital flightline fire protection capability and improves the reliability of the water supply system. A preliminary analysis of options for satisfying this requirement indicates that only one option will meet mission needs. Therefore a complete economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: Lt Col Desport 011-82-654-470-5400. New Water Mains: 13,777 LM = 45,200 LF; Water Storage Tank: 1,893 KL = 500,000 GAL; Presedimentation Basin: 620 KL		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
KUNSAN AIR BASE, KOREA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE WATER DISTRIBUTION SYSTEM	MLWR013105	
12. SUPPLEMENTAL DATA: Design, Bid, Build		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	99 JAN 29	
(b) Parametric Cost Estimates used to develop costs	Y	
* (c) Percent Complete as of Jan 2000	15%	
* (d) Date 35% Designed.	99 DEC 30	
(e) Date Design Complete	00 AUG 15	
(f) Energy Study/Life-Cycle analysis was/will be performed	Y	
(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	384	
(b) All Other Design Costs	192	
(c) Total	576	
(d) Contract	476	
(e) In-house	100	
(3a) Construction Contract Award Date	00 DEC	
(4) Construction Start	01 JAN	
(5) Construction Completion	02 AUG	
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 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		1.06	
6. PERSONNEL STRENGTH		PERMANENT		STUDENTS		SUPPORTED	
		OFF	ENL	CIV	OFF	ENL	CIV
a. As of 30 SEP 99		577	4716	670		1084	4838
b. End FY 2005		550	4493	661		1084	4838
7. INVENTORY DATA (\$000)							
a. Total Acreage: (1,777)							
b. Inventory Total As Of: (30 SEP 99) 3,671,893							
c. Authorization Not Yet In Inventory: 0							
d. Authorization Requested In This Program: 21,948							
e. Authorization Included In Following Program: (FY 2002) 12,000							
f. Planned In Next Three Program Years: 25,800							
g. Remaining Deficiency: 0							
h. Grand Total: 3,731,641							
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001							
CATEGORY				COST		DESIGN STATUS	
CODE	PROJECT TITLE	SCOPE		(\$000)	START	CMPL	
721-312	DORMITORY	156 RM		11,348	JAN 99	AUG 00	
841-165	UPGRADE WATER DISTRIBUTION SYSTEM	LS		10,600	JAN 99	AUG 00	
TOTAL:				21,948			
9a. Future Projects: Included in the Following Program (FY 2002)							
721-312 DORMITORY		156 RM		12,000			
TOTAL:				12,000			
9b. Future Projects: Typical Planned Next Three Years:							
721-312 DORMITORY		156 RM		12,900			
721-312 DORMITORY		156 RM		12,900			
10. Mission or Major Functions: The host fighter wing supports an F-16 squadron, and an A/OA-10 squadron. 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), an Air Mobility Command air mobility support squadron; an Air Combat Command reconnaissance squadron, and an intelligence 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						75,650	

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
OSAN AIR BASE, KOREA			DORMITORY (156 RM)		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.75.96	721-312	SMYU973011	11,348		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (156 RM)		SM	5,460	1,739	9,495
SUPPORTING FACILITIES					1,160
UTILITIES/PAVEMENTS		LS			(250)
SITE IMPROVEMENTS		LS			(110)
DEMOLITION/ASBESTOS REMOVAL		LS			(100)
COMMUNICATIONS		LS			(100)
ANTITERRORISM/NBC FORCE PROTECTION		LS			(600)
SUBTOTAL					10,655
TOTAL CONTRACT COST					10,655
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)					693
TOTAL REQUEST					11,348
TOTAL REQUEST (ROUNDED)					11,348
FCF BUDGET RATE USED: Won 1,149.8000					
10. Description of Proposed Construction: A four-story facility with reinforced concrete foundation and floor slabs, masonry walls and roof. Includes room-bath/kitchen-room modules, laundries, storage and lounge area and all supporting facilities. Antiterrorism force protection measures in accordance with the USAF Installation Force Protection Guide. Air Conditioning: 400 KW. Grade Mix: 156 E1-E4.					
11. REQUIREMENT: 5,114 RM ADEQUATE: 3,856 RM SUBSTANDARD: 0 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. This project is in accordance with the Air Force Dormitory Master Plan. Antiterrorism force protection requirements are based on a joint staff-directed installation vulnerability assessment. CURRENT SITUATION: As verified by the Air Force Dormitory Master Plan, the The base has insufficient facilities to adequately accommodate permanent party unaccompanied enlisted personnel required to live on-base per Air Force policy. IMPACT IF NOT PROVIDED: Adequate living quarters will continue to be unavailable resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. Low morale will contribute to retention difficulties for the Air Force. ADDITIONAL: This project meets the criteria/scope specified in the new					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
OSAN AIR BASE, KOREA (156 RM)		
4. PROJECT TITLE	5. PROJECT NUMBER	
DORMITORY	SMYU973011	
uniform barracks construction standard, known as "one plus one," established by OSD. This project is eligible for host nation funding. To construct the needed dormitories in a reasonable time this dorm is submitted in the MILCON program. All known alternatives were considered during the development of this project. No other option could meet mission requirements, therefore no economic analysis was performed. A certificate of exception has been prepared. FY 1998 Unaccompanied Housing RPM conducted:\$2,248K. FY 1999 Unaccompanied Housing RPM conducted:\$825K. Future Unaccompanied Housing RPM requirements (estimated): FY00: \$2,348K; FY01: \$2,400K; FY02: \$2,453K; FY03: \$2,507K. BASE CIVIL ENGINEER: Lt Col Hicks, 011-82-333-661-4312. Domitory: 5,460 SM = 58,400		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) --	2. DATE
3. INSTALLATION AND LOCATION OSAN AIR BASE, KOREA		
4. PROJECT TITLE	5. PROJECT NUMBER	
DORMITORY (156 RM)	SMYU973011	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		Design, Bid, Build
(1) Status:		
(a) Date Design Started	99 JAN 29	
(b) Parametric Cost Estimates used to develop costs	Y	
* (c) Percent Complete as of Jan 2000	15%	
* (d) Date 35% Designed.	99 DEC 30	
(e) Date Design Complete	00 AUG 15	
(f) Energy Study/Life-Cycle analysis was/will be performed	Y	
(2) Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	OSAN	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications	681	
(b) All Other Design Costs	340	
(c) Total	1021	
(d) Contract	921	
(e) In-house	100	
(3a) Construction Contract Award Date	00 NOV	
(4) Construction Start	00 DEC	
(5) Construction Completion	02 DEC	
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 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			1.06				
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		577	4716	670				1084	4838	595	12,480
b. End FY 2005		550	4493	661				1084	4838	595	12,221
7. INVENTORY DATA (\$000)											
a. Total Acreage: (1,777)											
b. Inventory Total As Of: (30 SEP 99) 3,671,893											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 21,948											
e. Authorization Included In Following Program: (FY 2002) 12,000											
f. Planned In Next Three Program Years: 25,800											
g. Remaining Deficiency: 0											
h. Grand Total: 3,731,641											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY						COST		DESIGN		STATUS	
CODE	PROJECT TITLE	SCOPE				(\$000)	START	CMPL			
721-312	DORMITORY	156 RM				11,348	JAN 99	AUG 00			
841-165	UPGRADE WATER DISTRIBUTION SYSTEM	LS				10,600	JAN 99	AUG 00			
TOTAL:						21,948					
9a. Future Projects: Included in the Following Program (FY 2002)											
721-312 DORMITORY		156 RM				12,000					
TOTAL:						12,000					
9b. Future Projects: Typical Planned Next Three Years:											
721-312 DORMITORY		156 RM				12,900					
721-312 DORMITORY		156 RM				12,900					
10. Mission or Major Functions: The host fighter wing supports an F-16 squadron, and an A/OA-10 squadron. 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), an Air Mobility Command air mobility support squadron; an Air Combat Command reconnaissance squadron, and an intelligence 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										75,650	

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
OSAN AIR BASE, KOREA			UPGRADE WATER DISTRIBUTION SYSTEM		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
2.75.96	841-165	SMYU973040	10,600		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE WATER DISTRIBUTION SYSTEM		LS			9,945
REPLACE WATER DISTRIBUTION MAINS		LM	61,162	140	(8,563)
NEW WATER DISTRIBUTION MAINS		LM	1,400	140	(196)
ADD/ALTER WATER TREATMENT PLANT		SM	1,156	1,026	(1,186)
SUPPORTING FACILITIES					100
ANTITERRORISM FORCE PROTECTION		LS			(100)
SUBTOTAL					10,045
TOTAL CONTRACT COST					10,045
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)					653
TOTAL REQUEST					10,698
TOTAL REQUEST (ROUNDED)					10,600
FCF BUDGET RATE USED: Won 1,149.8000					
10. Description of Proposed Construction: Replace distribution lines, valves and hydrants, extend mains to north end of runway with new valves, hydrants, and connections. Add to and alter the existing water treatment plant, including addition of automated water treatment controls. Antiterrorism measures are in accordance with the USAF Installation Force Protection Guide.					
11. REQUIREMENT: As required. PROJECT: Upgrade water distribution system. (Current Mission) REQUIREMENT: A reliable, survivable water supply is essential to support the mission of this warfighting base. The system extension to the north end of the runway is needed to provide firefighting capability to Patriot missile sites. Antiterrorism requirements are based on a joint staff-directed installation vulnerability assessment. CURRENT SITUATION: The existing system is 43 years old and does not have adequate capacity to meet current firefighting flow requirements. Patriot missile sites north of the runway have no water for firefighting, equipment, or drinking. Pipes weakened by age and corrosion cannot withstand incoming water pressures, fail frequently, and cause lengthy outages. An insufficient number of isolation valves causes large areas of the base to lose service during repairs. IMPACT IF NOT PROVIDED: Fire protection will continue to be compromised in peacetime and remain inadequate for warfighting, placing personnel and assets at risk and jeopardizing mission accomplishment. ADDITIONAL: This project meets the scope/criteria specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of options for satisfying this requirement was completed. Only one option satisfies mission requirements. Therefore, a full economic analysis was					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
OSAN AIR BASE, KOREA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE WATER DISTRIBUTION SYSTEM	SMYU973040	
not performed. A certificate of exception has been prepared. Host-nation funded projects will replace most of the existing system by FY03. Greater water demand from new construction and base growth increases the need to upgrade the deteriorated system. Host-nation funding at an annual level of \$30M is inadequate for timely completion. BASE CIVIL ENGINEER: Lt Col Hicks, 011-82-333-661-4312. Replace Water Mains: 61,162 LM = 200,000 LF; New Water Mains: 1,400 LM = 4578 LF; Add/alter Water Treatment Plant: 1,156 SM = 12,370 SF.		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated) -	
3. INSTALLATION AND LOCATION		
OSAN AIR BASE, KOREA		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE WATER DISTRIBUTION SYSTEM	SMYU973040	
12. SUPPLEMENTAL DATA:		
Design, Bid, Build		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started	99 JAN 29	
(b) Parametric Cost Estimates used to develop costs	Y	
* (c) Percent Complete as of Jan 2000	15%	
* (d) Date 35% Designed.	99 DEC 30	
(e) Date Design Complete	00 AUG 15	
(f) Energy Study/Life-Cycle analysis was/will be performed	Y	
(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	636	
(b) All Other Design Costs	318	
(c) Total	954	
(d) Contract	854	
(e) In-house	100	
(3a) Construction Contract Award Date	00 DEC	
(4) Construction Start	01 JAN	
(5) Construction Completion	03 JAN	
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
ROTA NAVAL AIR STATION, SPAIN				AIR MOBILITY COMMAND				COST INDEX 1.12			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		5	123	2							130
b. End FY 2005		5	123	2							130
7. INVENTORY DATA (\$000)											
a. Total Acreage: (0)											
b. Inventory Total As Of: (30 SEP 99) 0											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 5,052											
e. Authorization Included In Following Program: (FY 2002) 34,500											
f. Planned In Next Three Program Years: 14,100											
g. Remaining Deficiency: 98,700											
h. Grand Total: 152,352											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY						COST		DESIGN STATUS			
CODE	PROJECT TITLE	SCOPE				(\$000)	START	CMPL			
211-174	ENHANCED ROTA, VARIOUS FACILITIES	LS				5,052	MAY 99	SEP 00			
TOTAL:						5,052					
9a. Future Projects: Included in the Following Program (FY 2002)											
113-321	AIRCRAFT PARKING APRON,1	LS				34,500					
PHASE 1											
TOTAL:						34,500					
9b. Future Projects: Typical Planned Next Three Years:											
113-321	AIRCRAFT PARKING APRON,	LS				14,100					
PHASE 2											
10. Mission or Major Functions: Enroute support for airlift and tanker aircraft. AMC air mobility support squadron and medical detachment are assigned.											
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		2. DATE	
AIR FORCE		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	
3. INSTALLATION AND LOCATION		4. PROJECT TITLE	
ROTA NAVAL STATION, SPAIN		ENHANCED ROTA, VARIOUS FACILITIES	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
4.18.96	211-174	ASKE013001	5,052
9. COST ESTIMATES			
ITEM	U/M	QUANTITY	COST (\$000)
ENHANCED ROTA, VARIOUS FACILITIES	LS		3,542
AIRCRAFT MAINTENANCE	SM	419	(620)
FORWARD SUPPLY WAREHOUSE .	SM	738	(535)
POL OPERATIONS	SM	459	(643)
FUEL FILTER FACILITY	SM	164	(74)
TRUCK REFUEL FACILITY	SM	111	(50)
FLEET POST OFFICE	SM	824	(1,300)
AERO CLUB HANGAR	SM	465	(320)
SUPPORTING FACILITIES			1,202
UTILITIES/PAVEMENTS/SITE IMPROVEMENTS	LS		(1,202)
SUBTOTAL			4,744
TOTAL CONTRACT COST			4,744
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)			308
TOTAL REQUEST			5,052
TOTAL REQUEST (ROUNDED)			5,052
FCF BUDGET RATE USED: Peseta 165.3000			
10. Description of Proposed Construction: All architectural, civil, mechanical and electrical work necessary to construct flightline maintenance, forward supply warehouse, POL operations, filter shelter, truck refuel facility, fleet post office, and aero club hangar. Masonry walls, metal roof. Includes concrete foundations and all supporting utilities, pavements, and site prep.			
11. REQUIREMENT: As required.			
PROJECT: Construct various facilities. (New Mission)			
REQUIREMENT: This project is required to replace 7 facilities which are located on the site of aircraft parking planned for construction in FY02 and FY03. This project supports a two-phase plan to construct 16 aircraft parking spots with hydrant refueling. The Air Mobility Support Squadron flightline maintenance facility and the forward supply location warehouse will be relocated adjacent to the flightline and include parking. The POL operations facility and ancillary structures, the truck refuel facility and the filter shelter will include provisions for a roadway and truck parking. The fleet post office includes parking. The aero club hangar will replace existing hangar space to be demolished in the second phase of the apron construction. These 7 facilities must be complete prior to demolition of the existing facilities.			
CURRENT SITUATION: Rota's 5 widebody aircraft parking spaces cannot meet projected mission demands for strategic mobility through the Southern European region. An interservice study of peacetime and contingency plans determined a need for 16 widebody (2 for dangerous cargo) parking spots with hydrant refueling. Additionally, current aircraft parking violates airfield safety criteria and operations are under a waiver. The expansion of the apron to accommodate the parking spots requires the demolition of 7			

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
ROTA NAVAL STATION, SPAIN		
4. PROJECT TITLE	5. PROJECT NUMBER	
ENHANCED ROTA, VARIOUS FACILITIES	ASKE013001	
facilities. <u>IMPACT IF NOT PROVIDED:</u> The existing parking apron at Rota will be insufficient to handle projected peacetime aircraft sorties (10 per day) or contingency aircraft sorties (up to 40 a day). Aircraft will be towed and refueled by truck, resulting in delayed missions and increased sortie generation time. Widebody aircraft will continue to operate under waivers for runway and taxiway safety clearance zones. <u>ADDITIONAL:</u> 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 was done. It indicates that new construction is the only option that will meet operational demands. Because of this, a full economic analysis was not performed. A certificate of exception was prepared. The European En-Route Steering Committee, jointly chaired by EUCOM/J4 and TRANSCOM/J5, validated this project. This project is not currently eligible for NATO funding, but will be submitted to NATO with a prefinancing statement. Director of Public Works: CMDR Michael Doyle 011-34-956-82-2343. A/C Maint: 419 SM = 4510 SF; Supply Warehouse: 738 SM = 7944 SF; POL Ops: 459 SM = 4491 SF; Fuel Filter Fac: 164 SM = 1765 SF; Truck RefuelFac: 164 SM = 1765 SF; Post Office: 824 SM = 8869 SF; Aero Club: 465 SM = 5,005 SF		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION ROTA NAVAL STATION, SPAIN		
4. PROJECT TITLE	5. PROJECT NUMBER	
ENHANCED ROTA, VARIOUS FACILITIES	ASKE013001	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		Design, Bid, Build
(1) Status:		
(a) Date Design Started	99 MAY 11	
(b) Parametric Cost Estimates used to develop costs	Y	
* (c) Percent Complete as of Jan 2000	15%	
* (d) Date 35% Designed.	00 JAN 30	
(e) Date Design Complete	00 SEP 30	
(f) Energy Study/Life-Cycle analysis was/will be performed	Y	
(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	318	
(b) All Other Design Costs	159	
(c) Total	477	
(d) Contract	357	
(e) In-house	120	
(3a) Construction Contract Award Date	01 APR	
(4) Construction Start	01 MAY	
(5) Construction Completion	02 MAY	
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 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 0.91			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		134	1222	255				211	1054	212	3,088
b. End FY 2005		128	1246	255				211	1054	212	3,106
7. INVENTORY DATA (\$000)											
a. Total Acreage: (3,328)											
b. Inventory Total As Of: (30 SEP 99) 1,978,989											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 1,000											
e. Authorization Included In Following Program: (FY 2002) 5,200											
f. Planned In Next Three Program Years: 5,100											
g. Remaining Deficiency: 0											
h. Grand Total: 1,990,289											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN START		STATUS CMPL	
179-511	FIRE TRAINING FACILITY			LS		1,000		JAN 99		SEP 00	
TOTAL:						1,000					
9a. Future Projects: Included in the Following Program (FY 2002)											
442-758	BASE SUPPLY WAREHOUSE			SM		5,200					
TOTAL:						5,200					
9b. Future Projects: Typical Planned Next Three Years:											
131-111	CONSOLIDATED COMMUNICATIONS FACILITY			SM		2,100					
872-247	FORCE PROTECTION PERIMETER IMPROVEMENTS			SM		3,000					
10. Mission or Major Functions: The host wing provides command and control and logistics support for US forces deployed to Turkey and supports multinational forces in support of OPERATION NORTHERN WATCH.											
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										14,808	

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
INCIRLIK AIR BASE, TURKEY			FIRE TRAINING FACILITY		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
2.74.56	179-511	LJYC003005	1,000		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
FIRE TRAINING FACILITY	LS			723	
SUPPORTING FACILITIES				231	
UTILITIES	LS			(60)	
PAVEMENTS	LS			(66)	
SITE IMPROVEMENTS	LS			(80)	
DEMOLITION	LS			(25)	
SUBTOTAL				954	
TOTAL CONTRACT COST				954	
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				62	
TOTAL REQUEST				1,016	
TOTAL REQUEST (ROUNDED)				1,000	
FCF BUDGET RATE USED: TURKISH LIRA 518,220.0000					
10. Description of Proposed Construction: Construct a fire training facility to include: a double 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 all necessary support.					
11. REQUIREMENT: 1 LS ADEQUATE: 0 SUBSTANDARD: 1 LS PROJECT: Construct a fire training facility. (Current Mission) REQUIREMENT: This is a Level I environmental compliance requirement. A live fire training facility is required to simulate aircraft fires for fire training in accordance with Air Force policy. Air Force policy requires an environmentally acceptable fire training facility at installations with a flying mission. The policy further prohibits use of existing fire training facilities which do not provide protection against contamination of land, water, and air resources. Acceptable fire training facilities include a double-lined impermeable fire pit with a 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) requirement for fire fighters to maintain a high level of proficiency. CURRENT SITUATION: The existing facility has been closed since 1993; thus live fire training cannot currently be conducted. Only minimal fire training is conducted using existing mock up structures with no fire or heat capability. This training does not fulfill Air Force or FAA requirements. There are no other environmentally approved live fire training facilities in the local area. Long-term off-base training is not acceptable because flying and support missions at Incirlik require full firefighting capability to respond to base emergencies.					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
INCIRLIK AIR BASE, TURKEY		
4. PROJECT TITLE	5. PROJECT NUMBER	
FIRE TRAINING FACILITY	LJYC003005	
IMPACT IF NOT PROVIDED: Fire fighters will not be able to meet Air Force and FAA quarterly training requirements to remain proficient in aircraft crash fire fighting and rescue techniques. The safety of both the firefighters and aircraft accident victims will continue to be compromised by lack of proper training. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1024, "Facility Requirements." This project is not eligible for NATO funding because fire fighting training is a user-nation responsibility. Base Civil Engineer: Maj Glenn Pappas 011-90-332-346-3657		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
INCIRLIK AIR BASE, TURKEY		
4. PROJECT TITLE	5. PROJECT NUMBER	
FIRE TRAINING FACILITY	LJYC003005	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		Design, Bid, Build
(1) Status:		
(a) Date Design Started		99 JAN 26
(b) Parametric Cost Estimates used to develop costs		Y
* (c) Percent Complete as of Jan 2000		15%
* (d) Date 35% Designed.		00 JAN 15
(e) Date Design Complete		00 SEP 01
(f) Energy Study/Life-Cycle analysis was/will be performed		
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Production of Plans and Specifications		60
(b) All Other Design Costs		30
(c) Total		90
(d) Contract		75
(e) In-house		15
(3a) Construction Contract Award Date		00 DEC
(4) Construction Start		01 JAN
(5) Construction Completion		01 AUG
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

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1. COMPONENT		FY 2001 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 99											
b. End FY 2005											
7. INVENTORY DATA (\$000)											
a. Total Acreage: (0)											
b. Inventory Total As Of: (30 SEP 99) 0											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 64,087											
e. Authorization Included In Following Program: (FY 2002) 41,593											
f. Planned In Next Three Program Years: 169,316											
g. Remaining Deficiency: 0											
h. Grand Total: 274,996											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START		CMPL	
010-211	PLANNING AND DESIGN				LS	54,237		00		00	
010-211	UNSPECIFIED MINOR CONSTRUCTION				LS	9,850		00		00	
TOTAL:						64,087					
9a. Future Projects: Included in the Following Program (FY 2002)											
010-211	PLANNING AND DESIGN				LS	31,748					
010-211	UNSPECIFIED MINOR CONSTRUCTION				LS	9,845					
TOTAL:						41,593					
9b. Future Projects: Typical Planned Next Three Years:											
010-211	PLANNING AND DESIGN				LS	43,032					
010-211	UNSPECIFIED MINOR CONSTRUCTION				LS	9,897					
010-211	PLANNING AND DESIGN				LS	47,574					
010-211	UNSPECIFIED MINOR CONSTRUCTION				LS	9,949					
010-211	PLANNING AND DESIGN				LS	48,867					
010-211	UNSPECIFIED MINOR CONSTRUCTION				LS	9,997					
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 2001 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	PAYZ010002	9,850		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
UNSPECIFIED MINOR CONSTRUCTION		LS			9,850
SUBTOTAL					9,850
TOTAL CONTRACT COST					9,850
TOTAL REQUEST					9,850
TOTAL REQUEST (ROUNDED)					9,850
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 FY01. 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 FY02 Military Construction Program funds.					

Planning and Design

1. COMPONENT		FY 2001 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 99											
b. End FY 2005											
7. INVENTORY DATA (\$000)											
a. Total Acreage: (0)											
b. Inventory Total As Of: (30 SEP 99) 0											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 64,087											
e. Authorization Included In Following Program: (FY 2002) 41,593											
f. Planned In Next Three Program Years: 169,316											
g. Remaining Deficiency: 0											
h. Grand Total: 274,996											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY						COST		DESIGN STATUS			
CODE	PROJECT TITLE	SCOPE		(\$000)		START		CMPL			
010-211	PLANNING AND DESIGN	LS		54,237		00		00			
010-211	UNSPECIFIED MINOR CONSTRUCTION	LS		9,850		00		00			
TOTAL:				64,087							
9a. Future Projects: Included in the Following Program (FY 2002)											
010-211	PLANNING AND DESIGN	LS		31,748							
010-211	UNSPECIFIED MINOR CONSTRUCTION	LS		9,845							
TOTAL:				41,593							
9b. Future Projects: Typical Planned Next Three Years:											
010-211	PLANNING AND DESIGN	LS		43,032							
010-211	UNSPECIFIED MINOR CONSTRUCTION	LS		9,897							
010-211	PLANNING AND DESIGN	LS		47,574							
010-211	UNSPECIFIED MINOR CONSTRUCTION	LS		9,949							
010-211	PLANNING AND DESIGN	LS		48,867							
010-211	UNSPECIFIED MINOR CONSTRUCTION	LS		9,997							
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 2001 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	PAYZ010001	54,237		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PLANNING AND DESIGN		LS			54,237
PLANNING AND DESIGN		LS			(54,237)
SUBTOTAL					54,237
TOTAL CONTRACT COST					54,237
TOTAL REQUEST					54,237
TOTAL REQUEST (ROUNDED)					54,237
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. <u>REQUIREMENT:</u> These planning and design funds are required to complete the design of facilities in the FY02 Military Construction Program, initiate design of facilities in the FY03 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.					

