



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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Fiscal Year (FY) 2001
President's Budget**

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Program Summary

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

	Appropriation	Authorization
	Request	Request
	<u>(\$000s)</u>	<u>(\$000s)</u>
	<small>(Se-c 2301)</small>	<small>(Sec 2304)</small>
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	-
	530,969	466,882
Total Military Construction	\$ 530,969	\$ 466,882
 Military Family Housing		
	<small>(Sec 2302/2303)</small>	<small>(Sec 2304)</small>
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
	826,271	826,271
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

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

**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				
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>	

**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				
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>	0	
	<u>WORLDWIDE Total</u>	<u>64,087</u>	0	
	<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 <u>(\$000s)</u> (Sec 2304)	Appropriation Request <u>(\$000s)</u> (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>ALABAMA Total</u>	<u>3,825</u>	
ALASKA					
	CAPE ROMANZOF	GENERATOR FUEL STORAGE	3,900	3,900	C M
			<u>CAPE ROMANZOF Total</u>	<u>3,900</u>	
	EIELSON AFB	DORMITORY (120 Rooms)	14,540	14,540	C M
		HAZARDOUS MATERIAL STORAGE	1,450	1,450	CM
			<u>EIELSON AFB Total</u>	<u>15,990</u>	
	ELMENDORF AFB	DORMITORY (144 Rooms)	15,920	15,920	CM
		UPGRADE HANGAR COMPLEX	11,600	11,600	C M
			<u>ELMENDORF AFB Total</u>	<u>27,520</u>	
			<u>ALASKA Total</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>ARIZONA Total</u>	<u>7,900</u>	
ARKANSAS					
	LITTLE ROCK AFB	C- 130 SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT	7,960	7,960	C M
		FITNESS CENTER	9,100	9,100	C M
			<u>LITTLE ROCK AFB Total</u>	<u>17,064</u>	
			<u>ARKANSAS Total</u>	<u>17,060</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					
CALIFORNIA					
	BEALE AFB	WATER TREATMENT PLANT & DISTRIBUTION LINE	3,800	3,800	C M
		<u>BEALE AFB Total</u>	<u>3,800</u>	<u>3,800</u>	
	LOS ANGELES AFB	FITNESS CENTER	6,580	6,580	C M
		<u>LOS ANGELES AFB Total</u>	<u>6,580</u>	<u>6,580</u>	
	VANDENBERG AFB	UPGRADE WATER DISTRIBUTION SYSTEM	4,650	4,650	C M
		<u>VANDENBERG AFB Total</u>	<u>4,650</u>	<u>4,650</u>	
		<u>CALIFORNIA Total</u>	<u>15,030</u>	<u>15,030</u>	
COLORADO					
	BUCKLEY ANGB	SPACE BASED INFRARED SYSTEM (SBIRS) POWER	2,750	2,750	NM
		<u>BUCKLEY ANGB Total</u>	<u>2,750</u>	<u>2,750</u>	
	PETERSON AFB	DORMITORY (144 Rooms)	11,000	11,000	C M
		OPERATIONS SUPPORT FACILITY	2,260	2,260	C M
		<u>PETERSON AFB Total</u>	<u>13,260</u>	<u>13,260</u>	
	SCHRIEVER AFB	ADD TO OPERATIONAL SUPPORT FACILITY	8,450	8,450	C M
		<u>SCHRIEVER AFB Total</u>	<u>8,450</u>	<u>8,450</u>	
	USAF ACADEMY	ADD TO ATHLETIC FACILITY	18,960	18,960	C M
		<u>USAF ACADEMY Total</u>	<u>18,960</u>	<u>18,964</u>	
		<u>COLORADO Total</u>	<u>43,424</u>	<u>43,420</u>	
DISTRICT OF COLUMBIA					
	BOLLING AFB	CHILD DEVELOPMENT CENTER	4,520	4,520	C M
		<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>	

**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>	
NNDALL 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			APPROP REQUEST	AUTH REQUEST	TYPE
INSTALLATION					
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			APPROP REQUEST	AUTH REQUEST	TYPE	
INSTALLATION						
UTAH	HILL AFB	C-130 CORROSION CONTROL FACILITY WORKING CAPITAL FUND (WCF)	16,500	16,500	CM	
		HILL AFB Total	<u>16,500</u>	<u>16,500</u>		
		UTAH Total	<u>16,500</u>	<u>16,500</u>		
VIRGINIA	LANGLEY AFB	DORMITORY (96 Rooms)	7,470	7,470	CM	
		LANGLEY AFB Total	<u>7,470</u>	<u>7,470</u>		
		VIRGINIA Total	<u>7,470</u>	<u>7,470</u>		
WASHINGTON	MCCHORD AFB	C- 17 ADD/ALTER NOSE DOCKS C-17 SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT	3,750 6,500	3,750 6,500	NM NM	
		MCCHORD AFB Total	<u>10,250</u>	<u>10,250</u>		
		WASHINGTON Total	<u>10,250</u>	<u>10,250</u>		
WYOMING	F E WARREN AFB	COMMAND AND CONTROL SUPPORT FACILITY MINUTEMAN III MISSILE SERVICE COMPLEX	10,200 15,520	10,200 15,520	NM CM	
		F E WARREN AFB Total	<u>25,720</u>	<u>25,720</u>		
		WYOMING Total	<u>25,720</u>	<u>25,720</u>		
INSIDE THE U.S.	CLASSIFIED LOCATION	SPECIAL TACTICAL UNIT DETACHMENT FACILITY	1,810	1,810	NM	
		CLASSIFIED LOCATION Total	<u>1,810</u>	<u>1,810</u>		
		INSIDE THE U.S. Total	<u>419,007</u>	<u>419,007</u>		
OUTSIDE THE U.S.	INDIAN OCEAN	DIEGO GARCIA	MUNITIONS STORAGE IGLOOS	5,475	5,475	NM
		DIEGO GARCIA Total	<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	INSTALLATION		APPROP REQUEST	AUTH REQUEST	TYPE
		<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 Classified	PACAF Various	Alaska Various	36 228
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
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**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
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FY 2001

Third Party Financing

Test of long-term facilities contracts

None

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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.

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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 STRENGTH			PERMANENT			STUDENTS			SUPPORTED			
	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	CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	STATUS 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 OFFICER SCHOOL (SOS) COLLEGE	7,870 SM	8,600								
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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MAXWELL AIR FORCE BASE, ALABAMA		
4. PROJECT TITLE OTS ACADEMIC FACILITY	5. PROJECT NUMBER PNQS023134	
<p>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.</p> <p><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.</p> <p><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.</p> <p>Academic Addition: 2,700SM = 29,052 SF</p>		

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			TOTAL
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
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		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								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			2. DATE
AIR FORCE	(computer generated)			
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
CAPE ROMANZOF LONG-RANGE RADAR SITE, ALASKA		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%)				<u>237</u>
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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION CAPE ROMANZOF LONG-RANGE RADAR SITE, ALASKA		
4. PROJECT TITLE GENERATOR FUEL STORAGE	5. PROJECT NUMBER DBWT017002	
<p>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.</p>		

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 STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL	
		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 STORAGE FACILITY		1,150 SM		3,000						
215-582		MUNITIONS SURVEILLANCE AND INSPECTION FACILITY		488 SM		2,500						
				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, PHASE 1		3,698 LM		9,900						
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 AIR FORCE (computer generated)	2. DATE
3. INSTALLATION AND LOCATION EIELSON AIR FORCE BASE, ALASKA		
4. PROJECT TITLE	DORMITORY (120 RM)	5. PROJECT NUMBER 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	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						COST		DESIGN		STATUS	
CODE	PROJECT TITLE				SCOPE	(\$000)	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 STORAGE FACILITY				1,150 SM	3,000					
215-582	MUNITIONS SURVEILLANCE AND INSPECTION FACILITY				488 SM	2,500					
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, PHASE 1				3,698 LM	9,900					
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):		
(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			SUPPORTED			
STRENGTH		OFF	ENL	CIV	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											
CODE		PROJECT TITLE				SCOPE		COST (\$000)		DESIGN STATUS	
								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			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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA		
4. PROJECT TITLE DORMITORY (144 RM).	5. PROJECT NUMBER FXSB013005	
<p>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.</p>		

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		
(3a) Construction Contract Award Date		796
(4) Construction Start		00 DEC
(5) Construction Completion		01 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		



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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Fiscal Year (FY) 2001
President's Budget**

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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 COST INDEX		
ELMENDORF AIR FORCE BASE, ALASKA					PACIFIC AIR FORCES					1.50		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL		
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV			
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	CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	STATUS 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			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									2. DATE	
AIR FORCE		(computer generated)										
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												
<u>CODE</u>		<u>PROJECT TITLE</u>			<u>SCOPE</u>			<u>COST (\$000)</u>		<u>DESIGN STATUS</u>		
								<u>START</u>		<u>CMPL</u>		
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 PROCESS COMPLEX			4,200 SM			7,400				
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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA		
4. PROJECT TITLE FITNESS CENTER	5. PROJECT NUMBER FBNV873005R5	
<p>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</p>		

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 COST INDEX				
LITTLE ROCK AIR FORCE BASE, ARKANSAS				AIR EDUCATION AND TRAINING COMMAND			0.85				
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
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											
CODE		PROJECT TITLE				SCOPE		COST (\$000)		DESIGN STATUS	
								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		2. DATE	
AIR FORCE		(computer generated)			
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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION LITTLE ROCK AIR FORCE BASE, ARKANSAS		
4. PROJECT TITLE C-130 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT	5. PROJECT NUMBER NKAK003000	
<p>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</p>		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)	2. DATE
3. INSTALLATION AND LOCATION LITTLE ROCK AIR FORCE BASE, ARKANSAS		
4. PROJECT TITLE	C-130 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT	5. PROJECT NUMBER 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	2. DATE
AIR FORCE	(computer generated) --	

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.

