



Department of the Air Force

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# **Military Construction and Family Housing Program**

**Fiscal Year (FY) 2002  
Amended Budget Submission**

**Justification Data Submitted to Congress  
June 2001**



## Outside the United States Construction Projects

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1. COMPONENT AIR FORCE	<b>FY2002 MILITARY CONSTRUCTION PROGRAM (computer generated)</b>							2. DATE		
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY				4. COMMAND UNITED STATES AIR FORCES IN EUROPE				5. AREA CONST COST INDEX 1.45		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	FNL	CIV	OFF	FNI	CIV	OFF	FNI	CIV	
a. As of 30 Sep 00	1,261	6,565	2,780				1,584	1,250	265	13,705
b. End FY 2005	1,269	6,686	2,735				1,584	1,250	265	13,789
7. INVENTORY DATA \$(000)										
a. Total Acreage 3,102										
b. Inventory Totals as of: 30 Sep 00 371,551										
c. Authorization Not Yet In Inventory: 9,665										
d. Authorization Requested In this Program: 42,900										
e. Authorization Included In Following Program: (FY2003) 30,650										
f. Planned in Next Four Program Years: 53,882										
a. Remainina Deficiency: <u>135,502</u>										
h. Grand Total: 644,150										
3. Projects Requested in this Program: FY2002										
CATEGORY					SCOPE		COST DESIGN STATUS			
CODE	PROJECT TITLE						\$(000)	START	CMP	
141-454	Consolidate 1st Combat Communications Squadron Complex Ph I				3,629	SM	\$15,000	Jun 01	Apr 02	
141-782	Freight Terminal & Defense Courier Service				9,376	SM	\$9,400	MAY 00	DEC 01	
721-312	Dormitory				120	RM	\$11,000	MAR 00	AUG 01	
812-223	Upgrade Utility Infrastructure				1	LS	\$2,900	MAY 00	DEC 01	
851-147	Strategic Lift Area Expansion				1	LS	\$4,600	MAY 00	DEC 01	
							Total	\$42,900		
9a. Future Projects: Included in the Following Program: (FY2003)										
141-784	Passenger Terminal Annex				525	SM	\$16,700			
141-785	Combined Fleet Service/flight Kitchen				3,114	SM	\$7,200			
740-873	Ramstein Infrastructure Improvements				1	LS	\$6,750			
							Total	\$30,650		
9b. Future Projects: Typically Planned Next Four Years										
214-425	Vehicle Maintenance Facility, Ph I				2,450	SM	\$7,300			
721-312	Dormitory				96	RM	\$11,321			
721-312	Dormitory				96	RM	\$13,551			
740-674	Fitness Center				5,356	SM	\$13,900			
851-147	North East Road				13,500	SM	\$7,810			
9c. Real Property Maintenance Backlog This Installation									102	
10. Mission or Major Functions: A host airlift wing supporting a C-130E squadron, a C-9A squadron and a squadron composed of C-20A, and C-21A aircraft; Headquarters, United States Air Forces in Europe and Headquarters, Allied Air Forces Central Europe.										
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