Working Capital Funds Construction Projects

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)					2. DATE	
AIR FORCE								
3. INSTALLATION AND LOCATION			4. COMMAND			5. AREA CONST		
TINKER AIR FORCE BASE, OKLAHOMA			AIR FORCE			COST INDEX		
			MATERIEL COMMAND			0.86		
6. PERSONNEL		PERMANENT		STUDENTS		SUPPORTED		
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		1081	5076	13707				851 620 21,335
b. End FY 2005		1097	5045	14257				851 620 21,870
7. INVENTORY DATA (\$000)								
a. Total Acreage: (4,886)								
b. Inventory Total As Of: (30 SEP 99) 8,338,950								
c. Authorization Not Yet In Inventory: 0								
d. Authorization Requested In This Program: 18,180								
e. Authorization Included In Following Program: (FY 2002) 17,300								
f. Planned In Next Three Program Years: 45,300								
g. Remaining Deficiency: 124,100								
h. Grand Total: 8,543,830								
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001								
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS
CODE								START CMPL
211-159	DEPOT CORROSION CONTROL STRIP			5,065 SM		12,380		TURN KEY
	FACILITY (WORKING CAPITAL FUND)							
721-312	DORMITORY			96 RM		5,800		TURN KEY
				TOTAL:		18,180		
9a. Future Projects: Included in the Following Program (FY 2002)								
217-742	COMBAT COMMUNICATIONS			2,800 SM		8,700		
	SQUADRON OPERATIONS COMPLEX							
721-312	DORMITORY			144 RM		8,600		
				TOTAL:		17,300		
9b. Future Projects: Typical Planned Next Three Years:								
141-764	ADD TO INTEGRATION SUPPORT			2,726 SM		6,300		
	FACILITY							
141-764	SOFTWARE SUPPORT FACILITY			6,690 SM		12,600		
211-254	ALTER DEPOT PLATING SHOP			LS		9,600		
721-312	DORMITORY			144 RM		9,300		
721-312	DORMITORY			120 RM		7,500		
10. Mission or Major Functions: Oklahoma City Air Logistics Center which is responsible for logistics management, support, and depot-level maintenance, repair and overhaul of B-1, B-2, B-52, KC-135, and E-3 aircraft and aircraft engines; an air base wing; an Air Combat Command Air Control Wing with four 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 Installations Wing. A major tenant is the US Navy Strategic Command (TACAMO) Wing with E-6 aircraft.								
11. Outstanding pollution and safety (OSHA) deficiencies:								
a. Air pollution: 5,800,000								
b. Water pollution: 3,124,000								
c. Occupational safety and health: 0								
d. Other Environmental: 0								
12. Real Property Maintenance Backlog This Installation 59,288								

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
TINKER AIR FORCE BASE, OKLAHOMA			DEPOT CORROSION CONTROL STRIP FACILITY (WORKING CAPITAL FUND)		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
7.28.96	211-159	WWYK983156	12,380		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DEPOT CORROSION CONTROL STRIP FACILITY		SM	5,065	2,000	10,130
SUPPORTING FACILITIES					1,530
UTILITIES		LS			(680)
PAVEMENT		LS			(400)
SPECIAL FOUNDATION (DRILLED PIERS)		LS			(200)
SITE IMPROVEMENTS		LS			(250)
SUBTOTAL					11,660
TOTAL CONTRACT COST					11,660
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					665
TOTAL REQUEST					12,325
TOTAL REQUEST (ROUNDED)					12,380
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(11,400)
10. Description of Proposed Construction: One-bay structure with concrete slab on pier and grade beam, steel frame, masonry walls, roof, fire wall, fire suppression system, and all other necessary support. Air Conditioning: 35 KW.					
11. REQUIREMENT: 29,622 SM ADEQUATE: 24,557 SM SUBSTANDARD: 3,885 SM PROJECT: Construct a depot corrosion control strip facility. (Current Mission) REQUIREMENT: An environmentally safe paint stripping facility is required to perform corrosion control for all presently assigned aircraft (B-1, B-52, KC-135, E-3 etc.). The facility must incorporate the most modern paint stripping technologies and reduce the use of volatile organic compounds (VOCs) as stripping agents. CURRENT SITUATION: Implementation of the Clean Air Act Amendment of 1990 and the National Emission Standards for Hazardous Air Pollutants (NESHAP) of 1998, requires significant reduction in VOC emissions from paint stripping. Plans are underway to reduce the VOC emissions with a new manual dry media blast technology. The existing facilities are not large enough to accommodate E-3 and B-52 aircraft utilizing the new dry blast system. Currently E-3 aircraft are stripped in an existing paint bay reducing the capacity needed to support painting of the assigned aircraft. IMPACT IF NOT PROVIDED: A shortfall in depot aircraft strip capabilities will exist at Tinker AFB. Critical depot aircraft corrosion control will be deferred or contracted to an outside source at greater expense. The new strip technology must be incorporated into the corrosion control process to ensure compliance with the NESHAP and continue to meet customer needs.					

1. COMPONENT	FY 2001 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	
DEPOT CORROSION CONTROL STRIP FACILITY(WORKING CAPITAL FUND)	WWYK983156	
<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, revitalization, leasing, contracting and status quo alternatives. Based on the net present values and benefits of 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 on 20 May 98. Base Civil Engineer: Lt Col Mohsen Parhizkar, (405) 734-3451. Depot Corrosion Control Strip Facility: 5065SM = 54,500SF.		

1. COMPONENT	FY 2001 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	
DEPOT CORROSION CONTROL STRIP FACILITY (WORKING CAPITAL FUND)	WWYK983156	

12. SUPPLEMENTAL DATA:

a. Estimated Design Data:

- (1) Project to be accomplished by design-build procedures
- (2) Basis:
 - (a) Standard or Definitive Design - NO
 - (b) Where Design Was Most Recently Used - N/A
- (3) Design Allowance 619
- (3a) Construction Contract Award Date 00 DEC
- (4) Construction Start 01 MAY
- (5) Construction Completion 02 NOV
- (6) Energy Study/Life-Cycle analysis was/will be performed Y

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	DMAG	FY2001	11400

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
HILL AIR FORCE BASE, UTAH				AIR FORCE MATERIEL 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 99		677	3826	9548				3489	4702	740	23,982
b. End FY 2005		664	3849	9833				3489	4702	740	24,277
7. INVENTORY DATA (\$000)											
a. Total Acreage: (6,973)											
b. Inventory Total As Of: (30 SEP 99) 1,939,032											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 16,500											
e. Authorization Included In Following Program: (FY 2002) 10,000											
f. Planned In Next Three Program Years: 34,300											
g. Remaining Deficiency: 0											
h. Grand Total: 1,999,832											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY						COST		DESIGN		STATUS	
CODE	PROJECT TITLE	SCOPE				(\$000)	START	CMPL			
211-159	C-130 CORROSION CONTROL FACILITY(WORKING CAPITAL FUND)	6,900 SM				16,500	TURN KEY				
TOTAL:						16,500					
9a. Future Projects: Included in the Following Program (FY 2002)											
211-252	HYDRAULIC/PNEUDRAULIC REPAIR FACILITY	4,647 SM				10,000					
TOTAL:						10,000					
9b. Future Projects: Typical Planned Next Three Years:											
171-625	COMBAT LOGISTICS SUPPORT SQ TRAINING/STORAGE FACILITY	2,000 SM				3,600					
212-212	MISSILE DEPOT MAINTENANCE FACILITY	3,317 SM				9,000					
422-259	MISSILE STORAGE FACILITY	3,535 SM				12,200					
721-312	DORMITORY (144 RM)	144 RM				9,500					
10. Mission or Major Functions: Ogden Air Logistics Center which is responsible for logistics management, support, and depot-level maintenance of tactical missiles, F-16 aircraft, Minuteman and Peacekeeper ICBMs; AN/FPS-117 radar, composite (including B-2 composites), power systems, and software workload; a test squadron with F-16, MH-60, and HC/NC-130 aircraft; an air base wing; an Air Combat Command fighter wing with three F-16 squadrons; and an Air Force Reserve fighter wing with one F-16 squadron.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution: 0											
b. Water pollution: 1,100,000											
c. Occupational safety and health: 0											
d. Other Environmental: 6,000,000											
12. Real Property Maintenance Backlog This Installation 8,903											

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
HILL AIR FORCE BASE, UTAH			C-130 CORROSION CONTROL FACILITY (WORKING CAPITAL FUND)		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
7.28.96	211-159	KRSM993014	16,500		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
C-130 CORROSION CONTROL FACILITY	SM	6,900	2,000	13,800	
SUPPORTING FACILITIES				1,750	
UTILITIES	LS			(850)	
PAVEMENTS	LS			(600)	
SITE IMPROVEMENTS	LS			(300)	
SUBTOTAL				15,550	
TOTAL CONTRACT COST				15,550	
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				886	
TOTAL REQUEST				16,436	
TOTAL REQUEST (ROUNDED)				16,500	
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(6,120)	
10. Description of Proposed Construction: Multi-bay structure with concrete floor slab, foundation, and structural steel frame, including aircraft access pavement, fire suppression system and all necessary support. Includes support equipment preparation and paint mixing room. Air Conditioning: 400 KW.					
11. REQUIREMENT: 9,012 SM ADEQUATE: 2,112 SM SUBSTANDARD: 0 PROJECT: Construct a C-130 corrosion control facility. (Current Mission) REQUIREMENT: An adequately sized, environmentally safe facility is required to perform depot-level corrosion control on C-130 aircraft. This facility must support the periodic depot maintenance (PDM) as well as the annual recurring drop-in C-130 aircraft requirements. CURRENT SITUATION: C-130 aircraft corrosion control capacity at Hill AFB is inadequate to accommodate the current and projected work load. Hill AFB has been forced to contract out C-130 aircraft corrosion control work because the existing facility is used 3 shifts-per-day, 7 days a week. Contracting out work requires added preparation and transport time thus decreasing the time aircraft are available to support the C-130 mission. In FY97 with a workload of 48 PDM and 24 drop-in aircraft, eleven aircraft had to be contracted out for stripping and painting at an additional cost of \$350,000. Projected work load will require a total of 35 aircraft to be contracted out at a cost of \$1,225,000 per year. No residual capacity is available for scheduled maintenance of the facility or the associated corrosion control equipment. IMPACT IF NOT PROVIDED: There will continue to be a shortfall in C-130 corrosion control capacity at Hill AFB. Corrosion control work will continue to be contracted out, cost for depot-level work will increase,					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
HILL AIR FORCE BASE, UTAH		
4. PROJECT TITLE	5. PROJECT NUMBER	
C-130 CORROSION CONTROL FACILITY(WORKING CAPITAL FUND)	KRSM993014	
and additional time delays will occur in returning mission ready aircraft to flying status. ADDITIONAL: 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, outsourcing, 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 on 20 May 98. Base Civil Engineer: Col Per Korslund , (801) 777-3071. C-130 Corrosion Control Facility: 6900SM = 74,244SF.		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
AIR FORCE			
3. INSTALLATION AND LOCATION			
HILL AIR FORCE BASE, UTAH			
4. PROJECT TITLE		5. PROJECT NUMBER	
C-130 CORROSION CONTROL FACILITY(WORKING CAPITAL FUND)		KRSM993014	
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Project to be accomplished by design-build procedures			
(2) Basis:			
(a) Standard or Definitive Design -			NO
(b) Where Design Was Most Recently Used -			N/A
(3) Design Allowance			825
(3a) Construction Contract Award Date			00 DEC
(4) Construction Start			01 JUL
(5) Construction Completion			03 SEP
(6) Energy Study/Life-Cycle analysis was/will be performed			Y
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	DMAG	FY2001	6120

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

NARRATIVE SUMMARY

This Military Family Housing request reflects the Department of Defense goal to “revitalize, divest through privatization, or demolish inadequate housing by or before 2010.” The Air Force created the Air Force Family Housing Master Plan (AF FHMP) as the “roadmap” to meet this DOD goal. The Secretary of the Air Force and the Chief of Staff endorsed the following statement in the recently approved plan:

As we look forward to the 21st Century, our highest enduring priority is to recruit and retain the finest men and women for our Air Force. Achieving this priority is paramount to the Air Force's military capability, today and tomorrow. Investments in Quality of Life create the living environment our people need and deserve to successfully accomplish their mission. Providing safe and adequate housing, especially for our military families, enhances retention and readiness, for while we recruit individuals, we retain families. The family housing master plan lays the foundation for our investment in Air Force military family housing and directly supports our airmen who are the future of the world's most respected air and space force.

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

Consistent with AF FHMP priorities, this budget provides a balanced program for construction, and operations and maintenance of our housing inventory. We are concentrating on homes in worst condition by improving or replacing to contemporary “whole-house” standards, where economically justifiable. These housing standards are established by DOD guidance and comparable to industry housing standards. We continue to propose projects that provide new support facilities or necessary community and infrastructure upgrades at installations with the greatest need.

The operations, day-to-day maintenance and leasing accounts predominantly support “must pay” requirements. These costs include service contracts, lease contracts, utilities, and essential maintenance to keep “good units good” and those units requiring essential repairs from deteriorating into a state of inadequacy. The maintenance account also reflects AF FHMP priorities and attempts to arrest growth of our deferred housing maintenance and repair requirements within fiscal constraints. Unfortunately we have not eliminated our deferred maintenance and repair backlog. In 1999 we projected 61,000 inadequate units. Yet, after two

years of strong congressional support of military family housing programs, a recent, more accurate analysis incorporated into the Family Housing Master Plan indicated 65,000 housing units needed revitalization. Under existing agreements, it is expected host nations will revitalize about 3,000 units leaving 62,000 units for the Air Force to address. Although this change in requirements is attributable to the detailed methodology used by architectural and engineering firms to assess AF housing during the AF FHMP process, it may also indicate the results of asset deterioration from deferring maintenance and repair and an existing backlog of requirements.

Because the Air Force expects Congress to extend the authorities for privatization of military family housing beyond February 2001, the Air Force plans to continue a measured approach to private sector-funded housing revitalization where projected life-cycle costs are similar or better than traditional military construction and operations and maintenance life-cycle costs. The AF FHMP proposes 24 additional housing privatization initiatives between 2001 and 2010. Starting in 2001, we propose to privatize 6,921 housing units located at six bases: Moody, Offutt, Little Rock, Hill, Vandenberg and Charleston Air Force Bases with a total budgeted cost of \$45.7M. Should the privatization authorities not be extended past February 2001, the Air Force will use the funds requested for privatization to accomplish traditional military construction improvement projects for 390 housing units at these locations.

We believe this funding profile represents a well-balanced program that is based on a fact-based and senior leadership approved Family Housing Master Plan. We respectfully request full support for the Air Force family housing needs presented herein.

INDEX

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

INDEX

<u>SUBJECT</u>	<u>PAGE</u>
FAMILY HOUSING NARRATIVE	271
INDEX	273
FINANCIAL SUMMARY	277
LEGISLATIVE LANGUAGE	
Authorization	279
Appropriation	280
NEW CONSTRUCTION	
New/Current Mission Activities	281
Construction Purpose and Scope	282
Bolling AFB DC	283
Cavalier AFS ND	288
Minot AFB ND	293
POST ACQUISITION CONSTRUCTION	
Purpose and Scope	299
Alaska	302
Arizona	302
Arkansas	303
California	303
Colorado	304
District of Columbia	304
Georgia	305
Louisiana	305
Massachusetts	306

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

INDEX

<u>SUBJECT</u>	<u>PAGE</u>
Missouri	306
Nebraska	307
North Carolina	307
North Dakota	308
Oklahoma	308
South Carolina	309
Tennessee	309
Utah	310
Overseas	
Germany	312
Japan	313
Korea	313
United Kingdom	314
Post Acquisition Over \$50,000 per Unit	317
Little Rock AFB AR	318
Vandenberg AFB CA	320
Bolling AFB DC	322
Moody AFB GA	324
Offutt AFB NE	326
Tinker AFB OK	328
Charleston AFB SC	330
Hill AFB UT	322
<u>Overseas</u>	
Ramstein AB GE	336
Spangdahlem AB GE	338
Kadena AB JA	340
Osan AB KR	342
RAF Fairford UK	344
RAF Lakenheath UK	346
RAF Molesworth UK	348

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

INDEX

<u>SUBJECT</u>	<u>PAGE</u>
ADVANCE PLANNING AND DESIGN	351
OPERATION AND MAINTENANCE SUMMARY	
Narrative (Purpose and Scope)	353
Inventory and Funding Summary FH-2	356
Historic Housing Cost FH-5	360
OPERATIONS	361
Management OP-5	362
Services OP-5	364
Furnishings OP-5	366
Miscellaneous OP-5	368
UTILITIES OP-5	371
MAINTENANCE OP-5	375
MAINTENANCE AND REPAIR OVER \$20,000 PER UNIT	379
GENERAL OFFICER QUARTERS OVER \$25,000 PER UNIT	387
REIMBURSABLE PROGRAM OP-5	397
LEASING	
Purpose and Scope	399
OP-5	402
Exhibit FH-4, Leasing (Other than Section 801 & 802)	404
Exhibit FH-4A, High Cost Foreign Leased Units	405
Exhibit FH-4B, Section 801 Leases	406
DEBT PAYMENT	407
PB-18 EXHIBIT, Foreign Currency Exchange Data	409

February 2000

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SUMMARY

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

FY 2001 FINANCIAL SUMMARY

AUTHORIZATION FOR APPROPRIATION REQUESTED FOR FY 2001:

	<u>(\$000)</u>
<u>FUNDING PROGRAM FY 2001</u>	
Construction	36,677
Post-Acquisition Construction	174,046
Advance Planning and Design	12,760
<u>Appropriation Request: Construction</u>	223,483
Operations, Utilities and Maintenance	711,609
Operating Expenses	124,194
Utilities	158,959
Maintenance	428,456
Leasing - Worldwide	114,628
Debt Payment	
Premiums for Servicemen's	34
Mortgage Insurance Coverage	
<u>Appropriation Request: O&M, Leasing,</u> <u>and Debt Payment</u>	826,271
<u>Appropriation Request</u>	1,049,754
Reimbursement Program	10,840
FY 2001 FAMILY HOUSING PROGRAM	1,060,594

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LEGISLATIVE LANGUAGE

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

FY 2001 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>
District of Columbia	Bolling AFB	136 Units	\$ 17,137,000
North Dakota	Cavalier AFS	2 Units	\$ 443,000
	Minot AFB	134 Units	\$19,097,000
		Total	\$36,677,000

(b) PLANNING AND DESIGN. - Using amounts appropriated pursuant to the authorization of appropriations in section 2304(a)(5)(A), the Secretary of the Air Force may carry out architectural and engineering services and construction design activities with respect to the construction or improvement of military family housing units in an amount not to exceed \$12,760,000.

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 \$174,046,000.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

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. \$223,483,000.

(B) For support of military family housing (including functions described in section 2833 of Title 10, United States Code), \$826,271,000.

FY 2001 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 [FY00] FY01 Construction, [\$347,649,000] \$223,483,000, for Operation and Maintenance, and Debt Payment[\$814,160,000] \$826,271,000; in all [\$1,161,809,000] \$1,049,754,000: Provided: That the amount for construction shall remain available until September 30, [2005] 2006.

NEW CONSTRUCTION

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

FY 2001 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>REPLACEMENT HOUSING</u>			
Bolling AFB DC	Current	136	\$ 17.137
Cavalier AFS ND	Current	2	443
Minot AFB ND	Current	134	19,097
CURRENT MISSION TOTAL			36.677
IMPROVEMENTS			174,046
PLANNING AND DESIGN			<u>12.760</u>
GRAND TOTAL			\$223.483

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

FY 2001 NEW CONSTRUCTION

Program (In Thousands)

FY 2001 Program \$ 36,677

FY 2000 Program \$201,938

Purpose and Scope

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

Program Summary

Authorization is requested for: construction of 2 units and replacement of 270 units.

A summary of the funding program for FY 2001 is as follows:

<u>AUTHORIZATION</u> <u>Type/Locations</u>	<u>Mission</u>	<u>Number of</u> <u>Units</u>	<u>Requested</u> <u>Amount (\$000)</u>
<u>Replacement Housing</u>			
Bolling AFB DC	Current	136	\$ 17,137
Cavalier AFS ND	Current	2	443
Minot AFB ND	Current	134	19,097
CURRENT MISSION TOTAL			36,677
IMPROVEMENTS			174,046
PLANNING AND DESIGN			<u>12,760</u>
GRAND TOTAL			\$223,483

1. COMPONENT		2. DATE	
FY 2001 MILITARY CONSTRUCTION PROGRAM			
AIR FORCE		(computer generated)	
3. INSTALLATION AND LOCATION		4. COMMAND	
BOLLING AIR FORCE BASE, DISTRICT OF COLUMBIA		AIR FORCE DISTRICT OF WASHINGTON	
		5. AREA CONST COST INDEX	
		0.95	
6. PERSONNEL STRENGTH		PERMANENT STUDENTS SUPPORTED	
		OFF ENL CIV OFF ENL CIV OFF ENL CIV TOTAL	
a. As of 30 SEP 99		495 1403 915 301 803 40 3,957	
b. End FY 2005		492 1408 876 301 803 40 3,920	
7. INVENTORY DATA (\$000)			
a. Total Acreage: (607)			
b. Inventory Total As Of: (30 SEP 99) 247,908			
c. Authorization Not Yet In Inventory: 0			
d. Authorization Requested In This Program: 17,137			
e. Authorization Included In Following Program: (FY 2002) 17,044			
f. Planned In Next Three Program Years: 35,900			
g. Remaining Deficiency: 0			
h. Grand Total: 317,989			
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001			
CATEGORY		COST DESIGN STATUS	
CODE	PROJECT TITLE	SCOPE (\$000)	START CMPL
711-142	REPLACE FAMILY HOUSING (PH 6)	136 UN 17,137	JUL 99 MAY 00
		TOTAL:	17,137
9a. Future Projects: Included in the Following Program (FY 2002)			
711-142	REPLACE FAMILY HOUSING (PH 7)	130 UN 17,044	
		TOTAL:	17,044
9b. Future Projects: Typical Planned Next Three Years:			
711-142	REPLACE FAMILY HOUSING (PH 8)	124 UN 17,483	
711-142	REPLACE FAMILY HOUSING	137 UN 18,417	
9c. Real Property Maintenance Backlog This Installation		87,600	
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 Investigations; Air Force Office of Scientific Research; Air Force Legal Services Agency; Air Force Medical Operations Agency; USAF Band; USAF Honor Guard; and a support wing. .			

1. COMPONENT		2. DATE	
FY 2001 MILITARY CONSTRUCTION PROJECT DATA			
AIR FORCE		(computer generated)	
3. INSTALLATION AND LOCATION		4. PROJECT TITLE	
BOLLING AIR FORCE BASE		REPLACE FAMILY HOUSING (PH 6)	
WASHINGTON, DISTRICT OF COLUMBIA			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)
8.87.41	711-142	BXUR014002	17,137
9. COST ESTIMATES			

ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
MILITARY FAMILY HOUSING	UN	136	87,681	11,925
SUPPORTING FACILITIES				4,319
SITE PREPARATION	LS			(882)
ROADS AND PAVING	LS			(752)
UTILITIES	LS			(558)
LANDSCAPING	LS			(273)
RECREATION	LS			(164)
DEMOLITION/ASBESTOS REMED/DISPOSAL	LS			(1,691)
SUBTOTAL				16,244
TOTAL CONTRACT COST				16,244
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				893
TOTAL REQUEST				17,137

AREA COST FACTOR		.95			
10. Description of Proposed Construction: Demolish 136 family housing units and construct new. Provide necessary site preparation and upgrades to existing infrastructure. Provide new street layout in accordance with Housing Community Plan (HCP) site development. Provide interior fixtures, finishes and utility systems. new construction must provide accessibility for physically challenged persons. Provide recreation and landscaping.					
UNIT TYPE	NET AREA	PROJECT FACTOR	\$/NSM	NO. UNITS	TOTAL COST
JNCO 3BR	111	.93	818	96	8,106,445
JNCO 4BR	125	.93	818	39	3,708,608
JNCO 5BR	144	.93	818	1	109,547
				136	11,924,600

11. REQUIREMENT: 6,839 UN ADEQUATE: 5,261 UN SUBSTANDARD: 1,172 UN
PROJECT: Military Family Housing (Current Mission)
REQUIREMENT: This project is required to bring Bolling AFB housing units up to Air Force and minimum and contemporary living standards, eliminate health and safety hazards and improve energy efficiency.
CURRENT SITUATION: Housing units included in this project were constructed in 1975 under a very strict and low budget. There have not been any interior upgrades since the original construction. Previous economic analyses performed on units constructed in this era has proven to be more cost effective to replace than to renovate. Major problems exist as floor drains were placed in a closet adjacent to the living room under the original construction. The drains require constant maintenance to prevent sewer gas from forming in the units. The original floor tiles are in a

1. COMPONENT

2. DATE

FY 2001 MILITARY CONSTRUCTION PROJECT DATA

AIR FORCE

(computer generated)

3. INSTALLATION AND LOCATION

BOLLING AIR FORCE BASE WASHINGTON, DISTRICT OF COLUMBIA

4. PROJECT TITLE

5. PROJECT NUMBER

REPLACE FAMILY HOUSING (PH 6)

BXUR014002

state of disrepair. Occupants are also living with insufficient lighting and power in addition to defective lighting equipment. The stairwell openings were constructed below current national standard. Occupants have difficulty to move furnitures into the second floor. Air conditioning units are at the end of their lifespan.

IMPACT IF NOT PROVIDED: Failure to improve the quality of life at this installation, impacts morale and therefore the mission. Government needs to provide housing comparable to civilian communities. This is essential to attract new recruits and retain existing forces.