IMPACT IF NOT PROVIDED: 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.

ADDITIONAL: 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									2. DATE	
AIR FORCE	(computer generated)										
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											
<u>CODE</u>		<u>PROJECT TITLE</u>				<u>SCOPE</u>		<u>COST (\$000)</u>	<u>DESIGN START</u>		<u>STATUS CMPL</u>
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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION BEALE AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE WATER TREATMENT PLANT AND DISTRIBUTION LINE	5. PROJECT NUMBER BAEY961005R1	
<p>with CCR Article 16 and eliminates the need for polymer addition, stops wasteful discharge of treated water, and complies with backflow prevention standards.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Long residence times will continue to result in reduced chlorine residuals, positive coliform results, and NOVs 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.</p> <p><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</p>		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE																										
3. INSTALLATION AND LOCATION BEALE AIR FORCE BASE, CALIFORNIA																												
4. PROJECT TITLE WATER TREATMENT PLANT AND DISTRIBUTION LINE	5. PROJECT NUMBER BAEY961005R1																											
<p>12. SUPPLEMENTAL DATA: Design, Bid, Build</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0" style="width: 100%;"> <tr> <td style="padding-left: 20px;">(a) Date Design Started</td> <td style="text-align: right;">99 JAN 26</td> </tr> <tr> <td style="padding-left: 20px;">(b) Parametric Cost Estimates used to develop costs</td> <td style="text-align: right;">Y</td> </tr> <tr> <td style="padding-left: 20px;">*(c) Percent Complete as of Jan 2000</td> <td style="text-align: right;">35%</td> </tr> <tr> <td style="padding-left: 20px;">*(d) Date 35% Designed.</td> <td style="text-align: right;">99 DEC 10</td> </tr> <tr> <td style="padding-left: 20px;">(e) Date Design Complete</td> <td style="text-align: right;">00 SEP 01</td> </tr> <tr> <td style="padding-left: 20px;">(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td style="text-align: right;">Y</td> </tr> </table> <p>(2) Basis:</p> <table border="0" style="width: 100%;"> <tr> <td style="padding-left: 20px;">(a) Standard or Definitive Design -</td> <td style="text-align: right;">NO</td> </tr> <tr> <td style="padding-left: 20px;">(b) Where Design Was Most Recently Used -</td> <td style="text-align: right;">N/A</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0" style="width: 100%;"> <tr> <td style="padding-left: 20px;">(a) Production of Plans and Specifications</td> <td style="text-align: right;">228</td> </tr> <tr> <td style="padding-left: 20px;">(b) All Other Design Costs</td> <td style="text-align: right;">114</td> </tr> <tr> <td style="padding-left: 20px;">(c) Total</td> <td style="text-align: right;">342</td> </tr> <tr> <td style="padding-left: 20px;">(d) Contract</td> <td style="text-align: right;">285</td> </tr> <tr> <td style="padding-left: 20px;">(e) In-house</td> <td style="text-align: right;">57</td> </tr> </table> <p>(3a) Construction Contract Award Date 01 JAN</p> <p>(4) Construction Start 01 MAR</p> <p>(5) Construction Completion 02 MAR</p> <p>* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(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	(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used -	N/A	(a) Production of Plans and Specifications	228	(b) All Other Design Costs	114	(c) Total	342	(d) Contract	285	(e) In-house	57
(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																											
(a) Standard or Definitive Design -	NO																											
(b) Where Design Was Most Recently Used -	N/A																											
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(d) Contract	285																											
(e) In-house	57																											

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						COST		DESIGN STATUS			
CODE	PROJECT TITLE	SCOPE				(\$000)	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 COMPLEX	17,110 SM				25,000					
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 (computer generated)			2. DATE
AIR FORCE				
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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION LOS ANGELES AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE FITNESS CENTER	5. PROJECT NUMBER ACJP933005	
<p><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.</p> <p><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.</p>		

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	
<u>CODE</u>										<u>START</u> <u>CMPLE</u>	
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			2. DATE
AIR FORCE	(computer generated)			
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. PROJECT: Upgrade water distribution system. (Current Mission) REQUIREMENT: 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. CURRENT SITUATION: 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.				



Department of the Air Force

Military Construction and Family Housing Program

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

**Justification Data Submitted to Congress
February 2000**

Table of Contents

**Table Of Contents
Fiscal Year (FY) 2001
President's Budget**

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Inside the United States Construction Projects

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION VANDENBERG AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE UPGRADE WATER DISTRIBUTION SYSTEM	5. PROJECT NUMBER XUMU003005R	
<p><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.</p> <p><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.</p> <p>Upgrade Water Distribution System: 41,500LM = 136,120LF.</p>		

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE				
3. INSTALLATION AND LOCATION VANDENBERG AIR FORCE BASE, CALIFORNIA						
4. PROJECT TITLE UPGRADE WATER DISTRIBUTION SYSTEM	5. PROJECT NUMBER XUMU003005R					
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by design-build procedures</p> <p>(2) Basis:</p> <table data-bbox="357 659 1388 734"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Design Allowance 232</p> <p>(3a) Construction Contract Award Date 00 DEC</p> <p>(4) Construction Start 01 FEB</p> <p>(5) Construction Completion 02 JUL</p> <p>(6) Energy Study/Life-Cycle analysis was/will be performed N</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used -	N/A
(a) Standard or Definitive Design -	NO					
(b) Where Design Was Most Recently Used -	N/A					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)									2. DATE
AIR FORCE										
3. INSTALLATION AND LOCATION	BUCKLEY AIR NATIONAL GUARD BASE, COLORADO			4. COMMAND			5. AREA CONST COST INDEX			
				AIR NATIONAL GUARD			1.04			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
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						COST	DESIGN STATUS			
CODE	PROJECT TITLE			SCOPE		(\$000)	START	CMPL		
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 CONTROL STATION				SM	6,500				
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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION BUCKLEY AIR NATIONAL GUARD BASE, COLORADO		
4. PROJECT TITLE SPACE BASED INFRARED SYSTEM POWER CONNECTION	5. PROJECT NUMBER CRWU013002	
<p>Megawatt connection for full mission capability to be realized.</p> <p><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.</p> <p><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.</p>		

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE																										
3. INSTALLATION AND LOCATION BUCKLEY AIR NATIONAL GUARD BASE, COLORADO																												
4. PROJECT TITLE SPACE BASED INFRARED SYSTEM POWER CONNECTION	5. PROJECT NUMBER CRWU013002																											
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data: Design, Bid, Build</p> <p>(1) Status:</p> <table border="0" style="width: 100%;"> <tr> <td style="padding-left: 20px;">(a) Date Design Started</td> <td style="text-align: right;">99 APR 01</td> </tr> <tr> <td style="padding-left: 20px;">(b) Parametric Cost Estimates used to develop costs</td> <td style="text-align: right;">Y</td> </tr> <tr> <td style="padding-left: 20px;">*(c) Percent Complete as of Jan 2000</td> <td style="text-align: right;">15%</td> </tr> <tr> <td style="padding-left: 20px;">*(d) Date 35% Designed.</td> <td style="text-align: right;">99 DEC 15</td> </tr> <tr> <td style="padding-left: 20px;">(e) Date Design Complete</td> <td style="text-align: right;">00 SEP 20</td> </tr> <tr> <td style="padding-left: 20px;">(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td style="text-align: right;">Y</td> </tr> </table> <p>(2) Basis:</p> <table border="0" style="width: 100%;"> <tr> <td style="padding-left: 20px;">(a) Standard or Definitive Design -</td> <td style="text-align: right;">NO</td> </tr> <tr> <td style="padding-left: 20px;">(b) Where Design Was Most Recently Used -</td> <td style="text-align: right;">N/A</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0" style="width: 100%;"> <tr> <td style="padding-left: 20px;">(a) Production of Plans and Specifications</td> <td style="text-align: right;">165</td> </tr> <tr> <td style="padding-left: 20px;">(b) All Other Design Costs</td> <td style="text-align: right;">82</td> </tr> <tr> <td style="padding-left: 20px;">(c) Total</td> <td style="text-align: right;">247</td> </tr> <tr> <td style="padding-left: 20px;">(d) Contract</td> <td style="text-align: right;">207</td> </tr> <tr> <td style="padding-left: 20px;">(e) In-house</td> <td style="text-align: right;">40</td> </tr> </table> <p>(3a) Construction Contract Award Date 00 NOV</p> <p>(4) Construction Start 01 JAN</p> <p>(5) Construction Completion 01 SEP</p> <p>* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(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	(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used -	N/A	(a) Production of Plans and Specifications	165	(b) All Other Design Costs	82	(c) Total	247	(d) Contract	207	(e) In-house	40
(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																											
(a) Standard or Definitive Design -	NO																											
(b) Where Design Was Most Recently Used -	N/A																											
(a) Production of Plans and Specifications	165																											
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(c) Total	247																											
(d) Contract	207																											
(e) In-house	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					
PETERSON AIR FORCE BASE, COLORADO				AIR FORCE		SPACE COMMAND					
								1.03			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
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		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
<u>CODE</u>								<u>START</u>		<u>CMPL</u>	
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; 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		2. DATE	
AIR FORCE		(computer generated)			
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 antiterrorism/ 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 <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 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. <u>CURRENT SITUATION:</u> 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. <u>IMPACT IF NOT PROVIDED:</u> 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. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in the new					