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY FED REP OF		4. PROJECT TITLE CONSOLIDATED 1 ST COMBAT COMMUNICATIONS SQUADRON COMPLEX PH 1		
5. PROGRAM ELEMENT 22176	6. CATEGORY CODE 141-454	7. PROJECT NUMBER TYFR023046	8. PROJECT COST (\$000) 15.000	
9. COST ESTIMATES				
ITFM	U/M	QUANTITY	UNIT COST	COST (\$000)
COMBAT COMMUNICATIONS SQUADRON COMPLEX	LS			8,552
SPECIAL OPERATIONS	SM	1,486	2,274	(3,379)
VEHICLE MAINTENANCE	SM	557	2,366	(1,318)
COMMUNICATIONS MAINTENANCE FACILITY	SM	1,586	2,254	(3,575)
ANTI-TERRORISM/FORCE PROTECTION	LS			(280)
SUPPORTING FACILITIES				4,983
UTILITIES	LS			(1,189)
SITE IMPROVEMENTS	LS			(644)
PAVEMENTS/PARKING OPS	LS			(3,150)
SUBTOTAL				13,535
CONTINGENCY ( 5.0%)				677
TOTAL CONTRACT COST				14,212
SUPERVISION, INSPECTION & OVERHEAD ( 6.5 %)				924
TOTAL REQUEST				15,135
TOTAL REQUEST (ROUNDED)				15,000
<b>CF Budget Rate used: European Community Euro 1.196</b>				
<p>0. Description of Proposed Construction: Multi-story concrete with concrete foundation, floor slab, masonry or nodular constructed walls and sloped roof system. Includes elevator, oil-water separator, utilities, site work, pavements, force protection, access roads including surrounding fence and area lighting system and all other necessary support.</p>				
<p>II. REQUIREMENT: 10,729 SM ADEQUATE: SM SUBSTANDARD: 9,135 SM</p> <p><b>PROJECT:</b> Construct a combat communications squadron complex (Current Mission).</p> <p><b>REQUIREMENT:</b> Properly sized and configured administrative, operations, and maintenance facilities to provide rapid deployable communications and air traffic control services throughout Europe, Africa, and the Middle East. The unit supports the United Nations, Joint Chiefs of Staff, North Atlantic Treaty Organization, United States European Command, Department of State, and US/coalition task forces during wartime, exercises, and military operations other than war as directed by United States Air Forces in Europe.</p> <p><b>CURRENT SITUATION:</b> Existing squadron is currently scattered throughout eleven facilities, which consist of an old flight operations building and ten hardened aircraft shelters, and are not adequate to meet mission requirements. Existing facilities were meant to be temporary so no major improvements have been made. Parking location restricts the ability to rapidly assemble and transfer assets to the Ramstein AB flightline due to restricted traffic patterns and roads. Relocation and replacement of these facilities is identified for the first phase of the Ramstein Area Development Plan which outlines facility construction requirements necessary to optimize tactical and strategic airlift operations at Ramstein Air Base.</p> <p><b>IMPACT IF NOT PROVIDED:</b> Combat Communications Squadron operations will continue to be hindered due to less than optimum operating conditions. As the most heavily tasked communication unit in the US European Command, it is imperative that these facilities and associated acreage be made available to the unit as soon as possible. This will allow the Communication Squadron to improve their ability to provide crucial command, control, and communications for the war-fighter within mandatory reaction response times.</p>				

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5. PROGRAM ELEMENT 22176	6. CATEGORY CODE 141-454	7. PROJECT NUMBER TYFR023046	8. PROJECT COST (\$000) 15,000		
<p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." Although this project is not eligible for NATO funding, a precautionary prefinance statement will be filed to allow for future recoupment should eligibility be established. Force protection measures are considered IAW the USAF Installation Force Protection Guide. A preliminary analysis of reasonable options was done and indicates only one option meets operational requirements. BASE CIVIL ENGINEER: Col Edward Pokora : 011-49-6371-47-6228." Special Operations: 1,486 SM = 15,989 SF; Vehicle Maintenance: 557 SM = 5,993 SF; Communications Maintenance Facility: 1,586 SM = 17,065 SF.</p>					