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. Base Civil Engineer: Col E. D. Mayfield, (202) 767-5565

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
BOLLING AIR FORCE BASE WASHINGTON, DISTRICT OF COLUMBIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE FAMILY HOUSING (PH 6)	BXUR014002	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		Design, Bid, Build
(1) Status:		
(a) Date Design Started		99 JUL 30
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 2000		35%
(d) Date 35% Designed.		99 DEC 20
(e) Date Design Complete		00 MAY 25
(f) Energy Study/Life-Cycle analysis was/will be performed		
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Production of Plans and Specifications		520
(b) All Other Design Costs		
(c) Total		520
(d) Contract		520
(e) In-house		
(4) Contract Award		01 JAN
(5) Construction Start		01 APR
(6) Construction Completion		02 SEP
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 2001		REPORT CNTRL SYMBOL DD-A&L(AR)1716			
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION							
5. DATA AS OF		a. NAME Bolling AFB		b. LOCATION DC					
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (a)	E9-E7 (b)	E6-E1 (c)	TOTAL (d)	OFFICER (e)	E9-E7 (f)	E6-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		5 376	1 189	3 322	9,887	5,253	1 183	3,299	9,735
7. PERMANENT PARTY PERSONNEL		5,376	1,189	3,322	9,887	5,253	1,183	3,299	9,735
8. GROSS FAMILY HOUSING REQUIREMENTS		4,104	890	2,168	7,162	4,009	886	2,155	7,050
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		197	43	334	574				
a INVOLUNTARILY SEPARATED		0	0	0	0				
b IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	0	136	136				
c UNACCEPTABLE HOUSED IN COMMUNITY		197	43	198	438				
10. VOLUNTARY SEPARATIONS		116	2	97	215	112	2	97	211
11. EFFECTIVE HOUSING REQUIREMENTS		3 988	888	2,071	6,947	3,897	884	2,058	6,839
12. HOUSING ASSETS (a + b)		3,791	845	1,737	6,373	3,773	1,044	1,480	6,297
a UNDER MILITARY CONTROL		317	352	994	1,663	392	396	885	1,673
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		317	352	994	1,663	392	396	885	1,673
(2) UNDER CONTRACT/APPROVED									
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b PRIVATE HOUSING		3,474	493	743	4,710	3,381	648	595	4,624
(1) ACCEPTABLY HOUSED		3,474	493	743	4,710				
(2) ACCEPTABLE VACANT RENTAL		0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT		197	43	334	574	124	(160)	578	542
14. PROPOSED PROJECT						0	0	136	136
15. REMARKS									
On-base requirements reflect the methodology as documented in the Air Force Family Housing Master Plan approved at CORONA TOP by CSAF and SECAF.									

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION		4. COMMAND		5. AREA CONST	
CAVALIER AIR FORCE STATION, NORTH DAKOTA		AIR FORCE SPACE COMMAND		COST INDEX 1.08	
6. PERSONNEL		PERMANENT		STUDENTS	
STRENGTH		OFF ENL CIV		OFF ENL CIV	
a. As of 30 SEP 99		11 15 4		30	
b. End FY 2005		11 15 4		30	
7. INVENTORY DATA (\$000)					
a. Total Acreage: (295)					
b. Inventory Total As Of: (30 SEP 99) 141,647					
c. Authorization Not Yet In Inventory: 0					
d. Authorization Requested In This Program: 443					
e. Authorization Included In Following Program: (FY 2002) 0					
f. Planned In Next Three Program Years: 0					
g. Remaining Deficiency: 0					
h. Grand Total: 142,090					
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001					
CATEGORY		PROJECT TITLE		SCOPE	
CODE				COST (\$000)	
711-142		CONSTRUCT FAMILY HOUSING		2 UN 443	
				TOTAL: 443	
9a. Future Projects: Included in the Following Program (FY 2002) NONE					
9b. Future Projects: Typical Planned Next Three Years:					
9c. Real Property Maintenance Backlog This Installation 168					
10. Mission or Major Functions: Provides early warning defense with a space warning squadron.					

ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
MILITARY FAMILY HOUSING	UN	2	167,428	335
SUPPORTING FACILITIES				85
SITE PREPARATION	LS			(5)
ROADS AND PAVING	LS			(19)
UTILITIES	LS			(57)
LANDSCAPING	LS			(4)
SUBTOTAL				420
TOTAL CONTRACT COST				420
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				23
TOTAL REQUEST				443
AREA COST FACTOR		1.08		

10. Description of Proposed Construction: Provides new construction of two single family housing units with all necessary amenities and supporting facilities. Project includes site preparation, attached single car garages, energy conserving heating and cooling features, parking, exterior patios and privacy fencing, support infrastructure of roads and utilities, and landscaping.

UNIT TYPE	NET AREA	PROJECT FACTOR	\$/NSM	NO. UNITS	TOTAL COST
FGO 4BR	172	1.19	818	2	334,856
				2	334,856

11. REQUIREMENT: 20 UN ADEQUATE: 5 UN SUBSTANDARD: 12 UN
PROJECT: Construct Military Family Housing. (Current Mission)
REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at Cavalier AS. All units will meet modern standards. The housing will provide a safe, comfortable and appealing living environment comparable to the off-base civilian community. The design will provide a modern kitchen, living room, family room, bedroom and bath configuration, with ample interior and exterior storage. Four bedroom units will be constructed, as identified in the most recent housing market analysis. Units will be provided with a single car garage and exterior parking for a second vehicle. Space will also be provided for adequate support infrastructure of roads and utilities. The base currently has 12 housing units versus a validated requirement for 20. This is the only phase planned for new construction. The 12 substandard units will be improved under a FY01

1. COMPONENT

2. DATE

FY 2001 MILITARY CONSTRUCTION PROJECT DATA

AIR FORCE

(computer generated)

3. INSTALLATION AND LOCATION

CAVALIER AIR STATION, NORTH DAKOTA

4. PROJECT TITLE

5. PROJECT NUMBER

CONSTRUCT FAMILY HOUSING

EGYN994002A

improvement project.

CURRENT SITUATION: The most recent housing market analysis for the base shows a deficit of 3 housing units over and above adequate affordable housing available in the rural local community. The shortage of suitable housing forces military families to occupy inadequate housing units thus affecting family morale, or forcing members to occupy housing at rents outside the acceptable, causing unacceptable financial hardships as other portions of limited budgets are used to offset high housing costs.

IMPACT IF NOT PROVIDED: There are no alternatives to living in inadequate or expensive housing if families desire to avoid lengthy and costly (both financially and psychologically) "voluntary" separations. The impact will be major morale and/or financial problems for the affected families. The local rural community can not support the base population. Members would be required to rent old, energy inefficient farm houses that result in the member paying unreasonable amounts of out-of-pocket expenses to heat the units during the harsh winter climate in the rural, northern tier environment.

ADDITIONAL: This project meets the criteria/scope specified in Part II of the Military Handbook 1190, "Facility Planning and Design Guide." There will be no impact on the local school district to support base dependents. Base Civil Engineer: Mr. Mark Blake, (701) 993-3331.

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
CAVALIER AIR STAION, NORTH DAKOTA		
4. PROJECT TITLE	5. PROJECT NUMBER	
CONSTRUCT FAMILY HOUSING	EGYN994002A	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		Design, Bid, Build
(1) Status:		
(a) Date Design Started		99 AUG 31
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 2000		35%
(d) Date 35% Designed.		99 DEC 31
(e) Date Design Complete		00 JUN 30
(f) Energy Study/Life-Cycle analysis was/will be performed		
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Production of Plans and Specifications		15
(b) All Other Design Costs		25
(c) Total		40
(d) Contract		40
(e) In-house		
(4) Contract Award		01 FEB
(5) Construction Start		01 MAY
(6) Construction Completion		02 JUL
b. Equipment associated with this project will be provided from other appropriations: N/A		

MILITARY FAMILY HOUSING JUSTIFICATION		1. DATE		2. FISCAL YEAR 2001		REPORT CNTRL SYMBOL DD-A&L(AR)1716			
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION							
5. DATA AS OF Jun-99		a. NAME Cavalier AS			b. LOCATION ND				
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (a)	E9-E7 (b)	E6-E1 (c)	TOTAL (d)	OFFICER (e)	E9-E7 (f)	E6-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		13	0	13	26	11	0	15	26
7. PERMANENT PARTY PERSONNEL		13	0	13	26	11	0	15	26
8. GROSS FAMILY HOUSING REQUIREMENTS		9	0	10	19	9	0	11	20
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		3	0	0	3				
a INVOLUNTARILY SEPARATED		0	0	0	0				
b IN MILITARY HOUSING TO BE DISPOSED/REPLACED		0	0	0	0				
c UNACCEPTABLE HOUSED IN COMMUNITY		3	0	0	3				
10. VOLUNTARY SEPARATIONS		0	0	0	0	0	0	0	0
11. EFFECTIVE HOUSING REQUIREMENTS		9	0	10	19	9	0	11	20
12. HOUSING ASSETS (a + b)		6	0	11	17	6	0	11	17
a UNDER MILITARY CONTROL		5	0	7	12	5	0	7	12
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		5	0	7	12	5	0	7	12
(2) UNDER CONTRACT/APPROVED						0	0	0	0
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b PRIVATE HOUSING		1	0	4	5	1	0	4	5
(1) ACCEPTABLY HOUSED		1	0	3	4				
(2) ACCEPTABLE VACANT RENTAL		0	0	1	1				
13. EFFECTIVE HOUSING DEFICIT		3	0	(1)	2	3	0	0	3
14. PROPOSED PROJECT						2	0	0	2
15. REMARKS									

Page No 293

1. COMPONENT		2. DATE	
FY 2001 MILITARY CONSTRUCTION PROJECT DATA			
AIR FORCE		(computer generated)	
3. INSTALLATION AND LOCATION		4. PROJECT TITLE	
MINOT AIR FORCE BASE, NORTH DAKOTA		REPLACE MILITARY FAMILY HOUSING (PH 7)	
5. PROGRAM ELEMENT		6. CATEGORY CODE	
8.87.41		711-142	
		QJVF019001	
		19,097	

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
MILITARY FAMILY HOUSING	UN	134	118,631	15,897
SUPPORTING FACILITIES				2,170
ROADS AND PAVING	LS			(582)
UTILITIES	LS			(513)
LANDSCAPING	LS			(86)
RECREATION	LS			(102)
DEMOLITION & ENVIRONMENTAL (ASB/LBP)	LS			(264)
SPECIAL CONSTRUCTION FEATURES (ARCTIC)	LS			(624)
SUBTOTAL				18,067
TOTAL CONTRACT COST				18,067
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				1,030
TOTAL REQUEST				19,097
AREA COST FACTOR		1.08		

10. Description of Proposed Construction: Construct 134 housing units with all necessary supporting facilities including garages, patios, fencing, utilities, air conditioning, appliances, exterior storage, roads, parking, sidewalks, playground, landscaping, as well as any other necessary support facilities. This project includes demolition of 142 units with 134 new being built, which results in 8 less units upon completion.

UNIT TYPE	NET AREA	PROJECT FACTOR	\$/NSM	NO. UNITS	TOTAL COST
JRENL 2BR	116	1.04	818	12	1,184,202
JRENL 3BR	139	1.04	818	98	11,588,508
JRENL 4BR	153	1.04	818	24	3,123,844
				134	15,896,554

11. REQUIREMENT: 2,747 UN ADEQUATE: 812 UN SUBSTANDARD: 1,960 UN PROJECT: Replace Military Family Housing (Ph 7). (Current Mission) REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependants stationed at Minot AFB. All units will be "whole house" improved to provide a safe, comfortable and appealing living environment comparable to off-base civilian community. This project is programmed in accordance with the Housing Community Plan. This is the seventh of multiple phases to improve 2,445 housing units for base personnel. 244 units have already been upgraded. The replacement housing will provide a modern kitchen, living room and bath configuration with ample interior and exterior storage plus an additional 28 NSM artic recreation room for harsh climates. Parking will be provided for a second vehicle. The neighborhood support infrastructure

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
MINOT AIR FORCE BASE, NORTH DAKOTA		
4. PROJECT TITLE	5. PROJECT NUMBER	
REPLACE MILITARY FAMILY HOUSING (PH 7)	QJVF019001	

will be upgraded to meet modern housing needs to include landscaping, playgrounds and recreation areas.

CURRENT SITUATION: This project replaces appropriated housing units built in 1964, which are showing the effects of age and continuous heavy use. They have had no major upgrades since construction, do not meet the needs of today's families, nor do they provide a modern home environment. Kitchens are too narrow and dark, and do not provide adequate cabinet and counter space. The bathrooms are very small and in poor condition. Bathroom fixtures are outdated and inefficient. Lighting in hallways, bathrooms, and bedrooms is inadequate. The exteriors of these units lack landscaping and have no patio. Off street parking is severely limited, and traffic flow in and around the housing area is inefficient.

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

ADDITIONAL: This project meets the criteria/scope specified in Part II of the 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 local school district to support base dependents. Base Civil Engineer: Lt Col Wright, (701) 723-2434.

1. COMPONENT	FY 2001 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	
REPLACE MILITARY FAMILY HOUSING (PH 7)	QJVF019001	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		Design. Bid. Build
(1) Status:		
(a) Date Design Started		99 OCT 01
(b) Parametric Cost Estimates used to develop costs		N
(c) Percent Complete as of Jan 2000		35%
(d) Date 35% Designed.		99 DEC 15
(e) Date Design Complete		00 APR 01
(f) Energy Study/Life-Cycle analysis was/will be performed		
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Production of Plans and Specifications		800
(b) All Other Design Costs		400
(c) Total		1200
(d) Contract		1200
(e) In-house		
(4) Contract Award		01 JAN
(5) Construction Start		01 MAR
(6) Construction Completion		02 AUG
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 2001		REPORT CNTRL SYMBOL DD-A&L(AR)1716			
3. DOD COMPONENT AIR FORCE		4. REPORTING INSTALLATION							
5. DATA AS OF		a. NAME Minot AFB			b. LOCATION ND				
ANALYSIS OF REQUIREMENTS AND ASSETS		CURRENT				PROJECTED			
		OFFICER (a)	E9-E7 (b)	E6-E1 (c)	TOTAL (d)	OFFICER (e)	E9-E7 (f)	E6-E1 (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH		639	326	3,743	4,708	636	318	3,602	4,556
7. PERMANENT PARTY PERSONNEL		639	326	3,743	4,708	636	318	3,602	4,556
8. GROSS FAMILY HOUSING REQUIREMENTS		436	268	2,181	2,885	432	262	2,091	2,785
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)		8	10	174	192				
a INVOLUNTARILY SEPARATED					0				
b IN MILITARY HOUSING TO BE DISPOSED/REPLACED		8		134	142				
c UNACCEPTABLE HOUSED IN COMMUNITY			10	40	50				
10. VOLUNTARY SEPARATIONS		2	14	23	39	2	14	22	38
11. EFFECTIVE HOUSING REQUIREMENTS		434	254	2,158	2,846	430	248	2,069	2,747
12. HOUSING ASSETS (a + b)		464	244	1,984	2,692	484	244	1,902	2,630
a UNDER MILITARY CONTROL		464	244	1,584	2,292	464	244	1,584	2,292
(1) HOUSED IN EXISTING DOD OWNED/CONTROLLED		464	244	1,584	2,292	464	244	1,584	2,292
(2) UNDER CONTRACT/APPROVED									
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b PRIVATE HOUSING		0	0	400	400	20	0	318	338
(1) ACCEPTABLY HOUSED		0	0	400	400				
(2) ACCEPTABLE VACANT RENTAL		0	0	0	0				
13. EFFECTIVE HOUSING DEFICIT		(30)	10	174	154	(54)	4	167	117
14. PROPOSED PROJECT						0	0	134	134
15. REMARKS		On-base requirements reflect the methodology as documented in the Air Force Family Housing Master Plan approved at CORONA TOP by CSAF and SECAF.							

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DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

FY 2001 POST ACQUISITION CONSTRUCTION

Program (In Thousands)

FY 2001 Program \$ 174,046

FY 2000 Program \$ 128,630

Purpose and Scope

The Air Force operates approximately 106,000 family housing units for FY 2000. The average age of housing units in the Air Force inventory is over 36 years. Based on recent analysis incorporated into the Air Force Family Housing Master Plan (AF FHMP), approximately 65,000 of these units now require improvement or renovation to meet contemporary living standards during the next decade. Under existing agreements, it is expected the host nations will revitalize 3,000 units leaving 62,000 units for the Air Force to revitalize. 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.

Based on the expectation Congress will extend the authorities for privatizing military family housing beyond February 2001, six projects are identified as privatization candidates in this submission (Little Rock AFB, AR; Vandenberg AFB, CA; Moody AFB, GA; Offutt AFB, NE; Charleston AFB, SC; and Hill AFB, UT). In the event Congress does not extend the

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

privatization legislation or privatization proves not to be financial feasible or not in the best interest of the Air Force, the Air Force will instead execute an improvement project at such installations as follows:

Little Rock AFB, AR (\$2.00M/35 units)
Vandenberg AFB, CA (\$7.013M/45 units)
Moody AFB, GA (\$8.401M/97 units)
Offutt AFB, NE (\$14.982M/95 units)
Charleston AFB, SC (\$2.00M/18 units)
Hill AFB, UT (\$11.271M/100 units).

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.

Program Summary

Authorization is requested for:

- (1) Various improvements to existing public quarters, as described on DD Form 1391.
- (2) Appropriation of \$174,046,000 to fund projects in FY 2001.

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 AIR FORCE		FY 2001 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES				4. PROJECT TITLE FAMILY HOUSING POST ACQUISITION CONSTRUCTION		
5. PROGRAM ELEMENT 8.87.42		6. CATEGORY CODE 711-000		7. PROJECT NUMBER		8. PROJECT COST (\$000) 174.046
9. COST ESTIMATE						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
POST ACQUISITION CONSTRUCTION					174.046	
PROJECTS TO IMPROVE HOUSING UNITS		UN	1.278	96.095	(122.809)	
PROJECTS TO PRIVATIZE HOUSING UNITS		UN	6.921	6.598	(45.667)	
PROJECTS TO IMPROVE INFRASTRUCTURE		LS			(5.570)	
SUBTOTAL					174.046	
TOTAL CONTRACT COST					174.046	
TOTAL REQUEST					174.046	
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 efficient heating and cooling systems. Also includes "seed money" for the identified privatization candidate projects. 11. <u>PROJECT</u>: This request is for an authorization and appropriation of \$174.046 million to accomplish improvement and privatization in family housing. <u>REQUIREMENT</u>: 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 include but are not limited to: kitchen upgrades, bathroom additions/upgrades, repair/replacement of roofs, upgrade of mechanical and electrical systems, replacement of windows, doors, floors, and exterior improvements (patios, fences, storages, etc.) <u>CURRENT SITUATION</u>: The majority of these family housing units were constructed since the late 1940's or 1950's using various design and construction criteria, with different types of material, equipment, and appliances. Many utility and structural systems were constructed during years of plentiful, inexpensive energy resources. Insulation, storm windows and doors, etc., not previously cost effective, are now sound investment. This program will extend the useful life of many of our older, less modern units by enhancing livability, functionality, reducing operation costs and improving safety standards. <u>ADDITIONAL</u>: These projects meet the criteria scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide." Energy evaluation life-cycle cost analysis was performed in support of these projects.						

1. COMPONENT:	2. DATE
FY 2001 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE (computer generated)	
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>UNITED STATES</u>	
<u>ALASKA</u>	
ELMENDORF AFB	
BURY OVERHEAD ELECTRICAL LINES	1,127
FXSB014408R1	
- Bury overhead power, communications, and television lines in military family housing.	
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None	
- WORK PROGRAMMED FOR NEXT THREE YEARS: None	
<u>ARIZONA</u>	
LUKE AFB	
IMPROVE PRIMARY UNDERGROUND DIST LINE	1,109
NUEX994000	
- Improve electrical distribution system by installing ducts, conduit, pull boxes, transformers, high voltage switches, streetlights, cable TV and telephone pull boxes and conduit, cathodic protection rectifiers and anode beds, high voltage cable, and secondary conductors to service entrance sections. Work includes trenching, backfilling, demolition and site restoration.	
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None	
- WORK PROGRAMMED FOR NEXT THREE YEARS: None	

1. COMPONENT	2. DATE
FY 2001 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
VARIOUS AIR FORCE BASES	
4. PROJECT TITLE	5. PROJECT NUMBER
POST AQUISITION CONSTRUCTION	N/A

10. Description of work to be accomplished

<u>Location and Project</u>	<u>Current Working Estimate (\$000)</u>
<u>ARKANSAS</u>	
LITTLE ROCK AFB PRIVATIZE FAMILY HOUSING NKAK014006	2,000
- Conveys 1,535 existing and duplex housing units for a privatization end state of 1,535 units on approximately 433 acres of leased land. Without privatization, the MILCON cost for this work is \$56.66M. With no score cost, the leverage is maximized. Privatized units will meet current space and floor plan standards, and provide amenities, support facilities and infrastructure. - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None. - WORK PROGRAMMED FOR NEXT THREE YEARS: None.	
<u>CALIFORNIA</u>	
VANDENBERG AFB PRIVATIZE CAPEHART FAMILY HOUSING, EAST HOUSING XUMU014012	7,013
- Conveys 672 existing units, demolishes 166 units, replaces 334 units, and adds 172 units as income to the project for an end status of 506 units on approximately 250 acres of leased land. Without privatization, the MILCON cost for this work is \$48.9M for an anticipated leverage of 9.7:1. Units will provide modern conveniences, include amenities, support facilities and infrastructure. - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None - WORK PROGRAMMED FOR NEXT THREE YEARS: None	

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
VARIOUS AIR FORCE BASES		
4. PROJECT TITLE	5. PROJECT NUMBER	
POST AQUISITION CONSTRUCTION	N/A	

10. Description of work to be accomplished

<u>Location and Project</u>	<u>Current Working Estimate (\$000)</u>

COLORADO

PETERSON AFB

MFH NEIGHBORHOOD IMPROVEMENT

721

TDKA014002

- Improve neighborhood. Enlarge fenced-in yard areas and install storage sheds for selected units in MFH. This will include removing old fences, install new wooden fences and gates, and staining the new fences, as well as installing new wood framed sheds with exterior wood siding and shingled gabled roofs and painting each storage shed to match its corresponding MFH unit.

- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:

None.

- WORK PROGRAMMED FOR NEXT THREE YEARS: None.

DISTRICT OF COLUMBIA

BOLLING AFB

IMPROVE FAMILY HOUSING

216

BXUR014005

- Improve 3 GOQs units. Alter kitchens, baths, bedrooms and sunrooms. Upgrade fixtures, finishes, wood floors, doors, moulding and trim. Replace plaster ceilings with gypsum board and repair plaster walls. Upgrade utility systems. Install shelves/util. sink in laundry room. Repair garages, patios, exterior appurtenances & landscape. Also improve exterior appurtenances for 19 GOQ

(Separate DD Form 1391 attached)

- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None

- WORK PROGRAMMED FOR NEXT THREE YEARS: None

1. COMPONENT	2. DATE
FY 2001 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
VARIOUS AIR FORCE BASES	
4. PROJECT TITLE	5. PROJECT NUMBER
POST AQUISITION CONSTRUCTION	N/A

10. Description of work to be accomplished

Location and Project

Current Working
Estimate (\$000)

GEORGIA

MOODY AFB

HOUSING PRIVATIZATION FAMILY HOUSING

8,401

QSEU990245

- Conveys 303 existing and provides deficit reduction of 393 single and multiplex family housing units for a privatization end state of 696 units on approx 100 acres of leased land. Without privatization, the MILCON cost for this work is \$45.9M for an anticipated leverage of 7.1:1. Privatized units will provide modern interior and exterior conveniences and required space.
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None
- WORK PROGRAMMED FOR NEXT THREE YEARS: None

LOUISIANA

BARKSDALE AFB

IMPROVE WATER DISTRIBUTION MAINS

513

AWUB000044P2

- Improve existing underground main water supply lines and service lateral system in the Historical Family Housing area. Allow minimal disruption of existing water service to housing units. Uniform Plumbing Code shall govern all design elements.
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None
- WORK PROGRAMMED FOR NEXT THREE YEARS: None

1. COMPONENT	2. DATE
FY 2001 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)
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

Location and Project

Current Working
Estimate (\$000)

MASSACHUSETTS

HANSCOM AFB

IMPROVE SANITARY SEWER MAINS

711

MXRD990010B3

- Replace the existing sanitary sewer and water system in the (100)unit Battle Road Glen Housing Area. The project will include all required excavation, piping, appurtenances, connections, paving and landscaping.
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None
- WORK PROGRAMMED FOR NEXT THREE YEARS: None

MISSOURI

WHITEMAN AFB

IMPROVE STORM DRAINAGE SYSTEM

470

YWHG949103R2

- Labor, equipment and materials to regrade and reshape the terrain in Military Family Housing to provide positive storm drainage away from all units and from the housing area. Includes as required excavation, backfill, subsurface drains with inlets, headwalls, retaining walls, end sections, concrete and/or grass covered swale collector drainage system and landscaping.
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None
- WORK PROGRAMMED FOR NEXT THREE YEARS: None

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
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>NEBRASKA</u>		
OFFUTT AFB		
PRIVATIZE MILITARY FAMILY HOUSING	14,982	
SGBP013001		
- Conveys 2580 existing single and multiplex family housing units for privatization, end state, on approximately 630 acres of leased land and retains 32 Historic housing units that are not severable. Without privatization, the MILCON cost for this work is \$143,849,080 for an anticipated leverage of 11:1. - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None - WORK PROGRAMMED FOR NEXT THREE YEARS: None		
<u>NORTH CAROLINA</u>		
POPE AFB		
IMPROVE ROAD	919	
TMKH013005		
- Improve asphalt road system. This project will improve an existing sand roadway and includes sidewalks, curbs, gutters, signage, pavement marking, drainage, fire hydrants, lighting, wetland mitigation and landscaping. - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None. - WORK PROGRAMMED FOR NEXT THREE YEARS: None.		