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION PETERSON AIR FORCE BASE, COLORADO		
4. PROJECT TITLE DORMITORY (144 RM)	5. PROJECT NUMBER TDKA983003	
<p>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.</p>		

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE				
3. INSTALLATION AND LOCATION PETERSON AIR FORCE BASE, COLORADO						
4. PROJECT TITLE DORMITORY (144 RM)	5. PROJECT NUMBER TDKA983003					
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by design-build procedures</p> <p>(2) Basis:</p> <table data-bbox="365 683 1388 746"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Design Allowance 550</p> <p>(3a) Construction Contract Award Date 00 NOV</p> <p>(4) Construction Start 01 FEB</p> <p>(5) Construction Completion 02 AUG</p> <p>(6) Energy Study/Life-Cycle analysis was/will be performed Y</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used -	N/A
(a) Standard or Definitive Design -	NO					
(b) Where Design Was Most Recently Used -	N/A					

1. COMPONENT		FY 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		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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION PETERSON AIR FORCE BASE, COLORADO		
4. PROJECT TITLE OPERATIONS SUPPORT FACILITY	5. PROJECT NUMBER TDKA003010	
<p>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.</p> <p><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.</p>		

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION PETERSON AIR FORCE BASE, COLORADO		
4. PROJECT TITLE OPERATIONS SUPPORT FACILITY	5. PROJECT NUMBER 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						COST		DESIGN		STATUS	
CODE		PROJECT TITLE				SCOPE		(\$000)		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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (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	
<p>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.</p> <p><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.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". An Economic Analysis has been prepared comparing the alternatives of new construction, 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.</p>		

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (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		PROJECT TITLE					SCOPE	COST	DESIGN STATUS			
CODE							(\$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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (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	
<p>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.</p> <p><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.</p> <p><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</p>		

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (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					
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by design-build procedures</p> <p>(2) Basis:</p> <table data-bbox="381 697 1410 761"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Design Allowance 948</p> <p>(3a) Construction Contract Award Date 00 NOV</p> <p>(4) Construction Start 01 JAN</p> <p>(5) Construction Completion 02 DEC</p> <p>(6) Energy Study/Life-Cycle analysis was/will be performed Y</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used -	N/A
(a) Standard or Definitive Design -	NO					
(b) Where Design Was Most Recently Used -	N/A					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROGRAM									2. DATE		
AIR FORCE	(computer generated)											
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 STRENGTH			PERMANENT			STUDENTS			SUPPORTED			TOTAL
			OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 99			382	1251	722				301	784	40	3,480
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												
CODE		PROJECT TITLE				SCOPE		COST (\$000)		DESIGN START		STATUS 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		2. DATE	
AIR FORCE		(computer generated)			
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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION BOLLING AIR FORCE BASE WASHINGTON, DC		
4. PROJECT TITLE CHILD DEVELOPMENT CENTER	5. PROJECT NUMBER BXUR980010	
<p>need. Without the new facility, Bolling AFB will continue to be out of compliance.</p> <p><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.</p> <p><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</p>		



Department of the Air Force

Military Construction and Family Housing Program

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

**Justification Data Submitted to Congress
February 2000**

Table of Contents

**Table Of Contents
Fiscal Year (FY) 2001
President's Budget**

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Inside the United States Construction Projects

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											
<u>CODE</u>		<u>PROJECT TITLE</u>				<u>SCOPE</u>		<u>COST (\$000)</u>		<u>DESIGN STATUS</u>	
								<u>START</u>		<u>CMPL</u>	
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		FY 2001 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(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	UNIT COST	COST (\$000)
PRECISION GUIDED MUNITIONS MAINTENANCE FACILITY		SM	1,162	1,740	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	120	(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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE PRECISION GUIDED MUNITIONS MAINTENANCE FACILITY	5. PROJECT NUMBER FTFA963030	
<p>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.</p> <p><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.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." An economic analysis has been prepared comparing the alternatives of new construction, 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.</p>		

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE				
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA						
4. PROJECT TITLE PRECISION GUIDED MUNITIONS MAINTENANCE FACILITY	5. PROJECT NUMBER FTFA963030					
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by design-build procedures</p> <p>(2) Basis:</p> <table data-bbox="366 685 1402 749"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Design Allowance 167</p> <p>(3a) Construction Contract Award Date 00 DEC</p> <p>(4) Construction Start 01 FEB</p> <p>(5) Construction Completion 02 JUN</p> <p>(6) Energy Study/Life-Cycle analysis was/will be performed Y</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used -	N/A
(a) Standard or Definitive Design -	NO					
(b) Where Design Was Most Recently Used -	N/A					

1. COMPONENT	FY 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						COST	DESIGN STATUS			
CODE	PROJECT TITLE				SCOPE	(\$000)	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		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
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	UNIT COST	COST (\$000)
UPGRADE DORMITORY (72 RM)		SM	2,800	860	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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
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3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA

4. PROJECT TITLE UPGRADE DORMITORY (72 RM)	5. PROJECT NUMBER FTFA003009
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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.

IMPACT IF NOT PROVIDED: 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.

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 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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE UPGRADE DORMITORY (72 RM)	5. PROJECT NUMBER 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	EGLIN AUXILIARY FIELD NO 9, FLORIDA						4. COMMAND	AIR FORCE SPECIAL OPERATIONS COMMAND			5. AREA CONST COST INDEX
									0.82		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV		
a. As of 30 SEP 99	1118	5653	531		21		617	549	73	8,562	
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						COST	DESIGN STATUS				
CODE	PROJECT TITLE				SCOPE	(\$000)	START	CMPL			
851-147	UPGRADE ACCESS ROADS					LS 5,600	JAN 99	AUG 00			
851-147	DEFENSE ACCESS ROAD					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 OPERATIONS FACILITY					SM 1,475					
131-111	ADD/ALTER BASE NETWORK CONTROL CENTER COMPLEX					SM 2,567					
730-142	FIRE STATION					SM 2,367					
						TOTAL:	6,409				
9b. Future Projects: Typical Planned Next Three Years:											
721-312	DORMITORY					RM 9,900					
721-312	DORMITORY					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			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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION EGLIN AUX FIELD 9, FLORIDA		
4. PROJECT TITLE DEFENSE ACCESS ROAD	5. PROJECT NUMBER FTEV003005	
<p>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</p>		

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	EGLIN AUXILIARY FIELD NO 9, FLORIDA						4. COMMAND	AIR FORCE SPECIAL OPERATIONS COMMAND			5. AREA CONST COST INDEX
									0.82		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV		
a. As of 30 SEP 99	1118	5653	531		21		617	549	73	8,562	
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	CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	STATUS 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 OPERATIONS FACILITY	375 SM	1,475							
	131-111	ADD/ALTER BASE NETWORK CONTROL CENTER COMPLEX	1,850 SM	2,567							
	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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION EGLIN AUX FIELD 9, FLORIDA		
4. PROJECT TITLE UPGRADE ACCESS ROADS	5. PROJECT NUMBER FTEV943011	
<p>increase. There have been 27 traffic accidents at the intersection of Lovejoy and Hill Avenues in the past two years.</p> <p><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.</p>		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
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 COST INDEX			
PATRICK AIR FORCE BASE, FLORIDA					AIR FORCE			SPACE COMMAND			0.92
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
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		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
<u>CODE</u>								<u>START</u>		<u>CMPL</u>	
730-441		DEFENSE EQUAL OPPORTUNITY MANAGEMENT INSTITUTE FACILITY		8,510 SM		12,970		TURN KEY			
						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 FACILITY		2,550 SM		5,100					
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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
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3. INSTALLATION AND LOCATION
PATRICK AIR FORCE BASE, FLORIDA

4. PROJECT TITLE DEFENSE EQUAL OPPORTUNITY MANAGEMENT INSTITUTE FACILITY	5. PROJECT NUMBER SXHT993001
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IMPACT IF NOT PROVIDED: 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.