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<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 style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">(a) Date Design Started</td> <td style="text-align: right;">25-Jun-01</td> </tr> <tr> <td style="padding-left: 20px;">(b) Parametric Cost Estimates used to develop costs</td> <td style="text-align: right;">YES</td> </tr> <tr> <td style="padding-left: 20px;">* (c) Percent Complete as of Jan 01</td> <td style="text-align: right;">1 %</td> </tr> <tr> <td style="padding-left: 20px;">• (d) Date 35% Designed.</td> <td style="text-align: right;">08-Oct-01</td> </tr> <tr> <td style="padding-left: 20px;">(e) Date Design Complete</td> <td style="text-align: right;">28-Apr-02</td> </tr> <tr> <td style="padding-left: 20px;">(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td style="text-align: right;">YES</td> </tr> </table> <p>(2) Basis:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">(a) Standard of 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></td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or(d) + (e): <span style="float: right;">(\$000)</span></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">(a) Production of Plans and Specifications</td> <td style="text-align: right;">900</td> </tr> <tr> <td style="padding-left: 20px;">(b) All Other Design Costs</td> <td style="text-align: right;">450</td> </tr> <tr> <td style="padding-left: 20px;">(c) Total</td> <td style="text-align: right;">1,350</td> </tr> <tr> <td style="padding-left: 20px;">(d) Contract</td> <td style="text-align: right;">1,125</td> </tr> <tr> <td style="padding-left: 20px;">(e) In-house</td> <td style="text-align: right;">225</td> </tr> </table> <p>(4) Construction Contract Award Date <span style="float: right;">02 Jun</span></p> <p>(5) Construction Start <span style="float: right;">02 Aug</span></p> <p>(6) Construction Completion <span style="float: right;">04 Jan</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: <span style="margin-left: 100px;"><b>N/A</b></span></p>			(a) Date Design Started	25-Jun-01	(b) Parametric Cost Estimates used to develop costs	YES	* (c) Percent Complete as of Jan 01	1 %	• (d) Date 35% Designed.	08-Oct-01	(e) Date Design Complete	28-Apr-02	(f) Energy Study/Life-Cycle analysis was/will be performed	YES	(a) Standard of Definitive Design -	NO	(b) Where Design Was Most Recently Used -		(a) Production of Plans and Specifications	900	(b) All Other Design Costs	450	(c) Total	1,350	(d) Contract	1,125	(e) In-house	225
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3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY FED REP OF		4. PROJECT TITLE DORMITORY		
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 721-312	7. PROJECT NUMBER TYFR003006	8. PROJECT COST (\$000) 11,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (120 RM)	LS			7,968
DORMITORY	SM	3,960	2,002	(7,928)
ANTI-TERRORISM/FORCE PROTECTION	LS			(40)
SUPPORTING FACILITIES				1,889
UTILITIES	LS			(680)
PAVEMENTS	LS			()
SITE IMPROVEMENTS	LS			(489)
PARKING AND PAVEMENTS	LS			(720)
SUBTOTAL				9,857
CONTINGENCY ( 5.0%)				493
TOTAL CONTRACT COST				10,350
SUPERVISION, INSPECTION & OVERHEAD ( 6.5 %)				673
TOTAL REQUEST				11,023
TOTAL REQUEST (ROUNDED)				11,000
<b>FCF Budget Rate used: European Community Euro 1.196</b>				
10. Description of Proposed Construction: Three-story structure with reinforced concrete foundation and floor slabs, masonry walls, roof system. Includes room-bath-room modules, laundries, storage and lounge areas, site improvement, fire protection and noise attenuation. Includes all utilities, communications, parking, and necessary support. Antiterrorism/Force Protection measures must address the highest threat level identified. Grade Mix: 120 EI-E4.				
11. REQUIREMENT: 1,956 RM ADEQUATE: 1,649 RM SUBSTANDARD: RM				
<u>PROJECT:</u> Construct new Dormitory 120 PN. (Current Mission)				
<u>REQUIREMENT:</u> A major Air Force objective provides unaccompanied enlisted personnel with housing conducive to their 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. The retention of these highly trained airmen is essential to our readiness posture and continuing world-wide presence. As an overseas location with a sensitive mission, the dormitory must be constructed to deter terrorist activity and protect occupants from terrorist attack. This project is in accordance with the Air Force Dormitory Master Plan.				
<u>CURRENT SITUATION:</u> The base has insufficient on-base housing to accommodate unaccompanied enlisted personnel. This project is in compliance 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 is not currently eligible for NATO funding based on NATO Approved Criteria & standards for Tactical & Transport Airfields-6th Edition criteria and we do not anticipate it becoming eligible in the future. This project meets the criteria/scope specified in the new uniform barracks construction standard, known as "one-plus-one," established by OSD. All known alternatives were considered during the development of this				

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<p>project. No other option could meet mission requirements. Therefore, no economic analysis was needed or performed. FY99 Unaccompanied Housing RPM Conducted: \$2,200K; Future Unaccompanied Housing RPM (Estimated): FY00=\$485K; FY01=\$3,200K; FY02=\$3,300K; FY03=\$3,300K. BCE Col Edward Pokora 011-49-6371-47-6228 Dormitory: 3,960 SM = 42,625SF</p>			