1. COMPONENT	2. DATE
FY 2001 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE (computer generated)	
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>NORTH DAKOTA</u>	
CAVALIER AFS	
IMPROVE RELOCATABLE FAMILY HOUSING	426
EGYN994002B	
- Provides general interior and exterior modernization and renovation of 12 housing units. Includes utility upgrades, geothermal heating and cooling, and additions to meet current standards. Upgrade kitchens, bathrooms and floor coverings, provides increased energy efficiency, privacy fencing, patios, and recreation areas. Includes demolition and hazardous material removal.	
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None	
- WORK PROGRAMMED FOR NEXT THREE YEARS: None	
<u>OKLAHOMA</u>	
TINKER AFB	
IMPROVE CAPEHART FAMILY HOUSING,	7,741
WWYK014003	
- Project funds will be used as leverage for a planned privatization project. If privatization unfeasible the funds will be used to improves 144 housing units. Project Includes utility upgrade and additions to meet current standards. It also Upgrades kitchens, bathrooms and floor coverings, improves floor plans, increases energy efficiency, and provides privacy fencing and patios.	
(Separate DD Form 1391 attached)	
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None.	
- WORK PROGRAMMED FOR NEXT THREE YEARS: None	

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
VARIOUS AIR FORCE BASES		
4. PROJECT TITLE	5. PROJECT NUMBER	
POST AQUISITION CONSTRUCTION	N/A	
10. Description of work to be accomplished		
<u>Location and Project</u>	<u>Current Working Estimate (\$000)</u>	
<u>SOUTH CAROLINA</u>		
CHARLESTON AFB		
PRIVATIZE MILITARY FAMILY HOUSING (HUNLEY PARK)	2,000	
DKFX014238H1		
- Conveys 488 existing single and multiplex family housing units for a privatization end state of 488 units on approximately 271 acres of leased land. The MILCON cost for this work is \$18.0M. With no score cost, the leverage is maximized. Privatized units will meet current space and floor plan standards, and include amenities, support facilities, and infrastructure. - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None - WORK PROGRAMMED FOR NEXT THREE YEARS: None		
<u>TENNESSEE</u>		
ARNOLD AFB		
IMPROVE ARNOLD VILLAGE FAMILY HOUSING	1,007	
ANZY995004		
- Provide neighborhood improvement for 40 housing units. Construct screened porches on existing concrete slabs for 40 units. Construct covered parking in 6 centralized locations to serve 28 townhouse units. Relocate electrical utilities and communications lines underground, repair/upgrade pavements, correct drainage problems, and construct playgrounds/recreational areas. - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: Replace 40 AC units; Replace roofs 12 units; Renovate exterior 28 units; Repair exteriors 12 units. - WORK PROGRAMMED FOR NEXT THREE YEARS: None.		

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1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
VARIOUS AIR FORCE BASES		
4. PROJECT TITLE	5. PROJECT NUMBER	
POST AQUISITION CONSTRUCTION	N/A	

10. Description of work to be accomplished

Location and Project

Current Working
Estimate (\$000)

UTAH

HILL AFB

PRIVATIZE FAMILY HOUSING, AREAS D,E,F&G

11,271

KRSM014005

- Conveys 1116 existing family housing units for a privatization end status of 1116 units on approximately 301 acres of leased land. The MILCON cost for this work is \$62.0M for an anticipated leverage of 6.6:1. Privatized units will provide modern interior/exterior conveniences, include amenities, support facilities and infrastructure.
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None
- WORK PROGRAMMED FOR NEXT THREE YEARS: None

IMPROVE FAMILY HOUSING AREAS A&B

1,011

KRSM014006

- Provides general interior and exterior modernization of 8 housing units in Areas A and B. Includes upgrades to kitchens, bathrooms, finishes (interior and exterior), and floor coverings. Improve floor plans, energy efficiency, detached garages, landscaping, and provides limited additions and all other related work. Includes asbestos abatement and lead paint removal.
(Separate DD Form 1391 attached)
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: FY98
 - Replace Windows, MFH A/B, 11 units, \$153,103;
- FY99 - Install Gas Fire Places, MFH A/B, 9 units \$36,69; FY99/00 - Repair Fence at 1106, MFH A, 1 unit, \$15,000
- WORK PROGRAMMED FOR NEXT THREE YEARS: None

1. COMPONENT	2. DATE
FY 2001 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE (computer generated)	
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

Location and Project

Current Working
Estimate (\$000)

OVERSEAS

GERMANY

RAMSTEIN AB

IMPROVE DEUTCHMARK FAMILY HOUSING

45,813

TYFR014047

- Provides general interior and exterior modernization and renovation of housing units. Includes utility upgrade and additions to meet current standards. Upgrade kitchens, bathrooms, floor coverings, stairwells and entryways, improves floor plans, provides increased energy efficiency, corrects fire deficiencies, and adds or repl balconies. Incl demolition and asbestos/Lead-Base (Separate DD Form 1391 attached)
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None
- WORK PROGRAMMED FOR NEXT THREE YEARS: None

SPANGDAHLEM AB

IMPROVE DEUTCHMARK FAMILY HOUSING

15,342

BSHF014000

- Provides general interior and exterior modernization and renovation of housing units. Includes utility replacement and upgrades to meet current standards. Upgrade kitchens, bathrooms, floors, stairwells, and entryways, improves floor plans and energy efficiency, corrects fire deficiencies, repairs balconies, roof, and landscaping. Includes demolition and asbestos/lead paint removal. (Separate DD Form 1391 attached)
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None.
- WORK PROGRAMMED FOR NEXT THREE YEARS: None.

1. COMPONENT	2. DATE
FY 2001 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
VARIOUS AIR FORCE BASES	
4. PROJECT TITLE	5. PROJECT NUMBER
POST AQUISITION CONSTRUCTION	N/A

10. Description of work to be accomplished

Location and Project

Current Working
Estimate (\$000)

JAPAN

KADENA AB

IMPROVE FAMILY HOUSING PH 1

LXEZ014113

9,074

- Provides general interior exterior modernization and renovation of 52 housing units. Includes utility upgrades, meet current standards. Upgrades kitchens/bathrooms, improves HVAC, plumbing and electrical systems, provides additional outside storage and parking spaces. Includes asbestos/lead-based paint removal, radon mitigation and landscaping. Grade Mix: 52 E1-E6

(Separate DD Form 1391 attached)

- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None
- WORK PROGRAMMED FOR NEXT THREE YEARS: None

KOREA

OSAN AB

IMPROVE FAMILY HOUSING PH 1

SMYU014001

2,169

- In 2 GOQ and 8 SOQ units, remodel the master bedroom and bathrooms; replace all windows and doors with energy efficient models; implement force protection measures; replace boiler and chillers, along with associate HVAC equipment, ductwork, and piping in the units; replace underground fuel storage tank with above ground tank with containment, construct one-vehicle carports.

(Separate DD Form 1391 attached)

- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None.
- WORK PROGRAMMED FOR NEXT THREE YEARS: None.

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
VARIOUS AIR FORCE BASES		
4. PROJECT TITLE	5. PROJECT NUMBER	
POST AQUISITION CONSTRUCTION	N/A	

10. Description of work to be accomplished

Location and Project

Current Working
Estimate (\$000)

UNITED KINGDOM

RAF FAIRFORD

IMPROVE MILITARY FAMILY HOUSING
GKVB014003

10,923

- Provides general interior and exterior modernisation and renovation of housing units. Rewires the whole house and installs modern lighting. Upgrades the bathrooms. Retiles the roofs. Replaces all painted interior woodwork, doors and skirtings. Provides new floor coverings.
(Separate DD Form 1391 attached)
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: In
Fy 1998 the original windows and secondary double glazing was replaced in all 106 units.
In Fy 1999 the kitchens are being refitted in 94 units.
- WORK PROGRAMMED FOR NEXT THREE YEARS: None

RAF LAKENHEATH

IMPROVE FAMILY HOUSING
MSET014024

15,910

- Provides general interior and exterior modernization and renovation of housing units. Includes utility upgrade and additions to meet current standards. Upgrade kitchen, bathroom and floor coverings, improves floor plans, provides increased energy efficiency, privacy fencing, patios, playgrounds and recreation areas. Includes demolition and abestos/lead based paint removal.
(Separate DD Form 1391 attached)
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: FY
98 Repairs to heating on 21 units.
- WORK PROGRAMMED FOR NEXT THREE YEARS: None

1. COMPONENT	2. DATE
FY 2001 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
VARIOUS AIR FORCE BASES	
4. PROJECT TITLE	5. PROJECT NUMBER
POST AQUISITION CONSTRUCTION	N/A

10. Description of work to be accomplished

<u>Location and Project</u>	<u>Current Working Estimate (\$000)</u>
<u>UNITED KINGDOM (CONT)</u>	
RAF MOLESWORTH	
IMPROVE SURPLUS COMMODITY FAMILY HSG	13,177
AEDY019701	
- Provides general interior and exterior modernization and renovation of housing units. Includes utility upgrade and additions to meet current standards. Upgrade kitchens, floor coverings and bathrooms. Improve floor plans, provide increased energy efficiency, privacy fencing, patios, playgrounds and recreational areas. Includes demolition and asbestos/lead-based paint removal. (Separate DD Form 1391 attached)	
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None	
- WORK PROGRAMMED FOR NEXT THREE YEARS: None	

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DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 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		2. DATE	
FY 2001 MILITARY CONSTRUCTION PROJECT DATA			
AIR FORCE		(computer generated)	
3. INSTALLATION AND LOCATION		4. PROJECT TITLE	
LITTLE ROCK AIR FORCE BASE, ARKANSAS		PRIVATIZE FAMILY HOUSING	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
8.87.42	711-111	NKAK014006	2,000
9. COST ESTIMATES			
ITEM	U/M	QUANTITY	UNIT COST (\$000)
PRIVATIZE FAMILY HOUSING	UN	1,535	1,303
SUBTOTAL			2,000
TOTAL CONTRACT COST			2,000
TOTAL REQUEST			2,000
AREA COST FACTOR		0.85	
10. Description of Proposed Construction: Conveys 1,535 existing and duplex housing units for a privatization end state of 1,535 units on approximately 433 acres of leased land. Without privatization, the MILCON cost for this work is \$56.66M. With no score cost, the leverage is maximized. Privatized units will meet current space and floor plan standards, and provide amenities, support facilities and infrastructure. Grade Mix: 20 01-02; 192 03-010; 512 E1-E4; 811 E5-E9.			
11. REQUIREMENT: 2,935 UN ADEQUATE: 1,815 UN SUBSTANDARD: 1,120 UN <u>PROJECT:</u> Privatize Military Family Housing (Current Mission) <u>REQUIREMENT:</u> This project is required to provide access to modern, efficient, comfortable, and appealing housing, which is comparable to the off-base civilian community, for military members and their dependents stationed at Little Rock AFB AR. <u>CURRENT SITUATION:</u> The current housing units were constructed between 1958 and 1960. These old houses require major renovation and repair to correct deterioration resulting from age and heavy use. Few have had major upgrades since construction, do not meet the needs of today's families and do not provide for modern home improvements. Kitchen and bathroom cabinets and fixtures are obsolete and deteriorated. Counter tops are warped, stained, and separating at the seams. Plumbing and lighting fixtures are deteriorated and dated. The electrical systems do not meet modern construction codes. Ground Fault Circuit Interrupter (GFCI) protection is not provided for in most kitchens, bathrooms, and exterior circuits. Flooring is stained, loose, and mismatched due to non-availability of original materials for replacement. Windows, siding, and insulation require replacement. The units have inadequate living			

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
LITTLE ROCK AIR FORCE BASE, ARKANSAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
PRIVATIZE FAMILY HOUSING	NKAK014006	

space and storage, and most have no patio or backyard privacy.

IMPACT IF NOT PROVIDED: Housing units will continue to deteriorate rapidly, resulting in increasing operations, maintenance, and repair costs to the Government and inconvenience to residents. Without this project, repair of these units will continue in a costly and piecemeal fashion, with little or no improvement in living quality. There are no alternatives to living in inadequate or expensive housing if families desire to avoid lengthy and costly (both financially and psychologically) "voluntary" separation. The impact will be major morale and/or financial problems for affected families.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None.

WORK PROGRAMMED FOR NEXT THREE YEARS: None.

ADDITIONAL: The installation commander agrees these units are severable. This privatization project contains no resale merchandise, services, or commercial recreational operations or activities in accordance with SAF/MI Housing Privatization Interim Operating Instructions memorandum dated 2 Mar 99 and AF/IL memorandum regarding coordination with AAFES, DeCA, and MWR Board dated 19 Mar 99. A viable proforma and a preliminary economic analysis will be provided during the concept approval process, and a certified economic analysis will be accomplished prior to completion of the solicitation process. In the event Congress does not extend the privatization legislation, the Air Force will execute an improvement project of 35 units at the programmed amount requested by this privatization candidate. BCE: Lt Col Drew Jeter, Comm: (501)987-3322.

1. COMPONENT		2. DATE	
FY 2001 MILITARY CONSTRUCTION PROJECT DATA			
AIR FORCE		(computer generated)	
3. INSTALLATION AND LOCATION		4. PROJECT TITLE	
VANDENBERG AIR FORCE BASE, CALIFORNIA		PRIVATIZE CAPEHART FAMILY HOUSING, EAST HOUSING	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
8.87.42	711-111	XUMU014012	7,013

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIVATIZE CAPEHART FAMILY HOUSING, EAST HOUSING	UN	506	9,907	5,013
SUPPORTING FACILITIES				2,000
SIOH TITLE II SERVICES	LS			(2,000)
SUBTOTAL				7,013
TOTAL CONTRACT COST				7,013
TOTAL REQUEST				7,013

AREA COST FACTOR 1.20

10. Description of Proposed Construction: Conveys 672 existing units, demolishes 166 units, replaces 334 units, and adds 172 units as income to the project for an end status of 506 units on approximately 250 acres of leased land. Without privatization, the MILCON cost for this work is \$48.9M for an anticipated leverage of 9.7:1. Units will provide modern conveniences, include amenities, support facilities and infrastructure.

11. REQUIREMENT: 1,691 UN ADEQUATE: 1,180 UN SUBSTANDARD: 840 UN PROJECT: Privatize Military Family Housing (East Housing), (Current Mission).

REQUIREMENT: This project is required to provide access to modern, efficient safe housing for military members and their dependents stationed Vandenberg AFB. After conveyance, 334 units must be replaced to meet current codes and to provide a comfortable and appealing living environment comparable to off-base civilian community. After completion, all units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan, phases 9 to 14.

CURRENT SITUATION: Units are over 38 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, worn out/insufficient

1. COMPONENT	2. DATE
FY 2001 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)
3. INSTALLATION AND LOCATION	
VANDENBERG AIR FORCE BASE, CALIFORNIA	
4. PROJECT TITLE	5. PROJECT NUMBER
PRIVATIZE CAPEHART FAMILY HOUSING, EAST HOUSING	XUMU014012

cabinets. Bathroom fixtures, vanities, and appointments are worn and outmoded. Plumbing fixtures are worn and failing. Utilities, pavements and landscape require renovation.

IMPACT IF NOT PROVIDED: Units will continue to deteriorate rapidly, resulting in increasing operations, maintenance, and repair costs to the government and inconvenience to residents. Without this project, repair of these units will continue in a costly, piecemeal fashion, with little or no improvement in living quality. There are no alternatives to living in inadequate or expensive housing if families desire to avoid lengthy and costly (both financially and psychologically) "voluntary" separations. The impact will be major morale and/or financial problems for the affected families.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None

WORK PROGRAMMED FOR NEXT THREE YEARS: None

ADDITIONAL: The installation commander agrees the units are severable. This privatization project contains no resale merchandise, services or commercial recreational operations IAW the SAF/ MI Housing Privatization Interim Operating Instructions dated 2 Mar 99 and AF/IL memo dated 19 Mar 99. A viable proforma and preliminary economic analysis will be accomplished prior to completion of the solicitation process. In the event Congress does not extend privatization legislation, the Air Force will execute an improvement project of 45 units in accordance with the HCP at the programmed amount requested by this privatization candidate. Base Civil Engineer: Col Steven C. Boyce, DSN 276-6855.

1. COMPONENT	2. DATE
FY 2001 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)
3. INSTALLATION AND LOCATION	4. PROJECT TITLE
BOLLING AIR FORCE BASE, WASHINGTON DC	IMPROVE FAMILY HOUSING
5. PROGRAM ELEMENT	6. CATEGORY CODE
8.87.42	711-144
7. PROJECT NUMBER	8. PROJECT COST (\$000)
BXUR014005	216

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
IMPROVE FAMILY HOUSING	UN	22	9,560	210
SUBTOTAL				210
TOTAL CONTRACT COST				210
SUPERVISION, INSPECTION AND OVERHEAD (3%)				6
TOTAL REQUEST				216

MOST EXPENSIVE UNIT	\$82,000		
AREA COST FACTOR	0.95		

10. Description of Proposed Construction: Improve 3 GOQs units. Alter kitchens, baths, bedrooms and sunrooms. Upgrade fixtures, finishes, wood floors, doors, moulding and trim. Replace plaster ceilings with gypsum board and repair plaster walls. Upgrade utility systems. Install shelves/util. sink in laundry room. Repair garages, patios, exterior appurtenances & landscape. Also improve exterior appurtenances for 19 GOQ Grade Mix: 22 03-010.

11. REQUIREMENT: 6,839 UM ADEQUATE: 4,836 UM SUBSTANDARD: 1,172 UM
PROJECT: Improve 3 GOQ units to meet wholehouse standards. Also improve exterior appurtenances on 19 GOQ units. (Current Mission)
REQUIREMENT: This project is required to modernize 3 GOQ units to bring them up to current Air Force and Contemporary living standards and alter exterior appurtenances on 19 GOQ units to make them livable. The exterior appurtenances include breezeway enclosures, gates, fences, patio covers and expansion. This project is also required to provide necessary repairs and improve energy efficiency.
CURRENT SITUATION: The 66 year old GOQ units do not meet current Air Force and contemporary living standards. The current layouts are obsolete and not functional. All major systems are from the original construction. The plaster wall and ceiling systems are failing, with plaster separating from the lath in many of the units. On several occasions, the ceilings have fallen. They are currently being jacked and secured on an as needed basis. The electrical and mechanical systems are of the original construction. Both systems have been modified through the years to meet the needs of the occupants. The minor modifications to the systems has left them in an incongruous state. The second floor areas require

1. COMPONENT	2. DATE
FY 2001 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
BOLLING AIR FORCE BASE, WASHINGTON DC	
4. PROJECT TITLE	5. PROJECT NUMBER
IMPROVE FAMILY HOUSING	BXUR014005

reconfiguration to provide adequate space for closets and bathrooms. Sunrooms and kitchens require reconfiguration to provide ample space for kitchen work centers. Repair and restoration is needed on fireplaces, floors, doors, trim, stair rails, garages, and other exterior appurtenances. Walkways need repair and modification.

IMPACT IF NOT PROVIDED: Units will continue to deteriorate rapidly, resulting in increasing operations, maintenance and repair costs to the Government and inconvenience to the residents. Without this project, repair of these units will continue in a costly, piecemeal fashion with little or no improvement in living quality.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None

WORK PROGRAMMED FOR NEXT THREE YEARS: None

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, improvement, 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 this housing is 21% of the replacement cost. Base Civil Engineer: Col E. D. Mayfield, (202) 767-5565

1. COMPONENT		2. DATE	
FY 2001 MILITARY CONSTRUCTION PROJECT DATA			
AIR FORCE		(computer generated)	
3. INSTALLATION AND LOCATION		4. PROJECT TITLE	
MOODY AIR FORCE BASE, GEORGIA		HOUSING PRIVATIZATION FAMILY HOUSING	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)
8.87.42	711-142	QSEU990245	8,401
9. COST ESTIMATES			
ITEM	U/M	QUANTITY	UNIT COST COST (\$000)
HOUSING PRIVATIZATION FAMILY HOUSING			6,401
PRIVATIZE FAMILY HOUSING	UN	696	9,197 (6,401)
SUPPORTING FACILITIES			2,000
SIOH TITLE II SERVICES	LS		(2,000)
SUBTOTAL			8,401
TOTAL CONTRACT COST			8,401
TOTAL REQUEST			8,401
AREA COST FACTOR		0.83	
10. Description of Proposed Construction: Conveys 303 existing and provides deficit reduction of 393 single and multiplex family housing units for a privatization end state of 696 units on approx 100 acres of leased land. Without privatization, the MILCON cost for this work is \$45.9M for an anticipated leverage of 7.1:1. Privatized units will provide modern interior and exterior conveniences and required space. 11. REQUIREMENT: 2,369 EA ADEQUATE: 1,878 EA SUBSTANDARD: 98 EA PROJECT: HOUSING PRIVATIZATION, MOODY AFB, GA (Current Mission) REQUIREMENT: This project is required to provide access to modern and efficient housing for military members and their dependents at Moody AFB. 396 new units must be constructed to provide modern and efficient housing for military members and their dependents stationed at Moody AFB. After completion, all units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. Privatized units will provide modern interior and exterior conveniences, be energy efficient, meet current space and floor plan standards, have modern kitchens, bathrooms and floor coverings. Includes all necessary amenities and supporting facilities to include site preparation, attached single car garages, air conditioning, energy conserving solar features, parking, exterior patios, support infrastructure of roads and utilities, neighborhood playgrounds, and all landscaping. CURRENT SITUATION: The current MFH units were constructed in 1965/1972. These houses require major renovation and repair to correct deterioration resulting from heavy use. All do not meet the requirements of the whole house concept or the needs of today's families, nor do they provide a modern home environment. Kitchen and bathroom cabinets and fixtures are obsolete and deteriorated. Counter tops are warped, stained, and			

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
MOODY AIR FORCE BASE, GEORGIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
HOUSING PRIVATIZATION FAMILY HOUSING	QSEU990245	

separating at the seams. Plumbing and lighting fixtures are dated and deteriorated. The electrical systems do not meet modern codes. Ground Fault Circuit Interrupter protection is not provided for all bathrooms, kitchens, and exterior circuits. Window, siding, and installation require replacement. The shortage of suitable housing forces many military to accept inadequate housing in the local community, thus affecting family moral, or forcing members to occupy housing at rents outside the acceptable range, causing financial hardships. The waiting times for base housing average 2-3 years.

IMPACT IF NOT PROVIDED: Units will continue to deteriorate rapidly, resulting in increasing operations, maintenance and repair costs to the Government and inconvenience to residents. Without this project repairs of these units will continue in a costly, piecemeal fashion with little or no improvement in living quality. These are no alternatives to living in inadequate or expensive housing if families desire to avoid lengthy and costly (both financially and psychologically) "voluntary" separations. The impact will be major moral and/or financial problems for the affected families.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None

WORK PROGRAMMED FOR NEXT THREE YEARS: None

ADDITIONAL: In the event Congress does not extend the privatization legislation, Air Force will execute an improvement project of 97 units at the programmed amount. Base Civil Engineer: Lt Col Guy Wells, DSN 460-3659

1. COMPONENT		2. DATE	
FY 2001 MILITARY CONSTRUCTION PROJECT DATA			
AIR FORCE		(computer generated)	
3. INSTALLATION AND LOCATION		4. PROJECT TITLE	
OFFUTT AIR FORCE BASE, NEBRASKA		PRIVATIZE MILITARY FAMILY HOUSING	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)
8.87.42	711-111	SGBP013001	14,982

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIVATIZE MILITARY FAMILY HOUSING	UN	2,580	5,032	12,983
SUPPORTING FACILITIES				1,999
SIQH TITLE II SERVICES	LS			(1,999)
SUBTOTAL				14,982
TOTAL CONTRACT COST				14,982
TOTAL REQUEST				14,982

AREA COST FACTOR 0.98

10. Description of Proposed Construction: Conveys 2580 existing single and multiplex family housing units for privatization, end state, on approximately 630 acres of leased land and retains 32 Historic housing units that are not severable. Without privatization, the MILCON cost for this work is \$143,849,080 for an anticipated leverage of 11:1.

11. REQUIREMENT: 5,019 UN ADEQUATE: 2,900 UN SUBSTANDARD: 2,117 UN PROJECT: Privatize Military Family Housing (Current Mission).

REQUIREMENT: This project is required to provide modern efficient housing for military members and their dependents stationed at Offutt AFB. 1690 Capehart units must be upgraded and 391 Wherry units replaced (2081 units total) to meet current life safety codes and to provide a comfortable and appealing living environment comparable to the off-base civilian community. After completion, all units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan.

CURRENT SITUATION: The current housing units were constructed between 1952 and 1975 with the exception of 32 Historic units constructed in the 1890's. These 24-47 year-old houses require major renovation and repair to correct deterioration resulting from age and heavy use. Few have had major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Kitchen and bathroom cabinets and fixtures are obsolete and deteriorated. Counter tops are warped, stained, and separating at the seams. Plumbing and lighting fixtures are deteriorated and dated. 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 stained, loose, and mismatched due to non-availability of original materials for replacement. Windows, siding, and insulation

1. COMPONENT	FY 2001 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	
PRIVATIZE MILITARY FAMILY HOUSING	SGBP013001	

require replacement. The units have inadequate living and storage, and no patio or backyard privacy. Pavement areas need renovation.

IMPACT IF NOT PROVIDED: Units will continue to deteriorate rapidly, resulting in increasing operations, maintenance, and repair costs to the Government and inconvenience to residents. Without this project repair of these units will continue in a costly, piecemeal fashion with little or no improvement in living quality. The impact will be major morale problems for those families living in substandard military family housing units and unacceptable financial hardships for military families on limited budgets occupying units meeting standards in the local community with higher rents.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None

WORK PROGRAMMED FOR NEXT THREE YEARS: None

ADDITIONAL: The scope of this privatization project has been reviewed by the installation commander and these units are severable according to the 'MFH Severability' criteria contained in the AF FHMP. This privatization project contains no resale merchandise, services or commercial recreational operations or activities in accordance with the SAF/MII Housing Privatization Interim Operating Instructions memorandum dated 2 Mar 99 and AF/IL memo regarding coordination with AAFES, DeCA, and MWR Board dated 19 Mar 99. In the event Congress does not extend the privatization legislation, the Air Force will execute an improvement/replacement project consisting of 95 units in accordance with the installations HCP and at the programmed amount requested by this privatization candidate. BCE: Col John D. Fouser, (402)294-5500.