ADDITIONAL: 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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE				
3. INSTALLATION AND LOCATION PATRICK AIR FORCE BASE, FLORIDA						
4. PROJECT TITLE DEFENSE EQUAL OPPORTUNITY MANAGEMENT INSTITUTE FACILITY	5. PROJECT NUMBER SXHT993001					
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by design-build procedures</p> <p>(2) Basis:</p> <table data-bbox="366 697 1401 761"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Design Allowance 648</p> <p>(3a) Construction Contract Award Date 01 JAN</p> <p>(4) Construction Start 01 FEB</p> <p>(5) Construction Completion 02 SEP</p> <p>(6) Energy Study/Life-Cycle analysis was/will be performed Y</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used -	N/A
(a) Standard or Definitive Design -	NO					
(b) Where Design Was Most Recently Used -	N/A					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)									2. DATE	
AIR FORCE											
3. INSTALLATION AND LOCATION	TYNDALL AIR FORCE BASE, FLORIDA			4. COMMAND	AIR EDUCATION AND TRAINING COMMAND			5. AREA CONST COST INDEX	0.82		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL	
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV		
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		PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS			
CODE							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 (computer generated)			2. DATE
AIR FORCE				
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-roled 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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION TYNDALL AIR FORCE BASE, FLORIDA		
4. PROJECT TITLE F-22 ADD/ALTER MAINTENANCE FACILITIES	5. PROJECT NUMBER XLWU003002	
<p>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.</p> <p><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.</p> <p><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</p>		

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									2. DATE
AIR FORCE	(computer generated)									
3. INSTALLATION AND LOCATION	TYNDALL AIR FORCE BASE, FLORIDA			4. COMMAND	AIR EDUCATION AND TRAINING COMMAND			5. AREA CONST COST INDEX	0.82	
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
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	CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	STATUS 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



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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Fiscal Year (FY) 2001
President's Budget**

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Inside the United States Construction Projects

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

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 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)
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 STRENGTH		PERMANENT			STUDENTS			SUPPORTED			
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
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						COST	DESIGN	STATUS			
CODE	PROJECT TITLE	SCOPE				(\$000)	START	CMPL			
141-753	AIR SUPPORT OPERATIONS SQUADRON FACILITY	2,715 SM				4,920	JAN 00	SEP 00			
					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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION FORT STEWART, GEORGIA		
4. PROJECT TITLE AIR SUPPORT OPERATIONS SQUADRON FACILITY	5. PROJECT NUMBER HACC003016	
<p>will reduce their life cycle and potentially effect mission performance and support of ground units.</p> <p><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</p>		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
AIR FORCE	(computer generated)		
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	MOODY AIR FORCE BASE, GEORGIA						4. COMMAND	AIR COMBAT COMMAND			5. AREA CONST 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	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	PROJECT TITLE					SCOPE	COST	DESIGN STATUS				
CODE							(\$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		FY 2001 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(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	UNIT COST	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 <u>PROJECT:</u> Construct a water treatment plant. (Current Mission) <u>REQUIREMENT:</u> 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. <u>CURRENT SITUATION:</u> 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	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	
<p>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.</p> <p><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.</p> <p><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.</p>		

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
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 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	HICKAM AIR FORCE BASE, HAWAII			4. COMMAND			5. AREA CONST COST INDEX			1.45
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
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 (\$000)	DESIGN STATUS				
CODE						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 DISTRIBUTION SYSTEM				LS 14,673					
					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 MAINS			3,630 LM	2,100					
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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE																																																									
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII																																																											
4. PROJECT TITLE UPGRADE HANGAR COMPLEX	5. PROJECT NUMBER KNMD983001																																																										
12. SUPPLEMENTAL DATA: a. Estimated Design Data: Design, Bid, Build <table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="3" data-bbox="305 527 1411 555">(1) Status:</td> </tr> <tr> <td data-bbox="370 555 1234 583">(a) Date Design Started</td> <td data-bbox="1234 555 1411 583"></td> <td data-bbox="1234 555 1411 583">99 JAN 29</td> </tr> <tr> <td data-bbox="370 583 1234 610">(b) Parametric Cost Estimates used to develop costs</td> <td data-bbox="1234 583 1411 610"></td> <td data-bbox="1234 583 1411 610">Y</td> </tr> <tr> <td data-bbox="354 610 1234 638">*(c) Percent Complete as of Jan 2000</td> <td data-bbox="1234 610 1411 638"></td> <td data-bbox="1234 610 1411 638">15%</td> </tr> <tr> <td data-bbox="354 638 1234 666">*(d) Date 35% Designed.</td> <td data-bbox="1234 638 1411 666"></td> <td data-bbox="1234 638 1411 666">99 DEC 30</td> </tr> <tr> <td data-bbox="370 666 1234 693">(e) Date Design Complete</td> <td data-bbox="1234 666 1411 693"></td> <td data-bbox="1234 666 1411 693">00 AUG 15</td> </tr> <tr> <td data-bbox="370 693 1234 721">(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td data-bbox="1234 693 1411 721"></td> <td data-bbox="1234 693 1411 721">Y</td> </tr> <tr> <td colspan="3" data-bbox="305 768 1411 795">(2) Basis:</td> </tr> <tr> <td data-bbox="370 795 1234 823">(a) Standard or Definitive Design -</td> <td data-bbox="1234 795 1411 823"></td> <td data-bbox="1234 795 1411 823">NO</td> </tr> <tr> <td data-bbox="370 823 1234 851">(b) Where Design Was Most Recently Used -</td> <td data-bbox="1234 823 1411 851"></td> <td data-bbox="1234 823 1411 851">N/A</td> </tr> <tr> <td colspan="3" data-bbox="305 898 1411 925">(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</td> </tr> <tr> <td data-bbox="370 925 1315 953">(a) Production of Plans and Specifications</td> <td data-bbox="1315 925 1411 953"></td> <td data-bbox="1315 925 1411 953">277</td> </tr> <tr> <td data-bbox="370 953 1315 981">(b) All Other Design Costs</td> <td data-bbox="1315 953 1411 981"></td> <td data-bbox="1315 953 1411 981">139</td> </tr> <tr> <td data-bbox="370 981 1315 1008">(c) Total</td> <td data-bbox="1315 981 1411 1008"></td> <td data-bbox="1315 981 1411 1008">416</td> </tr> <tr> <td data-bbox="370 1008 1315 1036">(d) Contract</td> <td data-bbox="1315 1008 1411 1036"></td> <td data-bbox="1315 1008 1411 1036">371</td> </tr> <tr> <td data-bbox="370 1036 1315 1064">(e) In-house</td> <td data-bbox="1315 1036 1411 1064"></td> <td data-bbox="1315 1036 1411 1064">45</td> </tr> <tr> <td data-bbox="305 1064 1411 1091">(3a) Construction Contract Award Date</td> <td data-bbox="1315 1064 1411 1091"></td> <td data-bbox="1315 1064 1411 1091">00 DEC</td> </tr> <tr> <td data-bbox="305 1091 1411 1119">(4) Construction Start</td> <td data-bbox="1315 1091 1411 1119"></td> <td data-bbox="1315 1091 1411 1119">01 JAN</td> </tr> <tr> <td data-bbox="305 1166 1411 1193">(5) Construction Completion</td> <td data-bbox="1315 1166 1411 1193"></td> <td data-bbox="1315 1166 1411 1193">02 JUL</td> </tr> </table> <p data-bbox="305 1240 1411 1342">* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.</p> <p data-bbox="207 1368 1411 1427">b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(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
(1) Status:																																																											
(a) Date Design Started		99 JAN 29																																																									
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(4) Construction Start		01 JAN																																																									
(5) Construction Completion		02 JUL																																																									

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			
<u>CODE</u>		<u>PROJECT TITLE</u>				<u>SCOPE</u>		<u>(\$000)</u>		<u>START</u> <u>CMPL</u>	
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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MOUNTAIN HOME AIR FORCE BASE, IDAHO		
4. PROJECT TITLE ENHANCED TRAINING RANGE, IDAHO PHIII	5. PROJECT NUMBER QYZH013000	
<p>continue to expend limited funds transiting aircraft to and from the range while sacrificing training time.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." All know alternative options were considered during the developemnt 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.</p>		