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5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 141-782	7. PROJECT NUMBER TYFR993219	8. PROJECT COST (\$000) 9.400	
<b>9. COST ESTIMATES</b>				
ITEM	U/N	QUANTITY	UNIT COST	COST (\$000)
FREIGHT TERMINAL & DCS	LS			7,202
FREIGHT TERMINAL	SM	7,500	750	(5,625)
COVERED STORAGE & DOCKS	SM	1,700	325	(553)
DEFENSE COURIER SERVICE	SM	1,320	694	(916)
SCALE	SM	56	810	(45)
ANTITERRORISM/FORCE PROTECTION	LS			(63)
SUPPORTING FACILITIES				1,206
UTILITIES	LS			(510)
PAVEMENTS	LS			(390)
SITE IMPROVEMENTS	LS			(306)
SUBTOTAL				8,408
CONTINGENCY ( 5.0%)				420
TOTAL CONTRACT COST				8,828
SUPERVISION, INSPECTION & OVERHEAD ( 6.5 %)				574
<b>TOTAL REQUEST</b>				<b>9,402</b>
TOTAL REQUEST (ROUNDED)				9,400
<b>FCF Budget Rate used: European Community Euro 1.196</b>				
<p>10. Description of Proposed Construction: Construct a high-bay facility with concrete foundations, concrete floor slab, masonry walls, structural shell, pitched roofs, covered storage, Material Handling Equipment (MHE) Maintenance Facilities, parking and construction/relocation of utilities. Includes force protection measures to meet the local requirement.</p>				
<p>11. REQUIREMENT: 18,976 SM ADEQUATE: 8,400 SM SUBSTANDARD: 108 SM</p> <p><b>PROJECT:</b> Construct Freight Terminal and Defense Courier Service (DCS) (New Mission)</p> <p><b>REQUIREMENT:</b> Provide an adequately sized and configured freight terminal to support the transfer of strategic airlift capability from Rhein Main Air Base to Ramstein Air Base and to maintain Ramstein as an airlift hub for the European theater of operations. Facility must include space for receiving, sorting/accumulation of cargo, pallet buildup and netting, pallet storage, packing and crating, and administration. NOTE: PA SHOWN ABOVE IS FOR THE U.S. FUNDED PORTION ONLY. COMPLETE PROJECT WILL INCLUDE A 18,976 SM Freight Terminal and 7,190 SM of outdoor storage facilities. Total Payment-in-Kind funds will total DM25.5 million, or approximately \$14,890K. Antiterrorism/force protection measures to comply with local threat requirements.</p> <p><b>CURRENT SITUATION:</b> The existing freight terminal is undersized for the current mission at Ramstein AB and the closure of Rhein Main AB requires the relocation of its air freight mission to Ramstein AB. The additional mission will completely overburden existing freight handling facilities on Ramstein AB. Additionally, as a result of the proposed realignment of Ramp 5, the existing freight terminal, associated outbuildings, and pallet yards must be demolished. The Rhein Main agreement provides DM25.5M Deutsche Marks, plus all fees and design costs for the replication of freight terminal capability lost with the return of Rhein Main AB to the Flughafen Corporation.</p> <p><b>IMPACT IF NOT PROVIDED:</b> The freight transportation function will continue to operate out of a dilapidated facility that does not meet the size requirements necessary to support the current mission. When the flow of</p>				

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<p>freight exceeds the capacity of the facility, the overflow must be stored in open yards, exposing cargo to the elements and potentially damaging mission essential equipment and materials. Transfer of mission requirements from Rhein Main AB will severely compound these problems. The overcrowding of the facility leads to cargo being misdirected because of inadequate space for the proper packaging, palletization and storage of materials and equipment prior to shipment.</p> <p><u>ADDITIONAL:</u> This project is not currently eligible for NATO funding based on the Approved NATO Criteria and Standards for Tactical and Transport Airfields - 7th Edition; a precautionary pre-finance statement will be filed to allow for future recoupment should eligibility be established. This project meets the criteria/scope as specified in AFH 32-1084. Force protection measures will be considered IAW USAF Installation Force Protection Guide. Only one option meets operational requirements. An EA waiver will be prepared. Base Civil Engineer: Lt Col Macon, Comm 0049-6371-47-5007. Freight Terminal: 7,500 SM = 80,700 SF. Covered Storage &amp; Docks: 1,700 SM = 18,300 SF. Defense Courier Service: 1,320 SM = 14,200 SF.</p>			