1. COMPONENT	FY 2001 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	
IMPROVE CAPEHART FAMILY HOUSING,	WWYK014003	

inadequate living space and storage.

IMPACT IF NOT PROVIDED: Units will continue to deteriorate rapidly, resulting in increasing operations, maintenance and repair costs to the government and inconvenience to residents. Without this project repair of these units will continue in a costly, piecemeal fashion with little or no improvement in living quality. Housing Market Analysis shows an on-base housing deficit of 359 units.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None.

WORK PROGRAMMED FOR NEXT THREE YEARS: None

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of replacement, improvement, 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. This is a privatization candidate project. Base Civil Engineer: Colonel Michael Cuddihee (405) 734-3451.

1. COMPONENT		2. DATE	
FY 2001 MILITARY CONSTRUCTION PROJECT DATA			
AIR FORCE		(computer generated)	
3. INSTALLATION AND LOCATION		4. PROJECT TITLE	
CHARLESTON AIR FORCE BASE, SOUTH CAROLINA		PRIVATIZE MILITARY FAMILY HOUSING (HUNLEY PARK)	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
8.87.42	711-143	DKFX014238H1	2,000

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
PRIVATIZE MILITARY FAMILY HOUSING (HUNLEY PARK)	LS			
SUPPORTING FACILITIES				2,000
SIOH TITLE II SERVICES	UN	488	4,098	(2,000)
SUBTOTAL				2,000
TOTAL CONTRACT COST				2,000
TOTAL REQUEST				2,000

AREA COST FACTOR	0.89
10. Description of Proposed Construction: Conveys 488 existing single and multiplex family housing units for a privatization end state of 488 units on approximately 271 acres of leased land. The MILCON cost for this work is \$18.0M. With no score cost, the leverage is maximized. Privatized units will meet current space and floor plan standards, and include amenities, support facilities, and infrastructure.	
11. REQUIREMENT: 2,181 UN ADEQUATE: 257 UN SUBSTANDARD: 1,181 UN PROJECT: Privatize Military Family Housing (Current Mission) REQUIREMENT: This project is required to provide access to modern and efficient housing for military members and their dependents stationed at Charleston AFB. Once conveyed 320 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. CURRENT SITUATION: Housing units were constructed in 1964 and operated by the Navy until 1996. These houses require major renovation and repair to correct deterioration resulting from age and heavy use. The units received only minor upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Kitchen and bathrooms are obsolete and deteriorated. The remainder of the interior is deteriorated and dated. The electrical systems do not meet current codes. Windows and insulation require replacement. Pavement areas need renovation. Sanitary sewer and water lines are deteriorated and need to be replaced. Pole mounted electrical distribution system needs to be placed underground. IMPACT IF NOT PROVIDED: Units will continue to deteriorate rapidly, resulting in increasing operations, maintenance, and repair costs to the government and inconvenience to residents. Without this project, repair	

1. COMPONENT	FY 2001 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	
PRIVATIZE MILITARY FAMILY HOUSING (HUNLEY PARK)	DKFX014238H1	

of these units will continue in a costly, piecemeal fashion, with little or no improvement in living quality. There are no alternatives to living in inadequate or expensive housing if families desire to avoid lengthy and costly (both financially and psychologically) "voluntary" separations. The impact will be major morale and/or financial problems for the affected families.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None

WORK PROGRAMMED FOR NEXT THREE YEARS: None

ADDITIONAL: The installation commander agrees these units are severable. This privatization project contains no resale merchandise, services, or commercial recreational operations or activities in accordance with SAF/MI Housing Privatization Interim Operating Instructions memorandum dated 2 Mar 99 and AF/IL memorandum regarding coordination with AAFES, DeCA and MWR Board dated 19 Mar 99. A viable proforma and a preliminary economic analysis will be provided during the concept approval process, and a certified economic analysis will be accomplished prior to completion of the solicitation process. In the event Congress does not extend the privatization legislation, the Air Force will execute an improvement project of 18 units at the programmed amount requested by this privatization candidate. BCE: Lt Col Jon Roop (843) 963-4956

1. COMPONENT	2. DATE
FY 2001 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)
3. INSTALLATION AND LOCATION	
HILL AIR FORCE BASE, UTAH	
4. PROJECT TITLE	5. PROJECT NUMBER
PRIVATIZE FAMILY HOUSING, AREAS D,E,F&G	KRSM014005

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None

WORK PROGRAMMED FOR NEXT THREE YEARS: None

ADDITIONAL: The installation commander agrees these units are severable. This privatization project contains no resale merchandise, services or commercial recreation operations or activities in accordance with the SAF/MI Housing Privatization Interim Operating Instructions memorandum dated 2 Mar 99 and AF/IL memo regarding coordination with AAFESS, DeCA, and MWR Board dated 19 Mar 99. A viable proforma and a preliminary economic analysis will be developed and provided during the concept approval process, and a certified economic analysis will be accomplished prior to completion of the solicitation process. In the event Congress does not extend the privatization legislation, Air Force will execute an improvement project of 100 units at the programmed amount requested by this privatization candidate. BCE: Col Per Korslund (801)777-2299.

1. COMPONENT		2. DATE	
FY 2001 MILITARY CONSTRUCTION PROJECT DATA			
AIR FORCE		(computer generated)	
3. INSTALLATION AND LOCATION		4. PROJECT TITLE	
HILL AIR FORCE BASE, UTAH		IMPROVE FAMILY HOUSING AREAS	
5. PROGRAM ELEMENT		A&B	
6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)	
8.87.42	711-144	KRSM014006	1,011

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
IMPROVE FAMILY HOUSING AREAS A&B	UN	8	108,375	867
SUPPORTING FACILITIES				115
EXTERIOR STORAGE	UN	8	1,800	(14)
LANDSCAPING	LS			(16)
ASBESTOS ABATEMENT	LS			(61)
LEAD BASE PAINT REMOVAL	LS			(24)
SUBTOTAL				982
TOTAL CONTRACT COST				982
SUPERVISION, INSPECTION AND OVERHEAD (3%)				29
TOTAL REQUEST				1,011

MOST EXPENSIVE UNIT \$171,406
AREA COST FACTOR 1.05

10. Description of Proposed Construction: Provides general interior and exterior modernization of 8 housing units in Areas A and B. Includes upgrades to kitchens, bathrooms, finishes (interior and exterior), and floor coverings. Improve floor plans, energy efficiency, detached garages, landscaping, and provides limited additions and all other related work. Includes asbestos abatement and lead paint removal.
Grade Mix: 8 03-010.

11. REQUIREMENT: 3,062 UN ADEQUATE: 2,350 UN SUBSTANDARD: 712 UN
PROJECT: Improve Military Family Housing. This project is for Officers Quarters; 2-3BR CGO, 2-3BR FGO, 3-3BR SGO, and 1-3BR GOQ. (Current Mission)
REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at Hill AFB. 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 Phase I of multiple phases to improve 25 houses. All units will meet "wholehouse" standards and are programmed in accordance with the Housing Community Plan. Renovated housing will provide a modern kitchen, living room, bedroom and bath configuration with ample interior/exterior storage. Neighborhood improvements are required and will include landscaping, playgrounds and recreation areas.
CURRENT SITUATION: Family housing units in Areas A and B are nonseverable for privatization and are being retained for officer housing. These units were originally constructed in 1939 and 1941 and have had only piecemeal improvements and repairs since. These units are historic structures and

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
HILL AIR FORCE BASE, UTAH		
4. PROJECT TITLE	5. PROJECT NUMBER	
IMPROVE FAMILY HOUSING AREAS A&B	KRSM014006	

are on the approved historic preservation plan (cultural resource management plan). All repairs and improvements must meet the historic preservation statutes. In accordance with the Defense Planning Guidance these units must be revitalized before Fiscal Year 2010. The Air Force Condition Assessment Matrices, prepared in 1999, identifies nearly every building system in these units as substandard. In many of these units major renovation is required to correct these deficiencies. Further, the Housing Community Plan recommends additions to several of the units to provide accommodation for family room or master bathroom. It also recommends provision for additional interior and exterior storage.

IMPACT IF NOT PROVIDED: Units will continue to deteriorate, resulting in increasing operations, maintenance and repair costs to the Government and inconvenience to residents. Without this project repair of these units will continue in a costly piecemeal fashion with little or no improvement in living quality.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: FY98 - Replace Windows, MFH A/B, 11 units, \$153,103; FY99 - Install Gas Fire Places, MFH A/B, 9 units \$36,69; FY99/00 - Repair Fence at 1106, MFH A, 1 unit, \$15,000

WORK PROGRAMMED FOR NEXT THREE YEARS: None

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, improvement, and status quo operation. Based on the net present value 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 this housing is 64% of the replacement cost. Base Civil Engineer: Col Per Korslund (801)777-2299.

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA			2. DATE
AIR FORCE	(computer generated)			
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
RAMSTEIN AIR BASE, GERMANY		IMPROVE FAMILY HOUSING		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)	
8.87.42	711-161	TYFR014047	45,813	

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
IMPROVE FAMILY HOUSING	UN	434	101,013	43,840
SUBTOTAL				43,840
TOTAL CONTRACT COST				43,840
SUPERVISION, INSPECTION AND OVERHEAD (4.5%)				1,973
TOTAL REQUEST				45,813

FCF BUDGET RATE USED: Deutsche Mark 1.9521

MOST EXPENSIVE UNIT	\$180,000
AREA COST FACTOR	1.34

10. Description of Proposed Construction: Provides general interior and exterior modernization and renovation of housing units. Includes utility upgrade and additions to meet current standards. Upgrade kitchens, bathrooms, floor coverings, stairwells and entryways, improves floor plans, provides increased energy efficiency, corrects fire deficiencies, and adds or repl balconies. Incl demolition and asbestos/Lead-Base Grade Mix: 355 E1-E4; 79 E5-E9.

11. REQUIREMENT: 9,228 UN ADEQUATE: 4,527 UN SUBSTANDARD: 4,314 UN
PROJECT: Improve Military Family Housing (This continues phase A, C, D, F, G, and N of the Ramstein AB Housing Community Plan).
REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at Ramstein AB, Germany. The housing must be upgraded to meet current life safety codes and to provide a comfortable and appealing living environment. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. Living units will be expanded to provide a second bath and an interior laundry area where authorized.
CURRENT SITUATION: This project upgrades and modernizes housing which was constructed in the 1950's. These 50 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 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 the basement. Kitchen and bathroom cabinets and fixtures are obsolete and deteriorated. Electrical systems do not meet current construction codes;

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
RAMSTEIN AIR BASE, GERMANY		
4. PROJECT TITLE	5. PROJECT NUMBER	
IMPROVE FAMILY HOUSING	TYFR014047	
ground fault interrupter protection is not provided for bathrooms, kitchens, and exterior circuits. Roofs and windows need repair or replacement. Balconies are deteriorated and need replacement. <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 four flights of stairs to use laundry facilities in the basement. Low morale and retention problems can be expected if such conditions continue to exist. <u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None <u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None <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 41% of the replacement cost. This project is not eligible for NATO funding. SIOH is 4.5% based on agreement between US Air Force and German execution agent (Staatsbauamt). Base Civil Engineer: Col Ed Pokora, DSN 314-480-6228		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
SPANGDAHLEM AIR BASE, GERMANY			IMPROVE DEUTCHMARK FAMILY HOUSING		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.87.42	711-161	BSHF014000	15,342		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
IMPROVE FAMILY HOUSING		UN	162	90,622	14,681
SUBTOTAL					14,681
TOTAL CONTRACT COST					14,681
SUPERVISION, INSPECTION AND OVERHEAD (4.5%)					661
TOTAL REQUEST					15,342
FCF BUDGET RATE USED: Deutsche Mark 1.9521					
MOST EXPENSIVE UNIT					\$143,363
AREA COST FACTOR					1.21
10. Description of Proposed Construction: Provides general interior and exterior modernization and renovation of housing units. Includes utility replacement and upgrades to meet current standards. Upgrade kitchens, bathrooms, floors, stairwells, and entryways, improves floor plans and energy efficiency, corrects fire deficiencies, repairs balconies, roof, and landscaping. Includes demolition and asbestos/lead paint removal. Grade Mix: 2 O3-O10; 64 E1-E4; 96 E5-E9.					
11. REQUIREMENT: 2,578 UN ADEQUATE: 1,137 UN SUBSTANDARD: 1,405 UN PROJECT: Improve Military Family Housing (This is a continuing phase of the Spangdahlem AB Housing Community Plan) REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at Spangdahlem AB, Germany. The housing must be upgraded to meet current life safety codes and to provide a comfortable and appealing living environment. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. Living units will be expanded to provide a second bath and an interior laundry area where authorized. CURRENT SITUATION: This project upgrades and modernizes housing which was constructed in the 1950's. These 50 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. The Spangdahlem homes are built as 4-story stairwell type apartment buildings. Community laundry rooms are located in the basement. Kitchen and bathroom cabinets and fixtures are obsolete and deteriorated. Wall and floor tiles are old, cracked, and mis-matched. Plumbing and					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
SPANGDAHLEM AIR BASE, GERMANY		
4. PROJECT TITLE	5. PROJECT NUMBER	
IMPROVE DEUTCHMARK FAMILY HOUSING	BSHF014000	
lighting fixtures are deteriorated. Electrical systems do not meet current construction codes; ground fault interrupter protection is not provided for in bathrooms, kitchens, and exterior circuits. Roofs and windows need repair and replacement. Balconies are deteriorated and need replacement. <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 the residents. Families will be forced to take children up and down four flights of stairs to use the laundry facilities in the basement. We can expect low morale and retention problems if these conditions continue to exist. <u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None. <u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None. <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 option over the life of the project. The cost to improve this housing is 61% of the replacement cost. This project is not eligible for NATO funding. SIOH is 4.5% based on agreement between US Air Force and German execution agent (Staatsbauamt). BASE CIVIL ENGINEER: Lt Col Kim C. Traver, 011-49-6565-616302 DSN 452-6302		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
KADENA AIR BASE, JAPAN			IMPROVE FAMILY HOUSING PH 1		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.87.42	711-171	LXEZ014113	9,074		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
IMPROVE FAMILY HOUSING PH 1	UN	52	143,500	7,462	
SUPPORTING FACILITIES				1,348	
UTILITIES	UN	52	12,433	(647)	
STORAGE/PATIO	UN	52	7,162	(372)	
LANDSCAPE/PARKING	LS			(140)	
ASBESTOS/LEAD-BASED PAINT REMOVAL	LS			(189)	
SUBTOTAL				8,810	
TOTAL CONTRACT COST				8,810	
SUPERVISION, INSPECTION AND OVERHEAD (3%)				264	
TOTAL REQUEST				9,074	
FCF BUDGET RATE USED: Yen 102.670					
MOST EXPENSIVE UNIT		\$156,500			
AREA COST FACTOR		1.50			
10. Description of Proposed Construction: Provides general interior exterior modernization and renovation of 52 housing units. Includes utility upgrades, meet current standards. Upgrades kitchens/bathrooms, improves HVAC, plumbing and electrical systems, provides additional outside storage and parking spaces. Includes asbestos/lead-based paint removal, radon mitigation and landscaping. Grade Mix: 52 E1-E6					
11. REQUIREMENT: 10,051 UN ADEQUATE: 5,604 UN SUBSTANDARD: 3,523 UN PROJECT: Improve Family Housing Phase 1. (Current Mission) REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at Kadena AB, Japan. Housing must be upgraded to meet current life safety codes and to provide a comfortable and appealing living environment. All units will meet whole house standards and are programmed in accordance with phase one 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 air conditioned. CURRENT SITUATION: This project will upgrade and modernize Seville Manor housing, which was built in 1977 by the Government of Japan. These units have not received any major renovation since construction, and do not meet current standards. Kitchen and bathroom fixtures are obsolete and deteriorated. The unit floors, doors, lights, closets, heating/cooling systems, power system are antiquated requiring constant repair and are not energy efficient. The units lack outside area to store lawnmowers and tools. Visitor parking is not adequate. Remediation of hazardous materials is required. IMPACT IF NOT PROVIDED: Units will continue to deteriorate rapidly, resulting in increasing operations, maintenance and repair costs to the					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
KADENA AIR BASE, JAPAN		
4. PROJECT TITLE	5. PROJECT NUMBER	
IMPROVE FAMILY HOUSING PH 1	LXEZ014113	
government and inconvenience to residents. Without this project repair of these units will continue in a costly, piecemeal fashion with little or no improvement in living quality. <u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None <u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None <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. This project is not eligible for Host Nation funding. The cost to improve this housing unit is 44% of the replacement cost. Base Civil Engineer: Col William R. Quinn (DSN 634-1807)		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
OSAN AIR BASE, KOREA			IMPROVE FAMILY HOUSING PH 1		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.87.42	711-181	SMYU014001	2,169		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
IMPROVE FAMILY HOUSING	LS			1,244	
REMODEL DWELLING HOUSING	UN	10	99,000	(990)	
GENERAL MAINTENANCE & REPAIR	UN	10	18,500	(185)	
FORCE PROTECTION MEASURES	UN	10	6,900	(69)	
SUPPORTING FACILITIES		1		808	
UTILITIES/MECHANICAL BUILDINGS	LS			(698)	
CONSTRUCT CARPORT	EA	10	11,000	(110)	
SUBTOTAL				2,052	
TOTAL CONTRACT COST				2,052	
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				117	
TOTAL REQUEST				2,169	
FCF BUDGET RATE USED: Won 1,149.8					
MOST EXPENSIVE UNIT		\$202,000			
AREA COST FACTOR		1.06			
10. Description of Proposed Construction: In 2 GOQ and 8 SOQ units, remodel the master bedroom and bathrooms; replace all windows and doors with energy efficient models; implement force protection measures; replace boiler and chillers, along with associate HVAC equipment, ductwork, and piping in the units; replace underground fuel storage tank with above ground tank with containment, construct one-vehicle carports. Grade Mix: 10 03-010.					
11. REQUIREMENT: 446 UN ADEQUATE: 94 UN SUBSTANDARD: 212 UN PROJECT: Whole house improvements to 10 military family housing units to include construction of carports and repairs to mechanical equipment. This project includes work on 2 General Officers Quarters. (CurrentMission) REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at Osan 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. All units will meet "wholehouse" standards. Renovated houses will provide modern kitchen, living room, bedroom and bath configuration, with ample interior/exterior storage. Living units will be expanded to meet current space authorizations. Covered parking will be provided where deficient. CURRENT SITUATION: Existing senior officer quarters (SOQ) and general Officer quarters (GOQ) were constructed in 1977. All units have undergone various repair projects over the years, however, none meet overall quality of life standards. According to the General and Flag Officers' Quarters Plan (GFOQP) "the boilers and chillers are approaching the end of their service life and need to be replaced." Similarly, the GFOQP states "the					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
OSAN AIR BASE, KOREA		
4. PROJECT TITLE	5. PROJECT NUMBER	
IMPROVE FAMILY HOUSING PH 1	SMYU014001	
air handling units are approaching the end of their service life and need replacement." Interior modifications are required to make the kitchens, laundry rooms and bedrooms more functional and comfortable. Water lines are deteriorating, significantly affecting the level of service inside the homes. All residents of these units are key and essential and must live on base. Based on Air Force Family Guide 4.7.1, dated December 1998, single carports are authorized. <u>IMPACT IF NOT PROVIDED:</u> Without major improvements and repairs, the buildings will continue to deteriorate. If the conditions are allowed to persist, the livability of the units will degrade and adversely affect the familys' quality of life. For force protection and readiness reasons, suitable off-base housing, even if it were available, is not an option for the key and essential senior and general officers who occupy these units <u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None. <u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None. <u>ADDITIONAL:</u> This project is sited within the boundaries of Osan AB which will be retained by United States Forces Korea for the foreseeable future. Alternate methods of meeting this requirement have been explored during project development. This project meets the criteria/space specified in Air Force Handbook 32-1084, Facility Requirements. An economic analysis will be prepared comparing the alternatives of new construction, acquisition, and status quo. This project has been coordinated with the installation security plan and all required physical security measures have been taken into account. The cost to improve these units is 46% of replacement cost. This project is not eligible for Host Nation Funding through USFK. SIOH is based on Army Corps of Engineers. BCE:Lt Col Otis Hicks (82-333-661-4312)		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
ROYAL AIR FORCE FAIRFORD, UNITED KINGDOM			IMPROVE MILITARY FAMILY HOUSING		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
8.87.42	711-151	GKVB014003	10,923		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
IMPROVE MILITARY FAMILY HOUSING		UN	106	87,328	9,257
SUPPORTING FACILITIES					1,348
PAVEMENTS		LS			(364)
UTILITIES		LS			(445)
LANDSCAPING		LS			(202)
RECREATION		LS			(337)
SUBTOTAL					10,605
TOTAL CONTRACT COST					10,605
SUPERVISION, INSPECTION AND OVERHEAD (3%)					318
TOTAL REQUEST					10,923
FCF BUDGET RATE USED: Pound 0.6250					
MOST EXPENSIVE UNIT					\$111,874
AREA COST FACTOR					1.48
10. Description of Proposed Construction: Provides general interior and exterior modernisation and renovation of housing units. Rewires the whole house and installs modern lighting. Upgrades the bathrooms. Retiles the roofs. Replaces all painted interior woodwork, doors and skirtings. Provides new floor coverings. Grade Mix: 1 O1-O2; 13 O3-O10; 23 E1-E4; 69 E5-E9.					
11. REQUIREMENT: 148 UN ADEQUATE: 42 UN SUBSTANDARD: 106 UN PROJECT: Improve Military Family Housing REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at RAF Fairford. The housing has to be upgraded to meet current life safety codes and to provide a comfortable and appealing living environment. Additional interior and exterior storage space is needed and extra garages and off street parking areas are also required. CURRENT SITUATION: These houses were built in 1959 and 1960 and are now in urgent need of 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. The roof linings have disintegrated and the fascia and soffit boards have rotted allowing birds and vermin to enter the roof space. Bathroom cabinets and fixtures are obsolete and deteriorated. Showers are not thermostatically controlled and temperature fluctuations are frequently experienced due to the poorly designed plumbing systems. The electrical wiring does not meet current regulations and the lighting fixtures are old and are not efficient. Flooring is vinyl in the living rooms and wood in the bedrooms. The wood floors are hard to maintain and					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
ROYAL AIR FORCE FAIRFORD, UNITED KINGDOM		
4. PROJECT TITLE	5. PROJECT NUMBER	
IMPROVE MILITARY FAMILY HOUSING	GKVB014003	
clean and look bad and vinyl is not a suitable flooring for the lounge. The units are smaller than the size currently authorized, are short of storage space. There are only 35 garages for 106 houses. <u>IMPACT IF NOT PROVIDED:</u> Units will continue to deteriorate. More frequent and more costly maintenance and repair will be necessary resulting in more inconvenience to residents. Low morale and retention problems can be expected if such conditions continue to exist. The desire to live off-base, at increased cost to the government, will increase. New occupants will continue to go on a waiting list for a garage. <u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> In Fy 1998 the original windows and secondary double glazing was replaced in all 106 units. In FY 1999 the kitchens are being refitted in 94 units. <u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None <u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, 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 48% of the replacement cost. This project is not eligible for NATO funding. BASE CIVIL ENGINEER: Capt Joseph Wedding, 011-44-1285-714229/4478 DSN:247-4229/4478		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
ROYAL AIR FORCE LAKENHEATH, UNITED KINGDOM			IMPROVE FAMILY HOUSING		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
8.87.42	711-181	MSET014024	15,910		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
IMPROVE FAMILY HOUSING	UN	158	86,477	13,663	
SUPPORTING FACILITIES				1,784	
PAVEMENTS	LS			(950)	
UTILITIES	LS			(270)	
LANDSCAPING	LS			(375)	
RECREATION	LS			(189)	
SUBTOTAL				15,447	
TOTAL CONTRACT COST				15,447	
SUPERVISION, INSPECTION AND OVERHEAD (3%)				463	
TOTAL REQUEST				15,910	
FCF BUDGET RATE USED: Pound 0.6250					
MOST EXPENSIVE UNIT		\$132,068			
AREA COST FACTOR		1.40			
10. Description of Proposed Construction: Provides general interior and exterior modernization and renovation of housing units. Includes utility upgrade and additions to meet current standards. Upgrade kitchen, bathroom and floor coverings, improves floor plans, provides increased energy efficiency, privacy fencing, patios, playgrounds and recreation areas. Includes demolition and asbestos/lead based paint removal. Grade Mix: 150 E1-E4; 8 E5-E9.					
11. REQUIREMENT: 5,400 UN ADEQUATE: 4,645 UN SUBSTANDARD: 755 UN PROJECT: Improve Military Family Housing (Phase C & D) REQUIREMENT: This project is required to provide modern and efficient housing for military members and thier dependants 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 off-base civilian community. All units will meet "whole house" standards and are programmed in accordance with phase C & D 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, lighting, playgrounds and recreation areas. CURRENT SITUATION: This project upgrades and modernizes housing that was constructed in 1957. These 44-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.					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
ROYAL AIR FORCE LAKENHEATH, UNITED KINGDOM		
4. PROJECT TITLE	5. PROJECT NUMBER	
IMPROVE FAMILY HOUSING	MSET014024	
Bathroom cabinets and fixtures are obsolete and deteriorated. Plumbing and lighting fixtures are deteriorated and dated The roofs have deteriorated and are in need of repair. The electrical systems do not meet modern construction codes. Flooring is stained, loose and mismatched due to the non-availability of original materials for replacement. The units have inadequate living space by Air Force standards, only one full sized bathroom, minimal storage space, and no patio or backyard privacy. Landscaping, lighting, parking and recreation areas for housing residents are deficient. <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 of residents. Repair of these units will continue in a costly, piecemeal fashion with little or no improvement in living quality. Low morale and retention problems can be expected if such conditions continue to exist. <u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> FY 98 Repairs to heating on 21 units. <u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None <u>ADDITIONAL:</u> An economical analysis has been prepared comparing the alternatives of new construction, improvement, and status quo operation. Based on the net present values and the benefits of the respective alternatives, improvement was found to be the most cost effective over the life of the project. The cost to improve housing is 60% of the replacement cost as computed in Tri-Service Cost Estimate. Base Civil Engineer: Lt Col Andrew Scrafford, 011-44-1638-522100 DSN: 226-2100.		

FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)				2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION ROYAL AIR FORCE MOLESWORTH, UNITED KINGDOM			4. PROJECT TITLE IMPROVE SURPLUS COMMODITY FAMILY HSG		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
8.87.42	711-151	AEDY019701	13,177		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
IMPROVE FAMILY HOUSING	UN	130	85,911	11,168	
SUPPORTING FACILITIES				1,625	
PAVEMENTS	LS			(439)	
UTILITIES	LS			(537)	
LANDSCAPING	LS			(244)	
RECREATION	LS			(405)	
SUBTOTAL				12,793	
TOTAL CONTRACT COST				12,793	
SUPERVISION, INSPECTION AND OVERHEAD (3%)				384	
TOTAL REQUEST				13,177	
FCF BUDGET RATE USED: Pound 0.6250					
MOST EXPENSIVE UNIT		\$120,318			
AREA COST FACTOR		1.40			
10. Description of Proposed Construction: Provides general interior and exterior modernization and renovation of housing units. Includes utility upgrade and additions to meet current standards. Upgrade kitchens, floor coverings and bathrooms. Improve floor plans, provide increased energy efficiency, privacy fencing, patios, playgrounds and recreational areas. Includes demolition and asbestos/lead-based paint removal. Grade Mix: 35 01-02; 20 03-010; 30 E1-E4; 45 E5-E9.					
11. REQUIREMENT: 743 UN ADEQUATE: 482 UN SUBSTANDARD: 261 UN PROJECT: Improve Military Family Housing. REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at RAF Molesworth Tri-Base Community. The housing must be upgraded to meet current safety codes and to provide a comfortable and appealing living environment. All units will meet "whole house" standards and are programmed in accordance with 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. Off street parking will be provided where deficient. Neighborhood improvements are required and will include landscaping, lighting, playgrounds and recreation areas. The project will include hard wired carbon monoxide detectors to conform with the Air Force Carbon Monoxide CO Detector Policy. CURRENT SITUATION: This project upgrades and modernizes housing in the RAF Molesworth Tri-Base Community. These houses require major renovation and repair to correct deterioration resulting from age, (constructed between 1952 and 1954) and heavy use. They have had no major upgrades					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
ROYAL AIR FORCE MOLESWORTH, UNITED KINGDOM		
4. PROJECT TITLE	5. PROJECT NUMBER	
IMPROVE SURPLUS COMMODITY FAMILY HSG	AEDY019701	
since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. bathroom cabinets and fixtures are obsolete and deteriorated. Plumbing and lighting fixtures have deteriorated and are dated. The roofs have deteriorated and are in need of repair. The electrical systems do not meet modern construction codes. Flooring is stained, loose and mismatched due to non-availability of original materials for replacement. The units have inadequate living space by Air Force standards, minimal storage space, and small to no patio or backyard privacy. Landscaping, lighting, parking and recreational areas for housing residents are deficient. <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. Low morale and retention problems can be expected if such conditions continue to exist. <u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None <u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None <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 51% of the replacement cost. This project is not eligible for NATO funding. BASE CIVIL ENGINEER: Major Jeffrey Jackson, 011-44-1480-84-3216, DSN 314-268-3216.		

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DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

FY 2001 ADVANCE PLANNING AND DESIGN

Program (In Thousands)

FY 2001 Program \$12.760

FY 2000 Program \$17.081

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 2001 appropriation of \$12,760,000 to fund this effort as outlined in the following exhibit:

1. COMPONENT AIR FORCE		FY 2001 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES				4. PROJECT TITLE FAMILY HOUSING ADVANCE PLANNING AND DESIGN		
5. PROGRAM ELEMENT 8.87.42		6. CATEGORY CODE 711-000		7. PROJECT NUMBER		8. PROJECT COST (\$000) 12.760
9. COST ESTIMATE						
ITEM				U/M	QUANTITY	COST (\$000)
FAMILY HOUSING ADVANCE PLANNING AND DESIGN				LS		12.760
SUBTOTAL						12.760
TOTAL CONTRACT COST						12.760
TOTAL REQUEST						12.760
10. DESCRIPTION OF PROPOSED CONSTRUCTION: Architect-engineer services, survey, 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 Construction Account. 11. <u>PROJECT</u>: This request is for an authorization and appropriation of \$12.760 million to provide planning and design costs in connection of family housing new or post acquisition construction programs. <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 family 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 and post acquisition construction programs.						

O&M SUMMARY

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

OPERATIONS, UTILITIES AND MAINTENANCE
(Excluding Leasing and Debt)

Program (\$ in Thousands)
FY 2001 Program \$711,609
FY 2000 Program \$695,618

Purpose and Scope: Provides operations and maintenance resources to pay for the cost of ownership in terms of property management, utilities, 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 60% of Air Force families that live in local communities to find quarters in the private sector and implements the Fair Housing Act of 1968. Housing Management offices provide counseling on housing decision-making, advance information on new base of assignment, and assist members through settling-in and home-finding.

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

b. Utilities. Includes all purchased and base-produced heat, electricity, water, sewer, and gas utilities serving family housing. Occupants purchase their own telephone and cable TV service.

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

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

(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 FY01 Operation and Maintenance programs emphasize the following goals:

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

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

- * 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 lodging allowances (TLAs) to approximately three days in lieu of the 10-day maximum. QCI program costs are offset by known savings in TLA accounts.

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

- * 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.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

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

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

* Continue installation, operation, maintenance, and improvements of the Automated Civil Engineer System-Housing Module. (formerly identified as Housing Information Management System) an Air Force-wide computer system designed to assist in all phases of housing management. Ongoing initiatives include fielding 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.

Operation and Maintenance FY 2001 Program Summary - Highlights

Authorization/Appropriation is requested in FY 2001 for \$711,609. This amount, together with estimated reimbursements of \$10,840, will fund the FY 2001 Operation and Maintenance program of \$722,449.

A summary of the funding program for FY 2001 is as follows
(\$ in thousands):

<u>Operations Request</u>	<u>Utility Request</u>	<u>Maintenance Request</u>	<u>Total Direct Request</u>	<u>Reimburse- ment</u>	<u>Total Program</u>
\$124,194	\$158,959	\$428,456	\$711,609	\$10,840	\$722,449

Air Force Military Family Housing
Operation and Maintenance, Summary
(Excludes Leased Units and Costs)
FY 2001

EXHIBIT FH-2 WORLDWIDE

INVENTORY DATA	FY 99 WORLDWIDE		FY 00 WORLDWIDE		FY 01 WORLDWIDE	
UNITS IN BEGINNING of YEAR	109,385		110,326		107,700	
UNITS AT END of YEAR	110,326		107,700		104,544	
AVERAGE INVENTORY FOR YEAR	109,856		109,013		106,122	
FUNDING REQUIREMENTS (\$000)	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST
OPERATIONS (DIRECT)						
MANAGEMENT	\$55,923	\$509	\$57,142	\$524	\$55,685	\$525
SERVICES	\$26,515	\$241	\$28,325	\$260	\$27,997	\$264
FURNISHINGS	\$37,446	\$341	\$38,665	\$355	\$38,180	\$360
MISCELLANEOUS	\$2,507	\$23	\$2,365	\$22	\$2,332	\$22
SUBTOTAL - DIRECT OPERATIONS	\$122,391	\$1,114	\$126,497	\$1,160	\$124,194	\$1,170
Anticipated Reimbursements	\$1,682	\$15	\$1,705	\$16	\$1,734	\$16
GROSS OBLIGATIONS - OPERATIONS	\$124,073	\$1,129	\$128,202	\$1,176	\$125,928	\$1,187
DIRECT UTILITIES	\$153,535	\$1,398	\$161,120	\$1,478	\$158,959	\$1,498
Anticipated Reimbursements	\$8,079	\$74	\$8,091	\$74	\$8,238	\$78
GROSS OBLIGATIONS - UTILITIES	\$161,614	\$1,471	\$169,211	\$1,552	\$167,197	\$1,576
MAINTENANCE (DIRECT)						
DWELLINGS	\$293,806	\$2,674	\$281,480	\$2,582	\$297,117	\$2,800
EXT. UTILITIES	\$41,389	\$377	\$45,678	\$419	\$47,696	\$449
OTH REAL PROP	\$38,374	\$349	\$40,489	\$371	\$41,654	\$393
ALTER/ADDITIONS	\$36,217	\$330	\$40,354	\$370	\$41,989	\$396
SUBTOTAL - DIRECT MAINTENANCE	\$409,786	\$3,730	\$408,001	\$3,743	\$428,456	\$4,037
Anticipated Reimbursements	\$839	\$8	\$852	\$8	\$868	\$8
GROSS OBLIGATIONS - MAINTENANCE	\$410,625	\$3,767	\$408,853	\$3,750	\$429,324	\$4,046
TOTAL - DIRECT OPS & MAINTENANCE	\$685,712	\$6,242	\$695,618	\$6,381	\$711,609	\$6,706
Anticipated Reimbursements	\$10,442	\$95	\$10,648	\$98	\$10,840	\$102
TOTAL GROSS OPS & MAINTENANCE	\$696,154	\$6,337	\$706,266	\$6,479	\$722,449	\$6,808

Air Force Military Family Housing
Operation and Maintenance, Summary
(Excludes Leased Units and Costs)
FY 2001

EXHIBIT FH-2 CONUS

INVENTORY DATA	FY 99 CONUS		FY 00 CONUS		FY 01 CONUS	
UNITS IN BEGINNING of YEAR	76,508		77,338		76,051	
UNITS AT END of YEAR	77,338		76,051		73,322	
AVERAGE INVENTORY FOR YEAR	76,923		76,695		74,686	
FUNDING REQUIREMENTS (\$000)	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST
OPERATIONS (DIRECT)						
MANAGEMENT	\$38,597	\$502	\$39,721	\$518	\$38,699	\$518
SERVICES	\$16,363	\$213	\$17,697	\$231	\$17,506	\$234
FURNISHINGS	\$8,068	\$105	\$8,231	\$107	\$8,158	\$109
MISCELLANEOUS	\$599	\$8	\$610	\$8	\$604	\$8
SUBTOTAL - DIRECT OPERATIONS	\$63,627	\$827	\$66,259	\$864	\$64,967	\$870
Anticipated Reimbursements	\$1,229	\$16	\$1,248	\$16	\$1,270	\$17
GROSS OBLIGATIONS - OPERATIONS	\$64,856	\$843	\$67,507	\$880	\$66,237	\$887
DIRECT UTILITIES	\$79,666	\$1,036	\$84,224	\$1,098	\$83,119	\$1,113
Anticipated Reimbursements	\$5,921	\$77	\$5,924	\$77	\$6,032	\$81
GROSS OBLIGATIONS - UTILITIES	\$85,587	\$1,113	\$90,148	\$1,175	\$89,151	\$1,194
MAINTENANCE (DIRECT)						
DWELLINGS	\$171,861	\$2,234	\$167,937	\$2,190	\$173,741	\$2,326
EXT. UTILITIES	\$27,901	\$363	\$32,345	\$422	\$33,872	\$451
OTH REAL PROP	\$18,098	\$235	\$21,020	\$274	\$21,730	\$291
ALTER/ADDITIONS	\$13,898	\$181	\$17,225	\$225	\$17,760	\$238
SUBTOTAL - DIRECT MAINTENANCE	\$231,758	\$3,013	\$238,527	\$3,110	\$246,903	\$3,306
Anticipated Reimbursements	\$614	\$8	\$624	\$8	\$636	\$8
GROSS OBLIGATIONS - MAINTENANCE	\$232,372	\$3,021	\$239,151	\$3,118	\$247,539	\$3,314
TOTAL - DIRECT OPS & MAINTENANCE	\$375,051	\$4,876	\$389,010	\$5,072	\$394,989	\$5,289
Anticipated Reimbursements	\$7,606	\$101	\$7,796	\$102	\$7,938	\$106
TOTAL GROSS OPS & MAINTENANCE	\$382,657	\$4,977	\$396,806	\$5,174	\$402,927	\$5,395

Air Force Military Family Housing
Operation and Maintenance, Summary
(Excludes Leased Units and Costs)
FY 2001

EXHIBIT FH-2 FOREIGN

INVENTORY DATA	FY 99 FOREIGN		FY 00 FOREIGN		FY 01 FOREIGN	
UNITS IN BEGINNING of YEAR	28,014		26,151		24,832	
UNITS AT END of YEAR	26,151		24,832		24,447	
AVERAGE INVENTORY FOR YEAR	26,083		25,492		24,840	
FUNDING REQUIREMENTS (\$000)	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST
OPERATIONS (DIRECT)						
MANAGEMENT	\$13,361	\$512	\$13,411	\$526	\$12,941	\$525
SERVICES	\$7,817	\$300	\$8,266	\$324	\$8,109	\$329
FURNISHINGS	\$26,690	\$1,023	\$27,718	\$1,087	\$27,276	\$1,107
MISCELLANEOUS	\$1,896	\$73	\$1,743	\$68	\$1,718	\$70
SUBTOTAL - DIRECT OPERATIONS	\$49,764	\$1,908	\$51,138	\$2,006	\$50,042	\$2,031
Anticipated Reimbursements	\$381	\$15	\$384	\$15	\$390	\$16
GROSS OBLIGATIONS - OPERATIONS	\$50,145	\$1,923	\$51,522	\$2,021	\$50,432	\$2,047
DIRECT UTILITIES	\$53,959	\$2,069	\$56,568	\$2,219	\$55,405	\$2,249
Anticipated Reimbursements	\$1,813	\$70	\$1,821	\$71	\$1,854	\$75
GROSS OBLIGATIONS - UTILITIES	\$55,772	\$2,138	\$58,389	\$2,291	\$57,259	\$2,324
MAINTENANCE (DIRECT)						
DWELLINGS	\$94,412	\$3,620	\$86,337	\$3,387	\$95,126	\$3,861
EXT. UTILITIES	\$10,028	\$384	\$9,823	\$385	\$10,474	\$425
OTH REAL PROP	\$13,789	\$529	\$12,924	\$507	\$13,331	\$541
ALTER/ADDITIONS	\$17,544	\$673	\$17,319	\$679	\$18,364	\$745
SUBTOTAL - DIRECT MAINTENANCE	\$135,773	\$5,205	\$126,403	\$4,959	\$137,295	\$5,572
Anticipated Reimbursements	\$189	\$7	\$192	\$8	\$195	\$8
GROSS OBLIGATIONS - MAINTENANCE	\$135,962	\$5,213	\$126,595	\$4,966	\$137,490	\$5,580
TOTAL - DIRECT OPS & MAINTENANCE	\$239,496	\$9,182	\$234,109	\$9,184	\$242,742	\$9,852
Anticipated Reimbursements	\$2,383	\$91	\$2,397	\$94	\$2,439	\$99
TOTAL GROSS OPS & MAINTENANCE	\$241,879	\$9,273	\$236,506	\$9,278	\$245,181	\$9,951

Air Force Military Family Housing
Operation and Maintenance, Summary
(Excludes Leased Units and Costs)
FY 2001

EXHIBIT FH-2 OVERSEAS

INVENTORY DATA	FY 99 U S OVERSEAS		FY 00 U S OVERSEAS		FY 01 U S OVERSEAS	
UNITS IN BEGINNING of YEAR	6.863		6.837		6.817	
UNITS AT END of YEAR	6.837		6.817		6.775	
AVERAGE INVENTORY FOR YEAR	6.850		6.827		6.796	
FUNDING REQUIREMENTS (\$000)	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST	TOTAL COST	UNIT COST
OPERATIONS (DIRECT)						
MANAGEMENT	\$3,965	\$579	\$4,010	\$587	\$4,045	\$595
SERVICES	\$2,335	\$341	\$2,362	\$346	\$2,382	\$351
FURNISHINGS	\$2,688	\$392	\$2,716	\$398	\$2,746	\$404
MISCELLANEOUS	\$12	\$2	\$12	\$2	\$12	\$2
SUBTOTAL - DIRECT OPERATIONS	\$9,000	\$1,314	\$9,100	\$1,333	\$9,185	\$1,352
Anticipated Reimbursements	\$72	\$11	\$73	\$11	\$74	\$11
GROSS OBLIGATIONS - OPERATIONS	\$9,072	\$1,324	\$9,173	\$1,344	\$9,259	\$1,362
DIRECT UTILITIES	\$19,910	\$2,907	\$20,328	\$2,978	\$20,435	\$3,007
Anticipated Reimbursements	\$345	\$50	\$346	\$51	\$352	\$52
GROSS OBLIGATIONS - UTILITIES	\$20,255	\$2,957	\$20,674	\$3,028	\$20,787	\$3,059
MAINTENANCE (DIRECT)						
DWELLINGS	\$27,533	\$4,019	\$27,206	\$3,985	\$28,250	\$4,157
EXT. UTILITIES	\$3,460	\$505	\$3,510	\$514	\$3,550	\$522
OTH REAL PROP	\$6,487	\$947	\$6,545	\$959	\$6,593	\$970
ALTER/ADDITIONS	\$4,775	\$697	\$5,810	\$851	\$5,865	\$863
SUBTOTAL - DIRECT MAINTENANCE	\$42,255	\$6,169	\$43,071	\$6,309	\$44,258	\$6,512
Anticipated Reimbursements	\$36	\$5	\$36	\$5	\$37	\$5
GROSS OBLIGATIONS - MAINTENANCE	\$42,291	\$6,174	\$43,107	\$6,314	\$44,295	\$6,518
TOTAL - DIRECT OPS & MAINTENANCE	\$71,165	\$10,389	\$72,499	\$10,619	\$73,878	\$10,871
Anticipated Reimbursements	\$453	\$66	\$455	\$66	\$463	\$68
TOTAL GROSS OPS & MAINTENANCE	\$71,618	\$10,455	\$72,954	\$10,686	\$74,341	\$10,939

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

REAL PROPERTY MAINTENANCE ACTIVITIES				FY01
OPERATION AND MAINTENANCE COSTS				
				Exhibit: FH-5
	Fiscal Year:	1999	2000	2001
Historic Housing Costs				
A. Number of Units		1,052	1,052	1,043
B. Improvements (\$000)		0	0	0
C. Maintenance and Repair (\$000)		7,154	6,304	10,782
Total Historic Maintenance, Repair, Improvements (\$000)		7,154	6,304	10,782

For over 10 years the Air Force has applied a special effort to decrease operation and maintenance costs in high cost quarters. Aggressive management of the maintenance, repair, and improvements has allowed the Air Force to hold costs for historic housing near the cost for the average unit.

Increased Maintenance and Repair costs in FY01 are the result of restoration projects for historical units at several installations to include the repair of 9 units at Pope AFB, NC and 37 units at F.E. Warren AFB, WY.

OPERATIONS

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

RECONCILIATION OF INCREASES AND DECREASES

EXHIBIT OP-5

OPERATIONS

(Program In Thousands)
FY 2001 Program \$124,194
FY 2000 Program \$126,497

The FY 2001 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 structure changes and mission realignments. All program sub-accounts are described in detail in the following analyses:

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

Management. The Management account includes installation-level housing office operations, quality assurance, 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 homes in the private sector and implements the Fair Housing Act of 1968.

	(\$ in Thousands)
1. FY 2000 President's Budget	\$56,413
2. Congressional Adjustments:	\$0
3. FY 2000 Appropriated Amount:	\$56,413
4. Supplementals:	None
5. Price Growth:	None
6. Functional Program Transfers:	None
7. Program Increases:	
a. Family Housing Master Plan Implementation	\$729
8. Program Decreases:	None
9. FY00 Current Estimate	\$57,142
10. Price Growth:	
a. Inflation	\$857
b. Foreign Currency Fluctuation Rate Adjustment	-\$219
11. Functional Program Transfer:	\$0
12. Program Increases:	None
13. Program Decreases	
a. Inventory decrease (2,947 units). [\$1,547K].	-\$2,095
b. Non-recurring privatization feasibility studies, diminished cost of management and referral services as competitive sourcing increases. [\$548K].	
14. FY 2001 Budget Request:	\$55,685

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

Analysis of Change in Management

The Management sub-account consists of predominately fixed costs such as salaries and required administrative support supplies and equipment. As part of our management activity, we are completing development of new computer-based work tools to improve customer service and management of resources. This effort includes implementation of the Automated Civil Engineer System-Housing Module. This system improves customer services and data sharing for overall program management and also provides interactive training.

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, and supports the Family Housing Master Plan, which is the source document for future housing decisions.

As civil engineer services are competitively sourced, we anticipate small decreases in management and referral service costs.

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.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

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, and provide spill/overflow protection and corrosion control are also covered within this account.

(\$ in Thousands)

1.	FY 2000 President's Budget	\$31,450
2.	Congressional Adjustments:	\$0
3.	FY 2000 Appropriated Amount:	\$31,450
4.	Supplementals:	None
5.	Price Growth:	None
6.	Functional Program Transfers:	None
7.	Program Increases:	None
8.	Program Decreases: Stabilizing of recycling plans and adjustment to a security contract	-\$3,125
9.	FY00 Current Estimate	\$28,325
10.	Price Growth:	
	a. Inflation	\$425
	b. Foreign Currency Fluctuation Rate Adjustment	-\$110
11.	Functional Program Transfer:	None
12.	Program Increases: Environmental Program Initiatives	\$123
13.	Program Decreases:	
	a. Inventory decrease (2,947 units)	-\$766
14.	FY 2001 Budget Request:	\$27,997

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

Analysis of Changes in Services

The Services budget request has been increased for environmental program initiatives such as lead-based paint and asbestos removal and corrosion controls efforts. Inventory decreases also drive decreases in the funds requested.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

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 2001 Budget reflects the Congressional desire for increased burden sharing with foreign governments.

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), dish cabinets or sideboards and appliances, are also issued to military families.

Leases in Europe also require closets and dish 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 or cost effective way to fulfill Air Force requirements. Issue of furnishings by the government avoids higher costs in other accounts such as military allowances and other support appropriations.

	(\$ in Thousands)
1. FY 2000 President's Budget	\$36,997
2. Congressional Adjustments:	\$0
3. FY 2000 Appropriated Amount:	\$36,997
4. Supplementals:	None
5. Price Growth:	None
6. Functional Program Transfers:	None

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

7.	Program Increases:	
	Mission realignment and increased operations furnishings support in PACAF and USAFE	\$1,668
8.	Program Decreases:	None
9.	FY00 Current Estimate	\$38,665
10.	Price Growth:	
	a. Inflation	\$580
	b. Foreign Currency Fluctuation Rate Adjustment	-\$150
11.	Functional Program Transfer:	None
12.	Program Increase: Mission realignment and increased operations furnishings support in PACAF and USAFE	\$131
13.	Program Decreases:	
	Inventory decrease (2,947 units)	-\$1,046
14.	FY 2001 Budget Request:	\$38,180

Analysis of Changes in Furnishings

This request addresses the needs of newly constructed and leased housing units being added to the Air Force inventory to compensate for housing deficits. For example, mission requirements and realignments have resulted in the build-up of activities at several locations in Europe, to include increases in concurrent family travel at RAF Lakenheath, England. Funding is required to support initial issue requirements for the Lakenheath build-to-lease units coming on line in FY2001. With more families at these locations to support, the furnishings requirements have increased.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

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 2000 President's Budget	\$2,640
2.	Congressional Adjustments:	None
3.	FY 2000 Appropriated Amount:	\$2,640
4.	Supplementals:	None
5.	Price Growth:	None
6.	Functional Program Transfers:	None
7.	Program Increases:	None
8.	Program Decreases: Greater than anticipated savings in country-to-country agreements in Australia	-\$275
9.	FY00 Current Estimate	\$2,365
10.	Price Growth:	
	a. Inflation	\$35
	b. Foreign Currency Fluctuation Rate Adjustment	-\$3
11.	Functional Program Transfer:	None
12.	Program Increases:	None
13.	Program Decreases:	
	Overall Air Force inventory decrease of 2,947 units	-\$65
14.	FY 2001 Budget Request:	\$2,332

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

Analysis of Changes in Miscellaneous

This stable program covers incidental costs in support of family housing. Costs of the host country agreement with Australia are decreasing as the requirement for homes supporting operations is reducing. In addition, miscellaneous costs include implementation of the International Cooperative Administrative Support Services (ICASS) Program. ICASS is a 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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UTILITIES

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

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. MFH facilities consume approximately one-fifth of Air Force facility energy usage; therefore, MFH residents and management share a significant role in the achievement of Air Force energy reduction goals. Since MFH occupants are not billed for their energy consumption, conservation motivation comes primarily from 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 2000 President's Budget	\$160,117
2.	Congressional Adjustments:	None
3.	FY 2000 Appropriated Amount:	160,117
4.	Supplementals:	None
5.	Price Growth:	None
6.	Functional Program Transfers:	None
7.	Program Increases: Rate increases/privatization expenses	\$1,003
8.	Program Decreases:	None
9.	FY00 Current Estimate	161,120
10.	Price Growth:	
	a. Inflation	\$2,417
	b. Foreign Currency Fluctuation Rate Adjustment	-\$628
	c. Fossil Fuel Price Fluctuations	\$2,400
11.	Functional Program Transfer:	None

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

12.	Program Increases:	None
13.	Program Decreases:	
	a. Increased emphasis on conservation in accordance with Air Force energy reduction and utility savings goals	-\$1,995
	b. Inventory decrease (2,947 units)	-\$4,355
14.	FY 2001 Budget Request:	\$158,959

Analysis of Changes in Utilities

The requirement for FY 2001 is based on historical obligation trends which continue to be influenced by energy conservation savings resulting from whole-house improvements and energy conservation projects. Privatization of utility service lines and activity will cause some localized increases in per-unit costs. Yet, this downward cost trend is expected to continue as the Air Force strives to meet aggressive utility savings goals. In general, the continuing trend for utilities is cost growth below normal inflation as a result of on-going initiatives to conserve energy. Air Force goals continue to emphasize a reduction in energy consumption and costs through conversion to natural gas and installation of energy saving materials in housing units. For the majority of locations, utility rates are stable. Continued conservation efforts allow reduced consumption and costs. Also, inventory decreases contribute to decreases in the funds requested.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

Projected Energy Consumption Family Housing Summary of Utility Detail		Fiscal Year: 2001		
		Exhibit: FH-10		
	Fiscal Year:	1999	2000	2001
TOTAL COST OF UTILITIES (\$000) (Dollar amounts of program)		156,051	161,120	158,959
UTILITY QUANTITIES OF COMMODITIES				
Electricity (KwH)		604,187,807	599,008,709	587,531,539
Heating				
Gas (CF)		2,566,960,675	2,545,714,252	2,524,548,709
Fuel Oil		3,000	3,000	3,000
Residuals (BBLS)		5,100	4,975	4,851
Distillates (BBLS)		271,073	256,301	250,002
Purchased Steam (MBTU)		605,484	605,385	605,385
Heat Plants Coal Fired (MBTU)		701,838	640,675	673,421
Heat Plants Other Than Gas, Oil, Coal (MBTU)		0	0	0
Propane (BBLS)		1,049	1,085	1,074
Water (Kgal)		18,440,730	18,269,614	18,727,439
Sewage (Kgal)		13,329,489	13,103,135	13,118,155

The consumption stream shown in the table above is consistent with consumption and costs through conversion to natural gas and installation of energy-saving materials and equipment in housing units.