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE				
3. INSTALLATION AND LOCATION MOUNTAIN HOME AIR FORCE BASE, IDAHO						
4. PROJECT TITLE ENHANCED TRAINING RANGE, IDAHO PHIII	5. PROJECT NUMBER QYZH013000					
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by design-build procedures</p> <p>(2) Basis:</p> <table data-bbox="373 634 1411 691"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Design Allowance 506</p> <p>(3a) Construction Contract Award Date 01 JAN</p> <p>(4) Construction Start 01 MAY</p> <p>(5) Construction Completion 02 OCT</p> <p>(6) Energy Study/Life-Cycle analysis was/will be performed NA</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used -	N/A
(a) Standard or Definitive Design -	NO					
(b) Where Design Was Most Recently Used -	N/A					

1. COMPONENT		FY 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			COST INDEX			
					COMMAND			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											
<u>CODE</u>		<u>PROJECT TITLE</u>			<u>SCOPE</u>			<u>COST (\$000)</u>		<u>DESIGN STATUS</u>	
										<u>START</u> <u>CMPL</u>	
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 (computer generated)			2. DATE
AIR FORCE				
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				
<u>PROJECT:</u> Construct a munitions storage facility and land acquisition. (Current Mission)				
<u>REQUIREMENT:</u> 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.				
<u>CURRENT SITUATION:</u> 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 public space on base to construct this facility. Therefore, land must be purchased as part of this project.				
<u>IMPACT IF NOT PROVIDED:</u> Mission requirements for training, mobility, and operations will continue to be adversely affected by depending on other				

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION SCOTT AIR FORCE BASE, ILLINOIS		
4. PROJECT TITLE MUNITIONS STORAGE/LAND ACQUISITION	5. PROJECT NUMBER VDYD000001	
<p>installations, distant from the base, for munitions storage.</p> <p><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.</p> <p>Munitions Storage: 800 SM = 8,611 SF; Inspection and Maintenance: 210 SM = 2,260 SF</p>		

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					
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by design-build procedures</p> <p>(2) Basis:</p> <table data-bbox="365 655 1388 723"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Design Allowance 215</p> <p>(3a) Construction Contract Award Date 01 JUN</p> <p>(4) Construction Start 01 JUL</p> <p>(5) Construction Completion 02 JUN</p> <p>(6) Energy Study/Life-Cycle analysis was/will be performed Y</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used -	N/A
(a) Standard or Definitive Design -	NO					
(b) Where Design Was Most Recently Used -	N/A					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROGRAM AIR FORCE (computer generated)									2. DATE		
3. INSTALLATION AND LOCATION	BARKSDALE AIR FORCE BASE, LOUISIANA						4. COMMAND	AIR COMBAT COMMAND			5. AREA CONST COST INDEX	0.83
6. PERSONNEL	PERMANENT			STUDENTS			SUPPORTED			TOTAL		
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	PROJECT TITLE					SCOPE	COST	DESIGN STATUS				
CODE							(\$000)	START	CPL			
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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION BARKSDALE AIR FORCE BASE, LOUISIANA		
4. PROJECT TITLE DORMITORY (96 RM)	5. PROJECT NUMBER AWUB033010	
<p>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.</p>		



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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**Table Of Contents
Fiscal Year (FY) 2001
President's Budget**

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Inside the United States Construction Projects

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

3. INSTALLATION AND LOCATION
 BARKSDALE AIR FORCE BASE, LOUISIANA

4. PROJECT TITLE	5. PROJECT NUMBER
DORMITORY (96 RM)	AWUB033010

12. SUPPLEMENTAL DATA: Design, Bid, Build

a. Estimated Design Data:

(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						COST		DESIGN STATUS			
<u>CODE</u>		<u>PROJECT TITLE</u>				<u>SCOPE</u>		<u>(\$000)</u>		<u>START</u> <u>CMPL</u>	
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
3. INSTALLATION AND LOCATION		
KEESLER AIR FORCE BASE, MISSISSIPPI		
4. PROJECT TITLE	5. PROJECT NUMBER	
TECHNICAL TRAINING FACILITY	MAHG023000	
<p>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.</p> <p><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.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." An economic analysis has been prepared comparing the alternatives of new construction, 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</p>		

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE				
3. INSTALLATION AND LOCATION KEESLER AIR FORCE BASE, MISSISSIPPI						
4. PROJECT TITLE TECHNICAL TRAINING FACILITY	5. PROJECT NUMBER MAHG023000					
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by design-build procedures</p> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Design Allowance 752</p> <p>(3a) Construction Contract Award Date 01 JUL</p> <p>(4) Construction Start 01 SEP</p> <p>(5) Construction Completion 03 SEP</p> <p>(6) Energy Study/Life-Cycle analysis was/will be performed Y</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used -	N/A
(a) Standard or Definitive Design -	NO					
(b) Where Design Was Most Recently Used -	N/A					

1. COMPONENT		FY 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							COST	DESIGN STATUS			
CODE	PROJECT TITLE	SCOPE					(\$000)	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/A0-10 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		2. DATE	
AIR FORCE		(computer generated)			
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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION WHITEMAN AIR FORCE BASE, MISSOURI		
4. PROJECT TITLE B-2 CONVENTIONAL MUNITIONS IGLOOS	5. PROJECT NUMBER YWHG989206	
<p>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</p>		

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			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
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/A0-10 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			2. DATE	
AIR FORCE	(computer generated)				
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 <u>PROJECT:</u> Construct conventional munitions assembly area. (New Mission) <u>REQUIREMENT:</u> 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. <u>CURRENT SITUATION:</u> 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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION WHITEMAN AIR FORCE BASE, MISSOURI		
4. PROJECT TITLE B-2 MUNITIONS ASSEMBLY AREA	5. PROJECT NUMBER YWHG989205R3	
<p>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.</p> <p><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.</p> <p><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</p>		

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	MALMSTROM AIR FORCE BASE, MONTANA			4. COMMAND	SPACE COMMAND			5. AREA CONST	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	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	PROJECT TITLE			SCOPE	COST	DESIGN STATUS				
CODE					(\$000)	START	C MPL			
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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MALMSTROM AIR FORCE BASE, MONTANA		
4. PROJECT TITLE MINUTEMAN III MISSILE SERVICE FACILITY	5. PROJECT NUMBER NZAS973000	
<p>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.</p> <p><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.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." An economic analysis has been prepared comparing the alternatives of new construction, 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.</p>		

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

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 COMMAND			COST INDEX 1.17		
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		551	3618	1348				119	492	143	6,271
b. End FY 2005		552	3540	1343				119	492	143	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											
CODE		PROJECT TITLE				SCOPE		COST (\$000)	DESIGN START	STATUS 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 SUPPLY COMPLEX				11,037 SM		20,000			
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		2. DATE	
AIR FORCE		(computer generated)			
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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MCGUIRE AIR FORCE BASE, NEW JERSEY		
4. PROJECT TITLE FITNESS CENTER	5. PROJECT NUMBER PTFL963002	
<p>have degraded and in some cases caused safety hazards in physical training areas.</p> <p><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.</p> <p><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</p>		

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 COST INDEX		
POPE AIR FORCE BASE, NORTH CAROLINA						AIR MOBILITY COMMAND			0.88		
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
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											
CODE		PROJECT TITLE				SCOPE		COST (\$000)		DESIGN STATUS	
								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		2. DATE	
AIR FORCE		(computer generated)			
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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION POPE AIR FORCE BASE, NORTH CAROLINA		
4. PROJECT TITLE DANGEROUS CARGO PADS	5. PROJECT NUMBER TMKH013009	
<p>trouble loading. This requires closing the runway until the aircraft can be towed from the area.</p> <p><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.</p> <p><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.</p> <p><u>BASE CIVIL ENGINEER:</u> 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</p>		