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<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;">15-MAY-00</td> </tr> <tr> <td style="padding-left: 20px;">(b) Parametric Cost Estimates used to develop costs</td> <td style="text-align: right;">YES</td> </tr> <tr> <td style="padding-left: 20px;">(c) Percent Complete as of Jan 01</td> <td style="text-align: right;">100%</td> </tr> <tr> <td style="padding-left: 20px;">(d) Date 35% Designed.</td> <td style="text-align: right;">15-SEP-00</td> </tr> <tr> <td style="padding-left: 20px;">(e) Date Design Complete</td> <td style="text-align: right;">31-DEC-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;">YES</td> </tr> </table> <p>(2) Basis:</p> <table border="0" style="width: 100%;"> <tr> <td style="padding-left: 20px;">(a) Standard of 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></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;"><b>672</b></td> </tr> <tr> <td style="padding-left: 20px;">(b) All Other Design Costs</td> <td style="text-align: right;"><b>336</b></td> </tr> <tr> <td style="padding-left: 20px;">(c) Total</td> <td style="text-align: right;">1,008</td> </tr> <tr> <td style="padding-left: 20px;">(d) Contract</td> <td style="text-align: right;">896</td> </tr> <tr> <td style="padding-left: 20px;">(e) In-house</td> <td style="text-align: right;"><b>112</b></td> </tr> </table> <p>(4) Construction Contract Award Date <span style="float: right;">01 Dec</span></p> <p>(5) Construction Start <span style="float: right;">02 Mar</span></p> <p>(6) Construction Completion <span style="float: right;"><b>03 Dec</b></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: <span style="margin-left: 100px;"><b>N/A</b></span></p>			(a) Date Design Started	15-MAY-00	(b) Parametric Cost Estimates used to develop costs	YES	(c) Percent Complete as of Jan 01	100%	(d) Date 35% Designed.	15-SEP-00	(e) Date Design Complete	31-DEC-01	(f) Energy Study/Life-Cycle analysis was/will be performed	YES	(a) Standard of Definitive Design -	NO	(b) Where Design Was Most Recently Used -		(a) Production of Plans and Specifications	<b>672</b>	(b) All Other Design Costs	<b>336</b>	(c) Total	1,008	(d) Contract	896	(e) In-house	<b>112</b>
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1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY FED REP OF		4. PROJECT TITLE STRATEGIC LIFT AREA EXPANSION		
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 851-147	7. PROJECT NUMBER TYFR023047	8. PROJECT COST (\$000) 4,600	
<b>9. COST ESTIMATES</b>				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
STRATEGIC LIFT AREA EXPANSION	LS			3,310
PRIMARY ROAD & INTERSECTION	SM	15,750	172	(2,709)
MAIN GATE	EA	1	601,000	(601)
SUPPORTING FACILITIES				806
REFORESTRATION	SM	14,309	5	(72)
STREET LIGHTING	EA	67	2,684	(180)
SIDEWALK, BICYCLE AND JOGGING TRAIL	LM	7,500	74	(555)
SUBTOTAL				4,116
CONTINGENCY ( 5.0%)				206
TOTAL CONTRACT COST				4,322
SUPERVISION, INSPECTION & OVERHEAD ( 6.5 %)				281
TOTAL REQUEST				4,603
TOTAL REQUEST (ROUNDED)				4,600
<b>FCF Budget Rate used: European Community Euro 1.196</b>				
10. Description of Proposed Construction: All civil, structural, electrical, and communication supporting work necessary for the relocation of a portion of the primary base road including a bridge over a creek, pedestrian access across the primary road, sidewalks, bicycle/jogging trail and street lighting. Relocating of main gate including a guard house and other security measures. Includes all other necessary support.				
11. REQUIREMENT: 15,750 SM ADEQUATE: SM SUBSTANDARD: 15,750 SM				
<b>PROJECT:</b> Relocate a portion of the primary base road and the main gate (New Mission).				
<b>REQUIREMENT:</b> Relocation of the main road and the main gate is required to transfer strategic airlift capability from Rhein Main Air Base to Ramstein Air Base. Moving the road and gate provides for the necessary future relocation and expansion of the Air Mobility Command (AMC) compound in accordance with the first phase of the Ramstein Air Base Area Development Plan (ADP). The primary base road is the main distributing artery for all traffic originating outside and within the base. This main road provides access to, through, and between all various functional areas. The west gate is one of the two base main entry control points.				
<b>CURRENT SITUATION:</b> Relocation of these facilities is in the first phase of the ADP. The ADP outlines facility construction and demolition requirements necessary to optimize tactical and strategic airlift operations at Ramstein Air Base. The primary road and the main gate are currently located in the area of proposed future construction to provide for a mobility processing center, pallet storage yard, air cargo terminal and fleet service, and in-flight kitchen facilities.				
<b>IMPACT IF NOT PROVIDED:</b> Without the relocation of the primary road and the main gate, the expansion of the AMC compound, to provide adequate facilities, cannot be realized and the AMC services will be continuously hampered due to limited operating conditions. The first phase of the ADP cannot be implemented, which will prevent improvement of operational efficiency of the base.				
<b>ADDITIONAL:</b> Although this project is not currently eligible for NATO funding, a precautionary pre-finance statement will be filed to allow for future recoupment should eligibility be established. This project meets the criteria/scope specified in Air Force Handbook 32-1084 "Facility Requirements." A preliminary analysis of reasonable options was done and indicates only one option meets operational requirements. A certificate of				