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DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

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 2000 President's Budget	\$412,233
2.	Congressional Adjustment: Congressional Recission [-\$4,232K]	-\$4,232
3.	FY 2000 Projected Appropriated Amount:	\$408,001
4.	Supplementals:	None
5.	Price Growth:	None
6.	Functional Program Transfers:	None
7.	Program Increases:	None
8.	Program Decreases:	None
9.	FY00 Current Estimate	\$408,001
10.	Price Growth:	
11.	a. Inflation	\$6,120
	b. Foreign Currency Fluctuation Rate Adjustment	-\$1,686
12.	Functional Program Transfer:	None
13.	Program Increases: Increased emphasis on maintenance and repair to minimize escalating growth in the backlog of Deferred Maintenance and Repair.	\$27,051
14.	Program Decreases: Inventory Decrease (2,947 units)	-\$11,030
15.	FY 2001 Budget Request:	\$428,456

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

Analysis of Changes in Maintenance Program

The maintenance account reflects Air Force Family Housing Master Plan (AF FHMP) priorities and attempts to arrest growth of our deferred housing maintenance and repair requirements within fiscal constraints. Unfortunately we have not eliminated our deferred maintenance and repair backlog. In 1999 we projected 61,000 inadequate units. Yet, after two years of strong congressional support of military family housing programs, the recent analysis of Air Force housing accomplished by architectural and engineering firms during the AF FHMP data gathering process, indicates that due to deferring maintenance and repair, we have made little headway in reducing the number of inadequate units. As of FY2001, the AF FHMP projects the need to revitalize approximately 65,000 inadequate houses.

The AF FHMP draws a distinct line between military construction and maintenance funding. Architect and engineering firms have gathered housing condition assessment data on every housing type in the Air Force. This data documents the existing condition of major housing system components (ex: roofs, furnaces, carpets, windows, cabinets) and then, using industry standard life cycles, projects the replacement requirement for these components (ex: roof: 15-20 years; gas furnace: 20 years). The overall condition of housing components and replacement costs determine whether each requirement is projected for replacement using military construction or maintenance funding. This database is then used to project future facility funding requirements for both construction and maintenance funding.

Air Force assets are valued at over \$16.5 billion in replacement costs. Limited maintenance funding and a high occupant turnover have accelerated deterioration of the Air Force housing inventory. Many of the homes were built in the 1950s and 1960s and have never received system upgrades. Constrained funding has resulted in a greater reliance on more costly, temporary fixes which only exacerbate the deterioration of our housing units. Notably, the infrastructure systems such as streets and sewers that support the units are now beyond their projected economic lives at most installations, with several systems near failure.

Housing condition assessments conducted for the AF FHMP substantiate that a failure to adequately fund maintenance and repair eventually leads to increased military construction costs. The maintenance and repair funding profile represents a balanced, fiscally constrained program of available funds.

Installation commanders have expressed concern about family housing and its impact on personnel performing the mission on their installations. In a Quality of Life Survey, family housing received the highest ranked response at 73%, far outpacing the next highest concern, which was health care at 34%. Installation Commanders concern for family housing was so high that they 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.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

Consistent with DOD and Congressional concerns, the Air Force is actively pursuing means to reduce the deferred maintenance and repair (DMAR) backlog. The Air Force's goal is to reduce the end-of-year backlog to one year's normal recurring maintenance and repair of our dwellings to ensure availability of quarters that meet community standards. The method we use to measure our effectiveness against this standard is to track the impact of the funded program against DMAR. 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 that 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 DMAR.

The Air Force has initiated a whole-house/whole-neighborhood concept to determine total funding required to bring existing facilities up to standards. This concept combines all improvements with required maintenance and repairs into one project, minimizing quarters downtime and disruption to residents due to piece-meal work. 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 into 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, which can produce positive leverage on retention and readiness.

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**MAINTENANCE &
REPAIR OVER \$20K**

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

FAMILY HOUSING REPAIRS - NON GOQ UNITS
(EXCEEDING \$20,000 MAJOR MAINTENANCE AND REPAIR THRESHOLD)

This information complies with Congressional direction that requires the Services to report major maintenance and repair expenditures projected to exceed \$20,000 per unit. While these projects are shown as line items here, the maintenance budget estimate includes them among overall requirements for the entire inventory. 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.

CONUS

<u>Location</u>	<u>No Units</u>	<u>Year Built</u>	<u>High Unit Cost (\$000)</u>	<u>Unit (NSM)</u>	<u>Proj (NSM)</u>	<u>Total Cost (\$000)</u>	<u>Improvements Non-Routine FY1996-2000 (\$000)</u>
<u>ALABAMA</u>							
<u>Maxwell</u>	8	1970	82.5	144	1,295	660	0

Narrative: Upgrades kitchens to include: cabinets, counter tops, plumbing, light fixtures, and flooring. Replaces doors (interior and exterior), windows and carpeting. Upgrades HVAC and water heaters and upgrades exterior by replacing siding and fascia.

CALIFORNIA

<u>Beale</u>	25	1960	70	123	3,075	1,750	0

Narrative: Replaces kitchen appliances, installs dishwashers, replaces flooring, bathroom finishes, and fixtures. Replaces doors and installs closet organizers. Replaces deteriorated exterior siding and doors. Replaces windows with energy-conserving models. Installs additional wall insulation. Abates asbestos and lead-based paint.

<u>Los Angeles</u>	32	1982-85	31	154-176	5,632	800	0

Narrative: Repairs and reconfigures kitchens; replaces countertops and cabinets; replaces flooring; provides adequate lighting and storage; provides hard-wired smoke detectors to allow annunciation on the base-wide system.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

FAMILY HOUSING REPAIRS - NON GOQ UNITS
(EXCEEDING \$20,000 THRESHOLD)

<u>Location</u>	<u>No Units</u>	<u>Year Built</u>	<u>High Unit Cost (\$000)</u>	<u>Unit (NSM)</u>	<u>Proj (NSM)</u>	<u>Total Cost (\$000)</u>	<u>Improvements Non-Routine FY1996-2000 (\$000)</u>
<u>Travis</u>	39	1958	52	126	4,914	2,028	0

Narrative: Repairs finishes to kitchen cabinets, flooring, doors and hardware. Repairs electrical/mechanical systems, installs smoke detectors, and replaces outdated light fixtures. Finishes walls with texture and painting. Replaces bathroom fixtures. Repairs drainage problems including routing of downspouts to the street gutters and adjusting grading around units. Replaces cracked patio slabs and driveway slabs.

<u>Travis</u>	107	1957	21	126-158	13,573	1,765.5	0

Narrative: Replaces inefficient and outdated evaporative coolers with state-of-the-art air conditioning units.

COLORADO

<u>USAF Academy</u>	8	1958	86	205	1,640	640	0

Narrative: Repairs interiors, replace electrical service, plumbing fixtures, cabinets and countertops; relocate laundry facilities; relocates bathroom entrances; removes freestanding fireplaces; provides windows in bedrooms which lack windows; replaces roofs and siding where required; and provides landscaping enhancements.

DISTRICT OF
COLUMBIA

<u>Bolling AFB</u>	2	1975	23	120	240	46	0

Narrative: Repair foundation walls to prevent basement flooding: excavate near foundations, seal foundation walls, provide drainage system, and install sump pumps in basements.

FLORIDA

<u>Tyndall</u>	10	1969	55	105	1,047	550	0

Narrative: Renovates kitchen and baths and replace interior doors and stove. Relocates mechanical room for exterior access. Installs ground fault circuit-interrupters (GFCI), carpeting, tile flooring, and dishwashers.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

FAMILY HOUSING REPAIRS - NON GOQ UNITS
(EXCEEDING \$20,000 THRESHOLD)

<u>Location</u>	<u>No Units</u>	<u>Year Built</u>	<u>High Unit Cost (\$000)</u>	<u>Unit (NSM)</u>	<u>Proj (NSM)</u>	<u>Total Cost (\$000)</u>	<u>Improvements Non-Routine FY1996-2000 (\$000)</u>
<u>Patrick</u>	110	1995	20	130	14,300	2,200	0

Narrative: Due to poor construction, leaks have developed around windows and construction joints resulting in water damage to the structure and occupants' belongings. This is one of four phases to repair exterior stucco and replace windows in the North and Central housing areas.

IDAHO

<u>Mtn Home</u>	3	1959	120	185	555	360	0

Narrative: Replaces doors, windows, floors, roofs, including gutters, fascia, downspouts, new HVAC, new siding. Replaces fencing, electrical upgrade and landscaping.

ILLINOIS

<u>Scott</u>	18	1931	22	125	2,250	396	0

Narrative: Complete replacement of slate roofs of historic housing units.

KANSAS

<u>McConnell</u>	47	1959	80	88-158	5,422	2,301	0

Narrative: Repairs fire/life safety deficiencies, including installation of draft stops between duplex units, replacement of electrical system, and replacement of basement window with escapable-daylight window. Replaces deteriorated wood floors, driveways/sidewalks/stoops, and exterior fascia material. Relocates laundry and storage areas in basement. Improves bathrooms as needed.

NEBRASKA

<u>Offutt</u>	19	1961	35	238	4,522	532	0

Narrative: Waterproofs basements and foundations, installs foundation drainage, regrades around dwelling, and repairs gutters and downspouts.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

FAMILY HOUSING REPAIRS - NON GOQ UNITS
(EXCEEDING \$20,000 THRESHOLD)

<u>Location</u>	<u>No Units</u>	<u>Year Built</u>	<u>High Unit Cost (\$000)</u>	<u>Unit (NSM)</u>	<u>Proj (NSM)</u>	<u>Total Cost (\$000)</u>	<u>Improvements Non-Routine FY1996-2000 (\$000)</u>

NORTH
CAROLINA

<u>Pope</u>	8	1933	250	226	1,810	1,704	0

Narrative: NRHP registered units with no major restoration since 1933. Replaces the original utilities that are inefficient, well beyond their useful lives and do not meet current building codes. Replaces interior fixtures and finishes that are deteriorated and have multiple layers of peeling lead-based paints. Repairs kitchens, bathrooms, wall and floor coverings, windows, exterior walls, and increases HVAC efficiency.

NORTH
DAKOTA

<u>Grand Forks</u>	30	1964	67	115	3,450	2,010	25

Narrative: Repairs to contemporary standards interiors, including heating, air conditioning, electric service, attic ventilation and insulation, basement drain tile, smoke detection. Relocates laundry rooms from basement and creates arctic recreation space in basement.

OHIO

<u>Wright-Patterson</u>	45	1970	20	105	4,725	900	0

Narrative: Repairs kitchens, including replacing kitchen cabinets, sinks, faucets, counter tops, range hoods, garbage disposals, light fixtures and flooring. Repairs bathrooms, including replacing vanities, sinks, faucets, light fixtures, medicine cabinets, exhaust fans, flooring, tub and shower enclosures. Paints kitchen and bath ceilings and walls.

<u>Wright-Patterson</u>	50	1970	22	104	5,200	1,100	0

Narrative: Repairs exteriors, including replacing siding, roofs, roof flashing, gutters, and downspouts. Replaces windows with new energy-efficient windows. Replaces exterior light fixtures, door bells, and range exterior hood vents. Repairs sidewalks, curbs, and steps. Replaces rear service doors, jambs, and locks on garages. Tuckpoint masonry. Constructs new gables and dormers, repair eaves, and construct new patio door covers.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

FAMILY HOUSING REPAIRS - NON GOQ UNITS
(EXCEEDING \$20,000 THRESHOLD)

<u>Location</u>	<u>No Units</u>	<u>Year Built</u>	<u>High Unit Cost (\$000)</u>	<u>Unit (NSM)</u>	<u>Proj (NSM)</u>	<u>Total Cost (\$000)</u>	<u>Improvements Non-Routine FY1996-2000 (\$000)</u>
<u>OKLAHOMA</u>							
<u>Altus</u>	22	1977	63	126	2,772	1,386	0
Narrative: Replaces electrical, heating, and air conditioning systems. Renovates kitchens and bathrooms. Installs carpet and replaces floor tile.							
<u>SOUTH CAROLINA</u>							
<u>Charleston</u>	31	1959	80	130	4,030	1,550	0
Narrative: Removes and replaces kitchen cabinets, appliances, light fixtures, electrical switches and receptacles. Renovates bathrooms to include demolition, installation of new vanities, tubs, toilets, ceramic tile, light fixtures and electrical switches and receptacles. Replaces water and sewer lines.							
<u>TEXAS</u>							
<u>Brooks</u>	32	1962	28	154	4,928	864	0
Narrative: Installs vinyl siding over deteriorating exterior wood surfaces. Replaces leaking roofs, gutters, and downspouts. Replaces exterior doors. Replaces existing windows with energy-efficient double-pane windows. Abates lead-based paint.							
<u>VIRGINIA</u>							
<u>Langley</u>	20	1960	43	143	2,860	780	0
Narrative: Repairs bathrooms and kitchens including electrical, mechanical and plumbing repairs. Replaces cabinets, sinks, appliances, fixtures, and finishes. Remediates asbestos and lead-based paint.							
<u>WASHINGTON</u>							
<u>McChord</u>	26	1958	77	116	3,016	2,002	0
Narrative: Replaces and/or repairs plumbing, heating, insulation, electrical wiring, lighting, windows, doors, siding, roofs, and respective driveways, sidewalks, and attached/detached carports. Remodels existing bathrooms and interior to modern contemporary standard.							

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

FAMILY HOUSING REPAIRS - NON GOQ UNITS
(EXCEEDING \$20,000 THRESHOLD)

<u>Location</u>	<u>No Units</u>	<u>Year Built</u>	<u>High Unit Cost (\$000)</u>	<u>Unit (NSM)</u>	<u>Proj (NSM)</u>	<u>Total Cost (\$000)</u>	<u>Improvements Non-Routine FY1996-2000 (\$000)</u>
<u>WYOMING</u>							
<u>F.E. Warren</u>	2	1910	39	253	506	78	0
Narrative: Replaces the roof over a duplex containing two housing units. The roof has failed and leaks excessively.							
<u>F.E. Warren</u>	7	1900	35	253	1,771	245	0
Narrative: Repairs the wooden porches which have deteriorated and must be repaired per the National Historic Preservation Act (NHPA).							
<u>F.E. Warren</u>	37	1900-1910	75	253	9,361	2,068.3	0
Narrative: This project is the first of five phases to accomplish comprehensive repairs to 156 historic MFH units. Each phase will address requirements specific to units contained in that phase, but may address requirements for roofing, windows, paint, brick tuckpoint, porches, exterior woodwork, plumbing, heating, electrical and structural work.							
<u>OVERSEAS</u>							
<u>ALASKA</u>							
<u>Eielson</u>	48	1948	30	120	5,760	1,296	313
Narrative: Replaces deteriorated domestic heating system to include piping, valves, pumps, heat exchangers, fin-tube units, and hot water generators.							
<u>GUAM</u>							
<u>Andersen</u>	96	1949	34	139	13,344	2,700	0
Narrative: Replaces air conditioning units with energy efficient models. Provides screen around exterior of unit to protect occupants from noise.							

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

FAMILY HOUSING REPAIRS - NON GOQ UNITS
(EXCEEDING \$20,000 THRESHOLD)

<u>Location</u>	<u>No Units</u>	<u>Year Built</u>	<u>High Unit Cost (\$000)</u>	<u>Unit (NSM)</u>	<u>Proj (NSM)</u>	<u>Total Cost (\$000)</u>	<u>Improvements Non-Routine FY1996-2000 (\$000)</u>
<u>HAWAII</u>							
<u>Hickam</u>	29	1916	79	240	6,960	1,831	944
Narrative: Repairs historical units to include cabinets, counter tops, range hoods and flooring; repairs bathrooms to include tub/shower, lavatories, vanities, cabinets and flooring; repairs plumbing and electrical fixtures and systems; repairs roofs; and removes/abates environmental hazards.							
<u>Hickam</u>	4	1921	88	369	1,476	278	130
Narrative: Repairs historical units to include cabinets, counter tops, range hoods and flooring; repairs bathrooms to include tub/shower, lavatories, vanities, cabinets and flooring; repairs plumbing and electrical fixtures and systems; repairs roofs; and removes/abates environmental hazards.							
<u>JAPAN</u>							
<u>Kadena</u>	152	1979	25	107	16,264	3,192	0
Narrative: Phase 4 of kitchen repair project, to include replacement of cabinets, countertops, fixtures, electrical systems, appliances, and flooring.							
<u>Kadena</u>	3	1953	113	123	369	270	0
Narrative: Replaces roof to include demolition of existing tile roof, wooden trusses, ceiling and electrical lighting system, mechanical HVAC/domestic hot water systems; constructs concrete roof replacement.							
<u>Kadena</u>	136	1985	21	122	16,592	2,100	0
Narrative: Replaces waterlines, boilers and chillers to include piping, affected ceiling/floor/walls and electrical/mechanical system.							

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DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

GENERAL OFFICER QUARTERS
(EXCEEDING \$25,000 THRESHOLD)

This information complies 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 has increased 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 \$20,000 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 maintenance and repair, alterations, asbestos and lead based paint abatement and operations costs anticipated for FY 2001 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>NSM</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>FY1996-2000</u> (\$000)

CALIFORNIA

<u>Beale</u>	2306	219	1960	3	2.5	75	80.5	75	0

Narrative: Installs new windows and doors. Replaces deteriorated siding, installs insulation and performs all necessary asbestos and lead-based paint abatement. Upgrades kitchen and bathroom cabinets.

<u>Los Angeles</u>	1	238	1918	6	3	96	105	96	29

Narrative: Replaces the west wing family room due to the foundation settling and the room pulling away from the main house structure. The room needs to be demolished, the soil excavated, reinstalled, and compacted and then the room rebuilt.

COLORADO

<u>USAF</u> <u>Academy</u>	6950	1073	1895	10	8.1	46.5	64.6	46.5	0

Provides routine maintenance and repair for the "Otis House", an 11,553 square foot home. The amount is based on historical records. No single item is planned to exceed the \$25K limit.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 2001 BUDGET REQUEST

GENERAL OFFICER QUARTERS
(EXCEEDING \$25,000 THRESHOLD)

<u>Location</u>	<u>Qtrs</u> <u>ID</u>	<u>Size</u> <u>NSM</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>FY1996-2000</u> <u>(\$000)</u>
<u>USAF</u> <u>Academy</u>	6776	1008	1935	20	3	55	78	55	2

Narrative: Provides routine maintenance and repair (M&R) for the "Carlton House", a 10,846 square foot residence which is home of the Air Force Academy Superintendent. The M&R amount is based on historical records. No single item is planned to exceed the \$25K limit.

<u>Peterson</u>	7108	194	1965	1	2.0	37.4	40.4	37.4	3.2

Narrative: Replaces existing window with energy conservative windows to reduce long-term utility costs.

<u>Peterson</u>	7111	194	1965	1	2.8	34.3	38.1	34.3	0

Narrative: Replaces existing window with energy conservative windows to reduce long-term utility costs.

<u>Peterson</u>	7112	194	1965	1	2.8	34.3	38.1	34.3	0

Narrative: Replaces existing window with energy conservative windows to reduce long-term utility costs.

<u>Peterson</u>	7485	194	1969	5	2.7	33.1	40.8	33.1	0

Narrative: Replaces existing window with energy conservative windows to reduce long-term utility costs.

DISTRICT OF
COLUMBIA

<u>Bolling AFB</u>	22	225	1933	7	1.5	75	83.5	75	0

Narrative: Repair foundation walls to prevent basement flooding: excavate near foundations, seal foundation walls, provide drainage system, and install sump pumps in basements.

<u>Bolling AFB</u>	23	225	1933	7	1.5	75	83.5	75	0

Narrative: Repair foundation walls to prevent basement flooding: excavate near foundations, seal foundation walls, provide drainage system, and install sump pumps in basements.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 2001 BUDGET REQUEST

GENERAL OFFICER QUARTERS
(EXCEEDING \$25,000 THRESHOLD)

<u>Location</u>	<u>Qtrs ID</u>	<u>Size NSM</u>	<u>Year Built</u>	<u>Oper Total (\$000)</u>	<u>Util Total (\$000)</u>	<u>Maint Total (\$000)</u>	<u>Total O&M (\$000)</u>	<u>Unit Maint Limit (\$000)</u>	<u>Improvements Non-Routine FY1996-2000 (\$000)</u>
<u>Bolling AFB</u>	24	225	1933	7	1.5	75	83.5	75	0
Narrative: Repair foundation walls to prevent basement flooding: excavate near foundations, seal foundation walls, provide drainage system, and install sump pumps in basements.									
<u>Bolling AFB</u>	25	225	1933	7	1.5	75	83.5	75	0
Narrative: Repair foundation walls to prevent basement flooding: excavate near foundations, seal foundation walls, provide drainage system, and install sump pumps in basements.									
<u>Bolling AFB</u>	26	225	1933	7	1.5	75	83.5	75	0
Narrative: Repair foundation walls to prevent basement flooding: excavate near foundations, seal foundation walls, provide drainage system, and install sump pumps in basements.									
<u>Bolling AFB</u>	27	225	1933	7	1.5	75	83.5	75	0
Narrative: Repair foundation walls to prevent basement flooding: excavate near foundations, seal foundation walls, provide drainage system, and install sump pumps in basements.									
<u>Bolling AFB</u>	28	225	1933	7	1.5	75	83.5	75	0
Narrative: Repair foundation walls to prevent basement flooding: excavate near foundations, seal foundation walls, provide drainage system, and install sump pumps in basements.									
<u>Bolling AFB</u>	29	225	1933	7	1.5	75	83.5	75	0
Narrative: Repair foundation walls to prevent basement flooding: excavate near foundations, seal foundation walls, provide drainage system, and install sump pumps in basements									
<u>Bolling AFB</u>	30	225	1933	7	1.5	75	83.5	75	0
Narrative: Repair foundation walls to prevent basement flooding: excavate near foundations, seal foundation walls, provide drainage system, and install sump pumps in basements.									
<u>Bolling AFB</u>	31	225	1933	7	1.5	75	83.5	75	0
Narrative: Repair foundation walls to prevent basement flooding: excavate near foundations, seal foundation walls, provide drainage system, and install sump pumps in basements.									
<u>Bolling AFB</u>	32	225	1933	7	1.5	75	83.5	75	0
Narrative: Repair foundation walls to prevent basement flooding: excavate near foundations, seal foundation walls, provide drainage system, and install sump pumps in basements.									

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 2001 BUDGET REQUEST

GENERAL OFFICER QUARTERS
(EXCEEDING \$25,000 THRESHOLD)

<u>Location</u>	<u>Qtrs ID</u>	<u>Size NSM</u>	<u>Year Built</u>	<u>Oper Total (\$000)</u>	<u>Util Total (\$000)</u>	<u>Maint Total (\$000)</u>	<u>Total O&M (\$000)</u>	<u>Unit Maint Limit (\$000)</u>	<u>Improvements Non-Routine FY1996-2000 (\$000)</u>
<u>Bolling AFB</u>	62	284	1933	7	2	79	88	79	0
Narrative: Repair foundation walls to prevent basement flooding: excavate near foundations, seal foundation walls, provide drainage system, and install sump pumps in basements.									
<u>Bolling AFB</u>	63	284	1933	7	2	79	88	79	0
Narrative: Repair foundation walls to prevent basement flooding: excavate near foundations, seal foundation walls, provide drainage system, and install sump pumps in basements.									
<u>Bolling AFB</u>	64	226	1933	7	2	79	88	79	0
Narrative: Repair foundation walls to prevent basement flooding: excavate near foundations, seal foundation walls, provide drainage system, and install sump pumps in basements.									
<u>Bolling AFB</u>	65	226	1933	7	2	79	88	79	0
Narrative: Repair foundation walls to prevent basement flooding: excavate near foundations, seal foundation walls, provide drainage system, and install sump pumps in basements.									
<u>Bolling AFB</u>	66	226	1933	7	2	79	88	79	0
Narrative: Repair foundation walls to prevent basement flooding: excavate near foundations, seal foundation walls, provide drainage system, and install sump pumps in basements.									
<u>Bolling AFB</u>	67	226	1933	7	2	79	88	79	0
Narrative: Repair foundation walls to prevent basement flooding: excavate near foundations, seal foundation walls, provide drainage system, and install sump pumps in basements.									
<u>Bolling AFB</u>	68	226	1933	7	2	79	88	79	0
Narrative: Repair foundation walls to prevent basement flooding: excavate near foundations, seal foundation walls, provide drainage system, and install sump pumps in basements.									
<u>Bolling AFB</u>	69	226	1933	7	2	79	88	79	0
Narrative: Repair foundation walls to prevent basement flooding: excavate near foundations, seal foundation walls, provide drainage system, and install sump pumps in basements.									
<u>Bolling AFB</u>	70	226	1933	7	2	79	88	79	0
Narrative: Repair foundation walls to prevent basement flooding: excavate near foundations, seal foundation walls, provide drainage system, and install sump pumps in basements.									