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE																										
3. INSTALLATION AND LOCATION POPE AIR FORCE BASE, NORTH CAROLINA																												
4. PROJECT TITLE DANGEROUS CARGO PADS	5. PROJECT NUMBER TMKH013009																											
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data: Design, Bid, Build</p> <p>(1) Status:</p> <table border="0" style="width: 100%;"> <tr> <td style="padding-left: 20px;">(a) Date Design Started</td> <td style="text-align: right;">99 JAN 26</td> </tr> <tr> <td style="padding-left: 20px;">(b) Parametric Cost Estimates used to develop costs</td> <td style="text-align: right;">Y</td> </tr> <tr> <td style="padding-left: 20px;">*(c) Percent Complete as of Jan 2000</td> <td style="text-align: right;">15%</td> </tr> <tr> <td style="padding-left: 20px;">*(d) Date 35% Designed.</td> <td style="text-align: right;">99 AUG 30</td> </tr> <tr> <td style="padding-left: 20px;">(e) Date Design Complete</td> <td style="text-align: right;">00 SEP 15</td> </tr> <tr> <td style="padding-left: 20px;">(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td style="text-align: right;">NA</td> </tr> </table> <p>(2) Basis:</p> <table border="0" style="width: 100%;"> <tr> <td style="padding-left: 20px;">(a) Standard or Definitive Design -</td> <td style="text-align: right;">NO</td> </tr> <tr> <td style="padding-left: 20px;">(b) Where Design Was Most Recently Used -</td> <td style="text-align: right;">N/A</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0" style="width: 100%;"> <tr> <td style="padding-left: 20px;">(a) Production of Plans and Specifications</td> <td style="text-align: right;">1560</td> </tr> <tr> <td style="padding-left: 20px;">(b) All Other Design Costs</td> <td style="text-align: right;">780</td> </tr> <tr> <td style="padding-left: 20px;">(c) Total</td> <td style="text-align: right;">2340</td> </tr> <tr> <td style="padding-left: 20px;">(d) Contract</td> <td style="text-align: right;">1950</td> </tr> <tr> <td style="padding-left: 20px;">(e) In-house</td> <td style="text-align: right;">390</td> </tr> </table> <p>(3a) Construction Contract Award Date 01 FEB</p> <p>(4) Construction Start 01 MAR</p> <p>(5) Construction Completion 03 MAR</p> <p>* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(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	(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used -	N/A	(a) Production of Plans and Specifications	1560	(b) All Other Design Costs	780	(c) Total	2340	(d) Contract	1950	(e) In-house	390
(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																											
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1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)									2. DATE
AIR FORCE										
3. INSTALLATION AND LOCATION	WRIGHT-PATTERSON AIR FORCE BASE, OHIO			4. COMMAND	AIR FORCE MATERIEL COMMAND			5. AREA CONST COST INDEX	0.97	
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 99	2914	2784	10740	5			81	138	169	20,831
b. End FY 2005	2645	2713	10138				81	138	169	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	PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS START		CMPL		
CODE										
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 COMPLEX, PH-4B			8,500 SM	19,500					
					TOTAL:	19,500				
9b. Future Projects: Typical Planned Next Three Years:										
310-921	CONSOLIDATED TOXIC HAZARDS LABORATORY			5,600 SM	14,200	TURN KEY				
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	



Department of the Air Force

Military Construction and Family Housing Program

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

**Justification Data Submitted to Congress
February 2000**

Table of Contents

**Table Of Contents
Fiscal Year (FY) 2001
President's Budget**

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Inside the United States Construction Projects

1. COMPONENT		2. DATE	
AIR FORCE		(computer generated)	
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 (AFCESA) 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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION WRIGHT-PATTERSON AIR FORCE BASE, OHIO		
4. PROJECT TITLE REPLACE WEST RAMP, PHASE I	5. PROJECT NUMBER ZHTV033201	
<p>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.</p> <p><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.</p> <p><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</p>		

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION WRIGHT-PATTERSON AIR FORCE BASE, OHIO		
4. PROJECT TITLE REPLACE WEST RAMP, PHASE I	5. PROJECT NUMBER 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 COST INDEX			
TINKER AIR FORCE BASE, OKLAHOMA					AIR FORCE			MATERIEL COMMAND			
								0.86			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
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			
<u>CODE</u>						<u>(\$000)</u>		<u>START</u>		<u>CMPL</u>	
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			2. DATE
AIR FORCE	(computer generated)			
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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE DEPOT CORROSION CONTROL STRIP FACILITY(WORKING CAPITAL FUND)	5. PROJECT NUMBER WWYK983156	
<p>needs.</p> <p><u>ADDITIONAL</u>: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." An economic analysis has been prepared comparing the alternatives of new construction, 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.</p>		

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	DEPOT CORROSION CONTROL STRIP FACILITY (WORKING CAPITAL FUND)	5. PROJECT NUMBER	
		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		
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	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	DESIGN STATUS			
CODE							(\$000)	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		2. DATE	
AIR FORCE		(computer generated)			
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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE DORMITORY (96 RM)	5. PROJECT NUMBER WWYK003008	
<p>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.</p>		

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

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						COST		DESIGN STATUS			
<u>CODE</u>		<u>PROJECT TITLE</u>				<u>SCOPE</u>		<u>(\$000)</u>		<u>START</u> <u>CMPL</u>	
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		FY 2001 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(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	UNIT COST	COST (\$000)
C-17 ADD TO FLIGHT SIMULATOR FACILITY		SM	425	2,400	1,020
SUPPORTING FACILITIES					1,341
UTILITIES		LS			(190)
PAVEMENTS		LS			(70)
SITE IMPROVEMENTS		LS			(235)
SEISMIC		LS			(50)
DEMOLITION/ASBESTOS		SM	1,600	441	(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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE C-17 ADD TO FLIGHT SIMULATOR FACILITY	5. PROJECT NUMBER DKFX963032	
<p>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.</p> <p><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</p>		

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE								
3. INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA										
4. PROJECT TITLE C-17 ADD TO FLIGHT SIMULATOR FACILITY	5. PROJECT NUMBER DKFX963032									
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by design-build procedures</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design - NO</p> <p>(b) Where Design Was Most Recently Used - N/A</p> <p>(3) Design Allowance 230</p> <p>(3a) Construction Contract Award Date 01 JUN</p> <p>(4) Construction Start 01 JUN</p> <p>(5) Construction Completion 02 JUL</p> <p>(6) Energy Study/Life-Cycle analysis was/will be performed</p> <p>b. Equipment associated with this project will be provided from other appropriations:</p> <table border="1" data-bbox="211 1117 1400 1251"> <thead> <tr> <th>EQUIPMENT NOMENCLATURE</th> <th>PROCURING APPROPRIATION</th> <th>FISCAL YEAR APPROPRIATED OR REQUESTED</th> <th>COST (\$000)</th> </tr> </thead> <tbody> <tr> <td>C-17 FLIGHT SIMULATOR DEVICE</td> <td>3010</td> <td>2000</td> <td>20000</td> </tr> </tbody> </table>			EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)	C-17 FLIGHT SIMULATOR DEVICE	3010	2000	20000
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 STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
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			
<u>CODE</u>		<u>PROJECT TITLE</u>				<u>SCOPE</u>		<u>(\$000)</u>		<u>START</u> <u>CMPLE</u>	
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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION SHAW AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE USCENTAF OPERATIONAL WEATHER SQUADRON FACILITY	5. PROJECT NUMBER VLSB013001	
<p>sufficient space for this new mission requirement.</p> <p><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.</p> <p><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.</p>		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)	2. DATE
3. INSTALLATION AND LOCATION SHAW AIR FORCE BASE, SOUTH CAROLINA		
4. PROJECT TITLE	USCENTAF OPERATIONAL WEATHER SQUADRON FACILITY	5. PROJECT NUMBER VLSB013001
12. SUPPLEMENTAL DATA: Design, Bid, Build		
a. Estimated Design Data:		
(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						2. DATE			
AIR FORCE		(computer generated)									
3. INSTALLATION AND LOCATION						4. COMMAND			5. AREA CONST COST INDEX		
DYESS AIR FORCE BASE, TEXAS						AIR COMBAT COMMAND			0.86		
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 99		675	4283	345				26	67	70	5,466
b. End FY 2005		672	4282	344				26	67	70	5,461
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. <u>PROJECT:</u> Construct realistic bomber training initiative. (New Mission) <u>REQUIREMENT:</u> 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. <u>CURRENT SITUATION:</u> 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. <u>IMPACT IF NOT PROVIDED:</u> 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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION DYESS AIR FORCE BASE, TEXAS		
4. PROJECT TITLE REALISTIC BOMBER TRAINING INITIATIVE	5. PROJECT NUMBER FNWZ013009	
<p>enter and exit existing training ranges.</p> <p><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.</p>		

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE																										
3. INSTALLATION AND LOCATION DYESS AIR FORCE BASE, TEXAS																												
4. PROJECT TITLE REALISTIC BOMBER TRAINING INITIATIVE	5. PROJECT NUMBER FNWZ013009																											
<p>12. SUPPLEMENTAL DATA: Design, Bid, Build</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0" style="width: 100%;"> <tr> <td>(a) Date Design Started</td> <td style="text-align: right;">99 JAN 26</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td style="text-align: right;">Y</td> </tr> <tr> <td>* (c) Percent Complete as of Jan 2000</td> <td style="text-align: right;">35%</td> </tr> <tr> <td>* (d) Date 35% Designed.</td> <td style="text-align: right;">99 DEC 20</td> </tr> <tr> <td>(e) Date Design Complete</td> <td style="text-align: right;">00 SEP 01</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td style="text-align: right;">NA</td> </tr> </table> <p>(2) Basis:</p> <table border="0" style="width: 100%;"> <tr> <td>(a) Standard or Definitive Design -</td> <td style="text-align: right;">NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td style="text-align: right;">N/A</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0" style="width: 100%;"> <tr> <td>(a) Production of Plans and Specifications</td> <td style="text-align: right;">730</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td style="text-align: right;">366</td> </tr> <tr> <td>(c) Total</td> <td style="text-align: right;">1096</td> </tr> <tr> <td>(d) Contract</td> <td style="text-align: right;">913</td> </tr> <tr> <td>(e) In-house</td> <td style="text-align: right;">183</td> </tr> </table> <p>(3a) Construction Contract Award Date 01 JAN</p> <p>(4) Construction Start 01 MAR</p> <p>(5) Construction Completion 02 SEP</p> <p>* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(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	(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used -	N/A	(a) Production of Plans and Specifications	730	(b) All Other Design Costs	366	(c) Total	1096	(d) Contract	913	(e) In-house	183
(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																											
(a) Standard or Definitive Design -	NO																											
(b) Where Design Was Most Recently Used -	N/A																											
(a) Production of Plans and Specifications	730																											
(b) All Other Design Costs	366																											
(c) Total	1096																											
(d) Contract	913																											
(e) In-house	183																											

