



Department of the Air Force

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# **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**

<u>General</u>	<b>Page Number</b>
Table of Contents .....	1
Program Summary .....	3
 <u>Military Construction</u>	
State Summary (List of Projects) .....	5
New Mission/Current Mission Exhibit.....	13
Installation Index .....	21
<b>Special Program Considerations:</b>	
Statements .....	23
Congressional Reporting Requirements .....	24
Research and Development .....	26
Third Party Financing .....	27
Appropriation Language .....	29
Inside the United States Construction Projects.. .....	31
Outside the United States Construction Projects.. .....	231
Unspecified Minor Construction .....	259
Planning and Design .....	261
Working Capital Funds Construction Projects.....	263

## Outside 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			
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		
<u>CODE</u>									<u>START</u>	<u>CMPL</u>	
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	AVIANO AIR BASE, ITALY			4. COMMAND	UNITED STATES AIR FORCES IN EUROPE			5. AREA CONST COST INDEX	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	CMPLE		
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:		<b>Design, Bid, Build</b>
(1) Status:		
(a) Date Design Started		99 JAN 26
(b) Parametric Cost Estimates used to develop costs		Y
* (c) Percent Complete as of Jan 2000		15%
* (d) Date 35% Designed.		99 DEC 15
(e) Date Design Complete.		00 SEP 01
(f) Energy Study/Life-Cycle analysis was/will be performed		Y
(2) Basis:		
(a) Standard or Definitive Design -		YES
(b) Where Design Was Most Recently Used -		AVIANO
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		480
(b) All Other Design Costs		240
(c) Total		720
(d) Contract		600
(e) In-house		120
(3a) Construction Contract Award Date		01 MAY
(4) Construction Start		01 JUN
(5) Construction Completion		02 AUG
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
AIR FORCE											
3. INSTALLATION AND LOCATION						4. COMMAND			5. AREA CONST COST INDEX		
KUNSAN AIR BASE, KOREA						PACIFIC AIR FORCES			1.07		
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			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			
CODE	PROJECT TITLE	SCOPE					(\$000)	START	Cmpl		
841-165	UPGRADE WATER DISTRIBUTION SYSTEM						LS 6,400	JAN 99	AUG 00		
						TOTAL:	6,400				
9a. Future Projects: Included in the Following Program (FY 2002) NONE											
9b. Future Projects: Typical Planned Next Three Years:											
721-312 DORMITORY		100 RM					6,900				
10. Mission or Major Functions: The host fighter wing supports two F-16 squadrons. A joint use agreement with Korea permits use of the runway by Korean civil air carriers.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:										0	
b. Water pollution:										0	
c. Occupational safety and health:										0	
d. Other Environmental:										0	
12. Real Property Maintenance Backlog This Installation										70,405	

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
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)
PRESSEDIMENTATION 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 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>12. SUPPLEMENTAL DATA: <span style="float: right;"><b>Design, Bid, Build</b></span></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 29</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 30</td> </tr> <tr> <td style="padding-left: 20px;">(e) Date Design Complete</td> <td style="text-align: right;">00 AUG 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;">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): <span style="float: right;">(\$000)</span></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;">384</td> </tr> <tr> <td style="padding-left: 20px;">(b) All Other Design Costs</td> <td style="text-align: right;">192</td> </tr> <tr> <td style="padding-left: 20px;">(c) Total</td> <td style="text-align: right;">576</td> </tr> <tr> <td style="padding-left: 20px;">(d) Contract</td> <td style="text-align: right;">476</td> </tr> <tr> <td style="padding-left: 20px;">(e) In-house</td> <td style="text-align: right;">100</td> </tr> </table> <p>(3a) Construction Contract Award Date <span style="float: right;">00 DEC</span></p> <p>(4) Construction Start <span style="float: right;">01 JAN</span></p> <p>(5) Construction Completion <span style="float: right;">02 AUG</span></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 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	(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used -	N/A	(a) Production of Plans and Specifications	384	(b) All Other Design Costs	192	(c) Total	576	(d) Contract	476	(e) In-house	100
(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																											
(a) Standard or Definitive Design -	NO																											
(b) Where Design Was Most Recently Used -	N/A																											
(a) Production of Plans and Specifications	384																											
(b) All Other Design Costs	192																											
(c) Total	576																											
(d) Contract	476																											
(e) In-house	100																											

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											
<u>CODE</u>		<u>PROJECT TITLE</u>				<u>SCOPE</u>		<u>COST (\$000)</u>		<u>DESIGN STATUS</u>	
								<u>START</u>		<u>CMPLE</u>	
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:		<b>Design, Bid, Build</b>
(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 Cmpl						
	721-312	DORMITORY	156 RM	11,348	JAN 99	AUG 00						
	841-165	UPGRADE WATER DISTRIBUTION SYSTEM	LS	10,600	JAN 99	AUG 00						
	TOTAL:			21,948								
9a. Future Projects: Included in the Following Program (FY 2002)												
	721-312	DORMITORY	156 RM	12,000								
	TOTAL:			12,000								
9b. Future Projects: Typical Planned Next Three Years:												
	721-312	DORMITORY	156 RM	12,900								
	721-312	DORMITORY	156 RM	12,900								
10. Mission or Major Functions: The host fighter wing supports an F-16 squadron, and an A/OA-10 squadron. The installation also hosts Headquarters, Seventh Air Force and a special operations squadron (MH-53J). Other major activities include a civil engineering heavy repair squadron (RED HORSE), an Air Mobility Command air mobility support squadron; an Air Combat Command reconnaissance squadron, and an intelligence squadron.												
11. Outstanding pollution and safety (OSHA) deficiencies:												
	a. Air pollution:									0		
	b. Water pollution:									0		
	c. Occupational safety and health:									0		
	d. Other Environmental:									0		
12. Real Property Maintenance Backlog This Installation												
									75,650			

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

1. COMPONENT 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: <span style="float: right;"><b>Design, Bid, Build</b></span>		
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): <span style="float: right;">(\$000)</span>		
(a) Production of Plans and Specifications		636
(b) All Other Design Costs		318
(c) Total		954
(d) Contract		854
(e) In-house		100
(3a) Construction Contract Award Date		00 DEC
(4) Construction Start		01 JAN
(5) Construction Completion		03 JAN
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)							2. DATE		
AIR FORCE											
3. INSTALLATION AND LOCATION					4. COMMAND			5. AREA CONST			
ROTA NAVAL AIR STATION, SPAIN					AIR MOBILITY			COST INDEX			
					COMMAND			1.12			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		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 STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
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: <b>Design, Bid, Build</b></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
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