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 2001 BUDGET REQUEST

GENERAL OFFICER QUARTERS
(EXCEEDING \$25,000 THRESHOLD)

<u>Location</u>	<u>Qtrs ID</u>	<u>Size NSM</u>	<u>Year Built</u>	<u>Oper Total (\$000)</u>	<u>Util Total (\$000)</u>	<u>Maint Total (\$000)</u>	<u>Total O&M (\$000)</u>	<u>Unit Maint Limit (\$000)</u>	<u>Improvements Non-Routine FY1996-2000 (\$000)</u>
<u>Bolling AFB</u>	71	226	1933	7	2	79	88	79	0
Narrative: Repair foundation walls to prevent basement flooding: excavate near foundations, seal foundation walls, provide drainage system, and install sump pumps in basements.									
<u>Bolling AFB</u>	72	226	1933	7	2	79	88	79	0
Narrative: Repair foundation walls to prevent basement flooding: excavate near foundations, seal foundation walls, provide drainage system, and install sump pumps in basements.									
<u>Bolling AFB</u>	73	226	1933	7	2	79	88	79	0
Narrative: Repair foundation walls to prevent basement flooding: excavate near foundations, seal foundation walls, provide drainage system, and install sump pumps in basements.									
<u>Bolling AFB</u>	74	226	1933	7	2	79	88	79	0
Narrative: Repair foundation walls to prevent basement flooding: excavate near foundations, seal foundation walls, provide drainage system, and install sump pumps in basements.									
<u>Bolling AFB</u>	75	141	1975	7	2	64	73	64	0
Narrative: Replace deteriorated, leaking windows with energy-conserving windows. Repair water damaged interior walls and surfaces, insulation, wiring, and trim. Replace façade siding.									
<u>Bolling AFB</u>	77	141	1975	7	2	64	73	64	0
Narrative: Replace deteriorated, leaking windows with energy-conserving windows. Repair water damaged interior walls and surfaces, insulation, wiring, and trim. Replace façade siding.									
<u>Bolling AFB</u>	80	141	1975	7	2	64	73	64	0
Narrative: Replace deteriorated, leaking windows with energy-conserving windows. Repair water damaged interior walls and surfaces, insulation, wiring, and trim. Replace façade siding.									
<u>Bolling AFB</u>	81	141	1975	7	2	64	73	64	0
Narrative: Replace deteriorated, leaking windows with energy-conserving windows. Repair water damaged interior walls and surfaces, insulation, wiring, and trim. Replace façade siding.									
<u>Bolling AFB</u>	84	141	1975	7	2	64	73	64	0
Narrative: Replace deteriorated, leaking windows with energy-conserving windows. Repair water damaged interior walls and surfaces, insulation, wiring, and trim. Replace façade siding.									

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 2001 BUDGET REQUEST

GENERAL OFFICER QUARTERS
(EXCEEDING \$25,000 THRESHOLD)

<u>Location</u>	<u>Qtrs ID</u>	<u>Size NSM</u>	<u>Year Built</u>	<u>Oper Total (\$000)</u>	<u>Util Total (\$000)</u>	<u>Maint Total (\$000)</u>	<u>Total O&M (\$000)</u>	<u>Unit Maint Limit (\$000)</u>	<u>Improvements Non-Routine FY1996-2000 (\$000)</u>

<u>Bolling AFB</u>	85	141	1975	7	2	64	73	64	0

Narrative: Replace deteriorated, leaking windows with energy-conserving windows. Repair water damaged interior walls and surfaces, insulation, wiring, and trim. Replace façade siding.

<u>Bolling AFB</u>	86	141	1975	7	2	64	73	64	0

Narrative: Replace deteriorated, leaking windows with energy-conserving windows. Repair water damaged interior walls and surfaces, insulation, wiring, and trim. Replace façade siding.

<u>Bolling AFB</u>	89	141	1975	7	2	64	73	64	0

Narrative: Replace deteriorated, leaking windows with energy-conserving windows. Repair water damaged interior walls and surfaces, insulation, wiring, and trim. Replace façade siding.

ILLINOIS

<u>Scott</u>	227	261	1940	1	5	235	241	235	0

Narrative: Upgrades and modifies these historic units to contemporary standards by repairing the kitchen areas, living rooms, baths, and outdated mechanical, electrical, and plumbing systems. Repairs interior finishes to include carpet, wall covering, paint, and flooring.

<u>Scott</u>	231	261	1940	1	5	235	241	235	0

Narrative: Upgrades and modifies these historic units to contemporary standards by repairing the kitchen areas, living rooms, baths, and outdated mechanical, electrical, and plumbing systems. Repairs interior finishes to include carpet, wall covering, paint, and flooring.

NORTH
CAROLINA

<u>Pope</u>	218	273	1933	2	4	250	256	250	25

Narrative: Replaces the original utilities (1933) of this historic unit, updating them to current building codes. Replaces interior fixtures and finishes which are deteriorated and have multiple layers of peeling lead-based paint. Repairs kitchens, bathrooms, wall and floor coverings, windows, and exterior walls.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 2001 BUDGET REQUEST

GENERAL OFFICER QUARTERS
(EXCEEDING \$25,000 THRESHOLD)

<u>Location</u>	<u>Qtrs ID</u>	<u>Size NSM</u>	<u>Year Built</u>	<u>Oper Total (\$000)</u>	<u>Util Total (\$000)</u>	<u>Maint Total (\$000)</u>	<u>Total O&M (\$000)</u>	<u>Unit Maint Limit (\$000)</u>	<u>Improvements Non-Routine FY1996-2000 (\$000)</u>
<u>OHIO</u>									
<u>Wright- Patterson</u>	10518	184	1935	2	2	50	54	50	0
Narrative: Repairs/restores windows with energy efficient windows meeting historic criteria, reconstructs parapets and bay windows, replaces built-up roof and awnings.									
<u>Wright- Patterson</u>	10520A	221	1935	1	3	63	67	63	0
Narrative: Repairs/restores windows with energy efficient windows meeting historic criteria, reconstructs parapets and bay windows, replaces built-up roof and awnings.									
<u>Wright- Patterson</u>	10520B	221	1935	1	3	63	67	63	0
Narrative: Repairs/restores windows with energy efficient windows meeting historic criteria, reconstructs parapets and bay windows, replaces built-up roof and awnings.									
<u>Wright- Patterson</u>	10522A	221	1935	2	3	72	77	72	0
Narrative: Repairs/restores windows with energy efficient windows meeting historic criteria, reconstructs parapets and bay windows, replaces built-up roof and awnings.									
<u>Wright- Patterson</u>	10522B	221	1935	1	4	68	73	68	0
Narrative: Repairs/restores windows with energy efficient windows meeting historic criteria, reconstructs parapets and bay windows, replaces built-up roof and awnings.									
<u>Wright- Patterson</u>	10524	184	1935	1	2	54	57	54	0
Narrative: Repairs/restores windows with energy efficient windows meeting historic criteria, reconstructs parapets and bay windows, replaces built-up roof and awnings									
<u>Wright- Patterson</u>	10702A	221	1935	6	8	73	87	73	0
Narrative: Repairs/restores windows with energy efficient windows meeting historic criteria, reconstructs parapets and bay windows, replaces built-up roof and awnings.									

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 2001 BUDGET REQUEST

GENERAL OFFICER QUARTERS
(EXCEEDING \$25,000 THRESHOLD)

<u>Location</u>	<u>Qtrs</u> <u>ID</u>	<u>Size</u> <u>NSM</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>FY1996-2000</u> <u>(\$000)</u>

<u>Wright-Patterson</u>	10702B	221	1935	6	2	69	77	69	0

Narrative: Repairs/restores windows with energy efficient windows meeting historic criteria, reconstructs parapets and bay windows, replaces built-up roof and awnings.

<u>Wright-Patterson</u>	10704	184	1935	2	2	47	51	47	0

Narrative: Repairs/restores windows with energy efficient windows meeting historic criteria, reconstructs parapets and bay windows, replaces built-up roof and awnings.

<u>Wright-Patterson</u>	10716	184	1935	6	2	45	53	45	0

Narrative: Repairs/restores windows with energy efficient windows meeting historic criteria, reconstructs parapets and bay windows, replaces built-up roof and awnings.

WYOMING

<u>F.E. Warren</u>	92	494	1910	3.6	3.2	183.2	190	183.2	0

Narrative: Repairs deteriorated and broken exterior woodwork, replaces an antiquated heating system with new plumbing and boiler, repairs the leaking roof, and accomplishes normal repair and maintenance. Provides adequate heating, repairs external woodworking per NHPA, safeguards historic facilities against water damage due to leaking, and accomplishes routine maintenance and repair required due to normal wear and tear.

OVERSEAS

HAWAII

<u>Hickam</u>	549	196	1939	9	6	95	110	95	286

Narrative: Replaces roof and installs hose bib vacuum breaker. Painting and change of occupancy maintenance is also included.

<u>Hickam</u>	551	196	1939	10	5	106	121	106	286

Narrative: Replaces roof on quarters and on termite-damaged gazebo. Installs hose bib vacuum breaker. Painting and change of occupancy maintenance is also included.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 2001 BUDGET REQUEST

GENERAL OFFICER QUARTERS
(EXCEEDING \$25,000 THRESHOLD)

<u>Location</u>	<u>Qtrs</u> <u>ID</u>	<u>Size</u> <u>NSM</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>FY1996-2000</u> <u>(\$000)</u>

JAPAN

<u>Kadena</u>	4200	213	1957	17	2	89	108	89	0

Narrative: Repairs electrical system and HVAC, replaces water heater, repairs roof, bath #3 and utility rooms. Adds smoke detectors and change of occupancy maintenance.

<u>Kadena</u>	4210	187	1956	12	2	81	95	81	0

Narrative: Repairs electrical system and HVAC, replaces water heater, repairs roof, bath #3 and utility rooms. Adds smoke detectors and change of occupancy maintenance.

<u>Yokota</u>	691	305	1975	5	12	288	305	288	0

Narrative: Repair HVAC system including replacement of compressor, air handler, heat exchangers, domestic hot water coil and circulation pump and ductwork cleaning. Replaces existing windows with double-paned glass windows. Paints entire exterior of facility.

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REIMBURSABLE PROGRAM

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

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 are the anticipated reimbursements due to members who voluntarily separate that are authorized to live in government quarters for up to 6 months after separation.

	(\$ in Thousands)
1. FY 2000 President's Budget:	\$10,648
2. Congressional Adjustments:	None
3. FY 2000 Appropriated Amount:	\$10,648
4. Proposed Supplementals:	None
5. Price Growth:	None
6. Functional Program Transfers:	None
7. Program Increases:	\$0
8. FY 2000 Current Estimate:	\$10,648
9. Price Growth: Inflation	\$160
10. Functional Program Transfers:	None
11. Program Increases: Financial documents and small jobs increase.	\$32
12. Program Decreases:	None
13. FY 2001 Budget Request:	\$10,840

Analysis of Changes in Reimbursements

The FY 2001 request includes a modest program adjustment and inflationary increase from FY 2000 program.

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LEASING

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

LEASING

Program (\$ in Thousands)
FY 2001 Program \$114,628
FY 2000 Program \$118,509

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 \$114,628 to fund leases and related expenses in FY 2001. FY 2001 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

Congress controls leasing in foreign countries: 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 remaining drawdown in overseas areas is to continue 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 remaining nearby bases. In fact, the percentage of Air Force members assigned to foreign locations who are 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

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

the most expensive), (2) Government Rental Housing Program (GRHP) 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 FY96)
- 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

The Air Force contracted to have Centennial Estates Housing (828 units) constructed by Hunt Building Corporation (HBC) in 1990 and 1991 at Ellsworth AFB. Poor construction caused many units to become uninhabitable. A settlement agreement was signed by HBC on 1 Mar 99 and by the Air Force and Department of Justice on 2 Mar 99. HBC will pay the United States \$8M over a 5 year period. The settlement includes an allocation of funds to Ellsworth AFB for real property and facility maintenance which will be funded through the regular O&M appropriation verses the Military Family Housing O&M appropriation. The Air Force estimates Ellsworth AFB will receive \$485K in FY2001.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

Domestic Leasing

Domestic leasing provides temporary housing for Air Force families pending availability of permanent housing. For example, the Air Force is supporting OSD's requests for domestic lease units for personnel assigned to the Armed Forces Radio and Television Service in Los Angeles, CA, and for units supporting the Defense Finance and Accounting System reorganization. This has been an excellent transition procedure to support families in high cost areas while preparing for long-term solutions. Also, affordable housing in high cost locations for recruiters is giving vital support to recruiting.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

RECONCILIATION OF INCREASES AND DECREASES

EXHIBIT OP-5

<u>Leasing</u>	(\$ in Thousands)
1. FY 2000 President's Budget	\$118,509
2. Congressional Adjustments:	None
3. FY 2000 Appropriated Amount:	\$118,509
4. Supplementals:	None
5. Price Growth:	None
6. Functional Program Transfers:	None
7. Program Increases:	None
8. Program Decreases:	None
9. FY00 Current Estimate	\$118,509
10. Price Growth:	
a. Inflation	\$1,896
b. Foreign Currency Fluctuation Rate Adjustment	\$0
11. Functional Program Transfer:	None
12. Program Increases:	None
13. Program Decreases:	
a. Termination of Ramstien AB, Germany Lease	-\$698

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

b. Termination of San Vito AB, Italy lease and delay in schedules for build-lease at Aviano and Lakenheath		- \$5,079
14.	FY 2001 Budget Request:	\$114,628

Analysis of Changes 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 2001

LOCATION	FY 99			FY 00			FY 01		
	# UNITS	LEASE MONTHS	COST (\$000)	# UNITS	LEASE MONTHS	COST (\$000)	# UNITS	LEASE MONTHS	COST (\$000)
DOMESTIC LEASES									
Los Angeles, CA	35	420	\$438	35	420	\$443	35	420	\$449
Ontario, CA (Det 4)	4	48	\$50	4	48	\$50	4	48	\$50
Los Angeles, CA (AFRTS)	20	240	\$250	20	240	\$252	20	240	\$255
Los Angeles, CA (DFAS)	40	480	\$501	40	480	\$506	40	480	\$510
Recruiter/R.O.T.C.	160	1,920	\$2,186	180	2,160	\$2,461	185	2,220	\$2,527
Unassigned	3,074	0	\$0	3,054	0	\$0	3,049	0	\$0
TOTAL DOMESTIC LEASES	3,333	3,108	\$3,425	3,333	3,348	\$3,712	3,333	3,408	\$3,791
FOREIGN LEASES									
Aman, Jordan	4	48	\$95	4	48	\$96	4	48	\$97
Cairo, Egypt	3	36	\$75	3	36	\$75	3	36	\$75
Manama, Bahrain	2	24	\$48	2	24	\$49	2	24	\$50
Nairobi, Kenya	1	12	\$32	1	12	\$33	1	12	\$33
Asmara, Eritrea	1	12	\$24	1	12	\$24	1	12	\$25
Islamabad, Pakistan	1	12	\$21	1	12	\$21	1	12	\$21
Doha, Qatar	1	12	\$35	1	12	\$35	1	12	\$35
Abu Dhabi, UAE	1	12	\$60	1	12	\$60	1	12	\$60
Bangkok, Thailand	5	60	\$150	7	84	\$151	7	84	\$153
Classified Location	5	60	\$180	5	60	\$182	5	60	\$184
Osan, Korea	276	3,312	\$4,137	276	3,312	\$4,199	276	3,312	\$4,265
Sembawang, Singapore	117	1,404	\$3,435	117	1,404	\$3,455	117	1,404	\$3,503
Ankara, Turkey	18	216	\$315	18	216	\$352	18	216	\$357
Aviano, Italy	315	3,780	\$6,401	700	8,400	\$13,883	700	8,400	\$13,885
Brussels, Belgium	0	0	\$0	1	12	\$25	1	12	\$25
Bentwaters, UK	294	3,528	\$925	0	0	\$0	0	0	\$0
Geilenkirchen, Germany	1	12	\$17	1	12	\$17	1	12	\$17
Izmir, Turkey	6	72	\$232	6	72	\$235	6	72	\$236
Kalkar, Germany	23	276	\$343	23	276	\$388	23	276	\$393
Lakenheath, UK	735	8,820	\$9,543	1,295	15,540	\$20,426	1,343	16,116	\$20,578
Stavanger, Norway	1	12	\$44	1	12	\$44	1	12	\$44
Paris, France	7	84	\$341	7	84	\$345	7	84	\$349
Ramstein, Germany	34	408	\$672	34	408	\$698	0	0	\$0
San Vito, Italy	150	1,800	\$3,305	150	1,800	\$4,408	0	0	\$0
Spangdahlem, Germany	501	6,012	\$6,305	501	6,012	\$6,392	501	6,012	\$6,410
Vienna, Austria	1	12	\$65	1	12	\$70	1	12	\$71
Upper Heyford, UK	50	600	\$193	0	0	\$0	0	0	\$0
Ascension Island	1	12	\$20	1	12	\$21	1	12	\$21
Copenhagen, Denmark	5	60	\$126	5	60	\$128	5	60	\$129
Unassigned	6,642	N/A		6,038	N/A		6,174	N/A	
TOTAL FOREIGN LEASES	9,201	30,708	\$37,139	9,201	37,956	\$55,813	9,201	36,324	\$51,016
GRAND TOTAL FH-4	12,534	33,816	\$40,564	12,534	41,304	\$59,525	12,534	39,732	\$54,807

DD Form 2458-2, JUN 86

Exhibit FH-4

ANALYSIS OF HIGH COST LEASED UNITS
(Other than Section 801)
FY 2001

LOCATION	FY 01 TOTAL LEASES Per Country	FY99			FY00			FY01		
		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	3	\$12,000	\$42,378	1	\$12,000	\$14,290	1	\$12,000	\$14,318
Los Angeles, CA/DFAS	40	8	to	\$111,215	8	to	\$111,275	8	to	\$111,410
Pinedale, WY	7	4	\$14,000	\$50,620	4	\$14,000	\$51,120	4	\$14,000	\$51,608
Recruiter/ROTC	178	25		\$375,185	35		\$540,375	38		\$570,445
Sub-Total Domestic	260	40		\$579,398	48		\$717,060	51		\$747,781
FOREIGN LEASES										
*Izmir, Turkey	24	6	\$295	\$232,000	6	\$295	\$235,000	6	\$14,000	\$236,000
*Stavanger, Norway	1	1	\$19,880	\$44,000	1	\$19,880	\$44,000	1	\$14,000	\$44,000
*Aviano, Italy	700	1	\$16,791	\$24,320	1	\$16,791	\$28,122	1	\$14,000	\$28,435
*Sembawang, Singapore	117	117	\$2,970,055	\$3,435,000	117	\$2,970,055	\$3,455,000	117	\$14,000	\$3,503,000
**Paris, France	7	N/A	N/A	\$341,000	N/A	N/A	\$345,000	N/A	N/A	\$349,000
**Copenhagen, Denmark	5	N/A	N/A	\$126,000	N/A	N/A	\$128,000	N/A	N/A	\$129,000
**Aman, Jordan	4	N/A	N/A	\$95,000	N/A	N/A	\$96,000	N/A	N/A	\$97,000
**Asmara, Eritrea	1	N/A	N/A	\$24,000	N/A	N/A	\$24,000	N/A	N/A	\$25,000
**Brussels, Belgium	1	N/A	N/A	\$0	N/A	N/A	\$25,000	N/A	N/A	\$25,000
**Manama, Bahrain	2	N/A	N/A	\$48,000	N/A	N/A	\$49,000	N/A	N/A	\$50,000
**Islamabad, Pakistan	1	N/A	N/A	\$21,000	N/A	N/A	\$21,000	N/A	N/A	\$21,000
**Doha, Qatar	1	N/A	N/A	\$35,000	N/A	N/A	\$35,000	N/A	N/A	\$35,000
**Abu Dhabi, UAE	1	N/A	N/A	\$60,000	N/A	N/A	\$60,000	N/A	N/A	\$60,000
**Cairo, Egypt	3	N/A	N/A	\$75,000	N/A	N/A	\$75,000	N/A	N/A	\$75,000
**Nairobi, Kenya	1	N/A	N/A	\$32,000	N/A	N/A	\$33,000	N/A	N/A	\$33,000
**Bangkok, Thailand	5	N/A	N/A	\$150,000	N/A	N/A	\$151,000	N/A	N/A	\$153,000
**Vienna, Austria	1	N/A	N/A	\$66,000	N/A	N/A	\$70,000	N/A	N/A	\$71,000
**Classified Location	5	N/A	N/A	\$180,000	N/A	N/A	\$182,000	N/A	N/A	\$184,000
Sub-Total Foreign	856	125		\$4,988,320	125		\$5,056,122	125		\$5,118,435
GRAND TOTAL FH-4A	1,116	165	N/A	\$5,567,718	173	N/A	\$5,773,182	176	N/A	\$5,866,216

Exhibit FH-4A

HIGH COST DOMESTIC LEASE approvals range between \$12k and \$14k per year with OSD approved inflation added per year. Thirty eight of the Recruiter and ROTC leases exceed \$12K per year and details of each new or renewed lease is approved by Congress.

* HIGH COST FOREIGN LEASE criteria differs from domestic. Adjusted cost cap for overseas leases is determined by multiplying \$20k times the FY 88 exchange rate divided by the FY 01 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 2001

LOCATION	NO. OF UNITS	DATE OF AWARD	DATE OF FULL OCCUP	FY99 COSTS	FY00 UNITS	FY00 COSTS	FY01 UNITS	FY01 COSTS
Hanscom AFB, MA	163	SEP 85	OCT 87	\$2,969	163	\$2,999	163	\$3,020
Goodfellow AFB, TX	200	SEP 86	JAN 88	\$1,913	200	\$1,919	200	\$1,919
Andrews AFB, MD	828	AUG 91	OCT 95	\$12,448	828	\$12,575	828	\$12,755
Hurlburt AFB, FL	300	JAN 91	SEP 92	\$3,552	300	\$3,605	300	\$3,655
Travis AFB, CA	300	SEP 89	AUG 91	\$3,968	300	\$4,010	300	\$4,055
Eielson AFB, AK	300	JAN 85	JULY 86	\$5,735	300	\$5,795	300	\$5,855
Eielson AFB, AK	366	SEP 91	JAN 96	\$9,952	366	\$9,998	366	\$10,110
Ellsworth AFB, SD	828	AUG 89	JUN 91	\$11,272	828	\$11,428	828	\$11,512
Ellsworth AFB, SD	200	JUN 89	JULY 90	\$2,664	200	\$2,706	200	\$2,745
Cannon AFB, NM	350	JUN 91	AUG 93	\$3,956	350	\$3,949	350	\$4,195
ANNUAL REQUIREMENT	3,835	N/A	N/A	\$58,429	3,835	\$58,984	3,835	\$59,821
Unused Lease Points	1,965			\$0	1,965	\$0	1,965	\$0
GRAND TOTAL FH-4B	5,800	N/A	N/A	\$58,429	5,800	\$58,984	5,800	\$59,821

DEBT PAYMENTS

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2001 BUDGET REQUEST

FY 2001 DEBT PAYMENT

Program (in Thousands)

FY 2001 Program \$34

FY 2000 Program \$33

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 \$34,000 for FY 2001. 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 2001 is as follows:

<u>Fiscal Year</u>	<u>Number</u>	<u>Average Payment/Yr</u>	<u>Amount (\$000)</u>
2001	181	\$189	\$34

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FOREIGN CURRENCY EXCHANGE DATA

FOREIGN CURRENCY EXCHANGE DATA
FY 2001 Budget Estimate Submission
(\$ in Thousands)

Country	Local Currency	FY 1999		FY 2000		FY 2001	
		Approved Exchange Rates	\$ U.S. Requiring Conversion	Approved Exchange Rates	\$ U.S. Requiring Conversion	Approved Exchange Rates	\$ U.S. Requiring Conversion
Denmark	Krone	6.512	\$126	7.110	\$117	7.393	\$114
France	Franc	5.743	\$120	6.221	\$102	6.547	\$89
Germany	D Mark	1.713	\$53,519	1.855	\$56,492	1.952	\$54,060
Italy	Lira	1,695.000	\$11,744	1,836.370	\$14,861	1,932.190	\$12,599
Japan	Yen	123.050	\$42,743	111.670	\$52,555	102.670	\$46,215
Norway	Krone	7.565	\$91	7.888	\$130	8.072	\$92
Portugal	Escudo	175.610	\$1,036	190.680	\$938	198.830	\$1,019
Singapore	Dollar	1.649	\$3,435	1.664	\$3,424	1.685	\$3,428
South Korea	Won	1,242.500	\$4,423	1,199.100	\$4,705	1,149.800	\$4,768
Spain	Peseta	145.650	\$179	158.250	\$284	165.300	\$247
United Kingdom	Pound	0.605	\$31,329	0.608	\$32,113	0.625	\$34,897
Total			\$148,745		\$165,721		\$157,528