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX			
LACKLAND AIR FORCE BASE, TEXAS				AIR EDUCATION AND TRAINING COMMAND				0.82			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
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						COST		DESIGN STATUS			
<u>CODE</u>		<u>PROJECT TITLE</u>				<u>SCOPE</u>		<u>(\$000)</u>		<u>START</u> <u>CMPL</u>	
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 Battlelab; 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 AIR FORCE (computer generated)	2. DATE
3. INSTALLATION AND LOCATION LACKLAND AIR FORCE BASE, TEXAS		
4. PROJECT TITLE DORMITORY (96 RM)	5. PROJECT NUMBER MPLS023293	
<p>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</p>		

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



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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**Table Of Contents
Fiscal Year (FY) 2001
President's Budget**

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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 COST INDEX			
HILL AIR FORCE BASE, UTAH				AIR FORCE MATERIEL COMMAND				1.05			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
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		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								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			2. DATE
AIR FORCE	(computer generated)			
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 C-130 CORROSION CONTROL FACILITY(WORKING CAPITAL FUND)	5. PROJECT NUMBER KRSM993014
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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	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 STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 99		2031	6567	1687				58	107	254	10,704
b. End FY 2005		2030	6560	1687				58	107	254	10,696
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						COST		DESIGN STATUS			
<u>CODE</u>		<u>PROJECT TITLE</u>				<u>SCOPE</u>		<u>(\$000)</u>		<u>START</u> <u>CMPL</u>	
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		2. DATE	
AIR FORCE		(computer generated)			
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 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. 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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION LANGLEY AIR FORCE BASE, VIRGINIA		
4. PROJECT TITLE DORMITORY (96 RM)	5. PROJECT NUMBER MUHJ013001	
<p>demolished, and the second rerouted around the dormitory area. These upgrades will provide a modern dormitory area.</p> <p><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.</p> <p><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</p>		

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 COST INDEX			
MCCHORD AIR FORCE BASE, WASHINGTON	AIR MOBILITY COMMAND						1.08			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
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						COST	DESIGN STATUS			
CODE	PROJECT TITLE				SCOPE	(\$000)	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	FY 2001 MILITARY CONSTRUCTION PROJECT DATA			2. DATE
AIR FORCE	(computer generated)			
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
MCCHORD AIR FORCE BASE, WASHINGTON		C-17 ADD/ALTER 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	UNIT COST	COST (\$000)
C-17 ADD/ALTER NOSE DOCKS				3,066
ADD TO NOSE DOCK	SM	700	1,880	(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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE																										
3. INSTALLATION AND LOCATION MCCHORD AIR FORCE BASE, WASHINGTON																												
4. PROJECT TITLE C-17 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT	5. PROJECT NUMBER POWY013051																											
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data: Design, Bid, Build</p> <p>(1) Status:</p> <table border="0" style="width: 100%;"> <tr> <td style="padding-left: 20px;">(a) Date Design Started</td> <td style="text-align: right;">99 JAN 26</td> </tr> <tr> <td style="padding-left: 20px;">(b) Parametric Cost Estimates used to develop costs</td> <td style="text-align: right;">Y</td> </tr> <tr> <td style="padding-left: 20px;">* (c) Percent Complete as of Jan 2000</td> <td style="text-align: right;">15%</td> </tr> <tr> <td style="padding-left: 20px;">* (d) Date 35% Designed.</td> <td style="text-align: right;">00 JAN 30</td> </tr> <tr> <td style="padding-left: 20px;">(e) Date Design Complete</td> <td style="text-align: right;">00 SEP 15</td> </tr> <tr> <td style="padding-left: 20px;">(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td style="text-align: right;">Y</td> </tr> </table> <p>(2) Basis:</p> <table border="0" style="width: 100%;"> <tr> <td style="padding-left: 20px;">(a) Standard or Definitive Design -</td> <td style="text-align: right;">YES</td> </tr> <tr> <td style="padding-left: 20px;">(b) Where Design Was Most Recently Used -</td> <td style="text-align: right;">MCCHORD</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0" style="width: 100%;"> <tr> <td style="padding-left: 20px;">(a) Production of Plans and Specifications</td> <td style="text-align: right;">310</td> </tr> <tr> <td style="padding-left: 20px;">(b) All Other Design Costs</td> <td style="text-align: right;">138</td> </tr> <tr> <td style="padding-left: 20px;">(c) Total</td> <td style="text-align: right;">448</td> </tr> <tr> <td style="padding-left: 20px;">(d) Contract</td> <td style="text-align: right;">345</td> </tr> <tr> <td style="padding-left: 20px;">(e) In-house</td> <td style="text-align: right;">103</td> </tr> </table> <p>(3a) Construction Contract Award Date 01 MAR</p> <p>(4) Construction Start 01 APR</p> <p>(5) Construction Completion 02 MAY</p> <p>* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(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	(a) Standard or Definitive Design -	YES	(b) Where Design Was Most Recently Used -	MCCHORD	(a) Production of Plans and Specifications	310	(b) All Other Design Costs	138	(c) Total	448	(d) Contract	345	(e) In-house	103
(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																											
(a) Standard or Definitive Design -	YES																											
(b) Where Design Was Most Recently Used -	MCCHORD																											
(a) Production of Plans and Specifications	310																											
(b) All Other Design Costs	138																											
(c) Total	448																											
(d) Contract	345																											
(e) In-house	103																											

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MCCHORD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE C-17 ADD/ALTER NOSE DOCKS	5. PROJECT NUMBER PQWY993051	
<p>ADDITIONAL: 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</p>		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
MCCHORD AIR FORCE BASE, WASHINGTON		
4. PROJECT TITLE	5. PROJECT NUMBER	
C-17 ADD/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							2. DATE		
AIR FORCE		(computer generated)									
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	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	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	
<p>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.</p> <p><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.</p> <p><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</p>		

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						COST		DESIGN STATUS			
CODE	PROJECT TITLE	SCOPE				(\$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 PROJECT: Construct a command and control support facility. (New Mission) REQUIREMENT: 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. CURRENT SITUATION: 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.

IMPACT IF NOT PROVIDED: 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.

ADDITIONAL: 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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION F.E. WARREN AIR FORCE BASE, WYOMING		
4. PROJECT TITLE COMMAND AND CONTROL SUPPORT FACILITY	5. PROJECT NUMBER 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 COST INDEX						
F E WARREN AIR FORCE BASE, WYOMING	AIR FORCE			1.01						
	SPACE COMMAND									
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
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						COST	DESIGN STATUS			
CODE	PROJECT TITLE	SCOPE			(\$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 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 AIR FORCE	FY 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION F. E. WARREN AIR FORCE BASE, WYOMING		
4. PROJECT TITLE MMIII MISSILE SERVICE COMPLEX	5. PROJECT NUMBER GHLN973001	
<p>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.</p> <p><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.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." An economic analysis has been prepared comparing the alternatives of new construction, 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.</p>		

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	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:										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						COST		DESIGN STATUS			
<u>CODE</u>		<u>PROJECT TITLE</u>				<u>SCOPE</u>		<u>(\$000)</u>		<u>START</u> <u>CMPL</u>	
100-000		SPECIAL TACTICAL UNIT DETACHMENT FACILITY				LS		1,810		APR 99 AUG 00	
						TOTAL:		1,810			
9a. Future Projects: Included in the Following Program (FY 2002)											
100-000		SPECIAL TACTICAL UNIT DETACHMENT FACILITY				LS		4,458			
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			2. DATE
AIR FORCE	(computer generated)			
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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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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**Table Of Contents
Fiscal Year (FY) 2001
President's Budget**

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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			
DIEGO GARCIA, BRITISH INDIAN OCEAN TERRITORY					AIR FORCE SPACE COMMAND			2.45			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
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		PROJECT TITLE				SCOPE		COST (\$000)		DESIGN STATUS	
CODE										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		2. DATE	
AIR FORCE		(computer generated)			
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			COST INDEX			
AVIANO AIR BASE, ITALY	UNITED STATES AIR FORCES IN EUROPE						1.33			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
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						COST		DESIGN STATUS		
CODE	PROJECT TITLE				SCOPE	(\$000)	START	Cmpl		
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			2. DATE
AIR FORCE	(computer generated)			
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 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 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. 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.				

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION AVIANO AIR BASE, ITALY		
4. PROJECT TITLE DORMITORY (102 RM)	5. PROJECT NUMBER ASHE013003A	
<p>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.</p>		

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 AIR FORCE (computer generated)								2. DATE	
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			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
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						COST		DESIGN STATUS			
<u>CODE</u>		<u>PROJECT TITLE</u>				<u>SCOPE</u>		<u>(\$000)</u>		<u>START</u> <u>CMP</u>	
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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION KUNSAN AIR BASE, KOREA		
4. PROJECT TITLE UPGRADE WATER DISTRIBUTION SYSTEM	5. PROJECT NUMBER MLWR013105	
<p>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</p>		

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										2. DATE	
AIR FORCE	(computer generated)											
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			TOTAL	
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV		
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			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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION OSAN AIR BASE, KOREA (156 RM)		
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER SMYU973011	
<p>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</p>		

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	
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	OSAN AIR BASE, KOREA						4. COMMAND	PACIFIC AIR FORCES			5. AREA CONST COST INDEX	1.06
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL		
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV			
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	CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	STATUS CPL						
	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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION OSAN AIR BASE, KOREA		
4. PROJECT TITLE UPGRADE WATER DISTRIBUTION SYSTEM	5. PROJECT NUMBER SMYU973040	
<p>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.</p>		

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
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	ROTA NAVAL AIR STATION, SPAIN			4. COMMAND	AIR MOBILITY COMMAND			5. AREA CONST COST INDEX	1.12	
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			
	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										
<u>CODE</u>	<u>PROJECT TITLE</u>			<u>SCOPE</u>	<u>COST (\$000)</u>	<u>DESIGN STATUS</u>				
						<u>START</u>	<u>CMPL</u>			
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 PHASE 1			LS	34,500					
					TOTAL:	34,500				
9b. Future Projects: Typical Planned Next Three Years:										
113-321	AIRCRAFT PARKING APRON, PHASE 2			LS	14,100					
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	FY 2001 MILITARY CONSTRUCTION PROJECT DATA			2. DATE
AIR FORCE	(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	UNIT COST	COST (\$000)
ENHANCED ROTA, VARIOUS FACILITIES	LS			3,542
AIRCRAFT MAINTENANCE	SM	419	1,480	(620)
FORWARD SUPPLY WAREHOUSE .	SM	738	725	(535)
POL OPERATIONS	SM	459	1,401	(643)
FUEL FILTER FACILITY	SM	164	451	(74)
TRUCK REFUEL FACILITY	SM	111	450	(50)
FLEET POST OFFICE	SM	824	1,578	(1,300)
AERO CLUB HANGAR	SM	465	688	(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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION ROTA NAVAL STATION, SPAIN		
4. PROJECT TITLE ENHANCED ROTA, VARIOUS FACILITIES	5. PROJECT NUMBER ASKE013001	
<p>facilities.</p> <p><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.</p> <p><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: CDR 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</p>		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
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 COST INDEX			
INCIRLIK AIR BASE, TURKEY					UNITED STATES AIR FORCES IN EUROPE			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		7,440 SM		5,200					
				TOTAL:		5,200					
9b. Future Projects: Typical Planned Next Three Years:											
131-111		CONSOLIDATED COMMUNICATIONS FACILITY		2,150 SM		2,100					
872-247		FORCE PROTECTION PERIMETER IMPROVEMENTS		80,000 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 (computer generated)		2. DATE	
AIR FORCE					
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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION INCIRLIK AIR BASE, TURKEY		
4. PROJECT TITLE FIRE TRAINING FACILITY	5. PROJECT NUMBER LJYC003005	
<p>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.</p> <p>ADDITIONAL: 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</p>		

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE																										
3. INSTALLATION AND LOCATION INCIRLIK AIR BASE, TURKEY																												
4. PROJECT TITLE FIRE TRAINING FACILITY	5. PROJECT NUMBER LJYC003005																											
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data: Design, Bid, Build</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>99 JAN 26</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>Y</td> </tr> <tr> <td>* (c) Percent Complete as of Jan 2000</td> <td>15%</td> </tr> <tr> <td>* (d) Date 35% Designed.</td> <td>00 JAN 15</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>00 SEP 01</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td></td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>60</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>30</td> </tr> <tr> <td>(c) Total</td> <td>90</td> </tr> <tr> <td>(d) Contract</td> <td>75</td> </tr> <tr> <td>(e) In-house</td> <td>15</td> </tr> </table> <p>(3a) Construction Contract Award Date 00 DEC</p> <p>(4) Construction Start 01 JAN</p> <p>(5) Construction Completion 01 AUG</p> <p>* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>			(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		(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used -	N/A	(a) Production of Plans and Specifications	60	(b) All Other Design Costs	30	(c) Total	90	(d) Contract	75	(e) In-house	15
(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																												
(a) Standard or Definitive Design -	NO																											
(b) Where Design Was Most Recently Used -	N/A																											
(a) Production of Plans and Specifications	60																											
(b) All Other Design Costs	30																											
(c) Total	90																											
(d) Contract	75																											
(e) In-house	15																											

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Department of the Air Force

Military Construction and Family Housing Program

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

**Justification Data Submitted to Congress
February 2000**

Table of Contents

**Table Of Contents
Fiscal Year (FY) 2001
President's Budget**

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Unspecified Minor Construction

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM						2. DATE			
AIR FORCE		(computer generated)									
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST COST INDEX			
VARIOUS LOCATIONS								0.00			
6. PERSONNEL STRENGTH		PERMANENT		STUDENTS			SUPPORTED			TOTAL	
		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. <u>REQUIREMENT</u> : 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										2. DATE		
AIR FORCE										FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)		
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 START		STATUS 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									5. AREA CONST COST INDEX		
3. INSTALLATION AND LOCATION					4. COMMAND			0.86			
TINKER AIR FORCE BASE, OKLAHOMA					AIR FORCE			MATERIEL COMMAND			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	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	DESIGN STATUS			
CODE						(\$000)	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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA		
4. PROJECT TITLE DEPOT CORROSION CONTROL STRIP FACILITY (WORKING CAPITAL FUND)	5. PROJECT NUMBER WWYK983156	
<p>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.</p>		

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 DEPOT CORROSION CONTROL STRIP FACILITY (WORKING CAPITAL FUND)	5. PROJECT NUMBER 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				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											
CODE		PROJECT TITLE				SCOPE		COST (\$000)		DESIGN STATUS	
								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 AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH		
4. PROJECT TITLE C-130 CORROSION CONTROL FACILITY(WORKING CAPITAL FUND)	5. PROJECT NUMBER KRSM993014	
<p>and additional time delays will occur in returning mission ready aircraft to flying status.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." An economic analysis has been prepared comparing the alternatives of new construction, 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.</p>		

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<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <table border="0"> <tr> <td>(1) Project to be accomplished by design-build procedures</td> <td></td> </tr> <tr> <td>(2) Basis:</td> <td></td> </tr> <tr> <td> (a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td> (b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> <tr> <td>(3) Design Allowance</td> <td>825</td> </tr> <tr> <td>(3a) Construction Contract Award Date</td> <td>00 DEC</td> </tr> <tr> <td>(4) Construction Start</td> <td>01 JUL</td> </tr> <tr> <td>(5) Construction Completion</td> <td>03 SEP</td> </tr> <tr> <td>(6) Energy Study/Life-Cycle analysis was/will be performed</td> <td>Y</td> </tr> </table> <p>b. Equipment associated with this project will be provided from other appropriations:</p> <table border="0"> <thead> <tr> <th data-bbox="203 1144 537 1200">EQUIPMENT NOMENCLATURE</th> <th data-bbox="708 1144 915 1200">PROCURING APPROPRIATION</th> <th data-bbox="972 1112 1167 1200">FISCAL YEAR APPROPRIATED OR REQUESTED</th> <th data-bbox="1295 1144 1386 1200">COST (\$000)</th> </tr> </thead> <tbody> <tr> <td data-bbox="203 1208 647 1234">INITIAL OUTFITTING EQUIPMENT</td> <td data-bbox="786 1208 850 1234">DMAG</td> <td data-bbox="1021 1208 1118 1234">FY2001</td> <td data-bbox="1308 1208 1373 1234">6120</td> </tr> </tbody> </table>			(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	EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)	INITIAL OUTFITTING EQUIPMENT	DMAG	FY2001	6120
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