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
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3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY FED REP OF	4. PROJECT TITLE STRATEGIC LIFT AREA EXPANSION
-----------------------------------------------------------------------	---------------------------------------------------

5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 851-147	7. PROJECT NUMBER TYFR023047	8. PROJECT COST (\$000) 4,600
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exception has been prepared. Base Civil Engineer: Col Edward Pokora, 01 I-49-6371 -47-6228. Relocate Road:  
15,750 SM = 169,470 SF



1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE																										
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1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY FED REP OF			4. PROJECT TITLE UPGRADE UTILITY INFRASTRUCTURE	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 812-223	7. PROJECT NUMBER TYFROOI123	8. PROJECT COST (\$000) 2,900	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE UTILITY INFRASTRUCTURE	LS			<b>2,592</b>
ELECTRICAL	LS			(1366
WATER LINES	LS			(281
SEWER LINES	LS			(415
HIGH TEMPERATURE HOT WATER LINES	LS			(281
STORM WATER	LS			(247
SUPPORTING FACILITIES				0
SUBTOTAL				2,592
CONTINGENCY ( 5.0 %)				130
TOTAL CONTRACT COST				2,722
SUPERVISION, INSPECTION & OVERHEAD ( 6.5 %)				177
TOTAL REQUEST				<b>2,899</b>
TOTAL REQUEST (ROUNDED)				<b>2,900</b>
<b>CF Budget Rate used: European Community Euro 1.196</b>				
10. Description of Proposed Construction: Upgrade and extension of electrical distribution lines, transformer stations, communication lines, sewer lines and manholes, sewer lift station, storm water collection system and high temperature hot water heating lines. The work shall include all other necessary support and must be in compliance with the current US Air Force and German regulations.				
11. REQUIREMENT: LS ADEQUATE: LS SUBSTANDARD: LS				
<u>PROJECT:</u> Upgrade Utility Infrastructure (New Mission)				
<u>REQUIREMENT:</u> Adequate utility infrastructure is required to support major new construction in support of the transfer of strategic airlift capability from Rhein Main Air Base to <b>Ramstein</b> Air Base. Significant upgrades to the existing electrical distribution system, communication system, water distribution system, storm water collection system, and waste water collection system are required in the affected area of the installation, before further construction.				
<u>CURRENT SITUATION:</u> Most of the utility infrastructure is over 40 years old and loaded to the maximum capacity. Extensive construction of new facilities related to the closure of Rhein Main Air Base and replication of strategic airlift capabilities at <b>Ramstein</b> Air Base, as well as the execution of the proposed Area Development Plan (ADP), will increase the demand on existing utility infrastructure in this area of the installation. Relocation of existing facilities necessitates the rerouting of existing utilities and infrastructure.				
<u>IMPACT IF NOT PROVIDED:</u> Without upgrades and expansion of the existing utility infrastructure, electricity, communication, water supply, and waste/storm water collection will be inadequate to support future demands. Repeated electrical power outages, water shortages, and sewer backups will occur, causing possible damage to expensive computer equipment and loss of sensitive data, leading to hampered airlift operations. Mission critical facilities will have to operate on generator back-up power continuously for secure operations. Also, the new strategic airlift mission cannot be implemented effectively until this project is completed.				
<u>ADDITIONAL:</u> Although this project is not currently eligible for NATO funding based on NATO Approved				

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5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 812-223	7. PROJECT NUMBER TYFR001123	8. PROJECT COST (\$000) 2,900
<p>Criteria &amp; Standards for Tactical &amp; Transport Airfields-6th Edition criteria, a precautionary pre-finance statement will be filed to allow for future recoupment should eligibility be established. 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 exemption has been prepared. Base Civil Engineer: Col Edward Pokora, 01 I-49-6371 -47-6228.</p>			

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1. COMPONENT AIR FORCE	<b>FY2002 MILITARY CONSTRUCTION PROGRAM (computer generated)</b>						2. DATE																											
3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY				4. COMMAND UNITED STATES AIR FORCES IN EUROPE			5. AREA CONST COST INDEX <b>1.28</b>																											
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL																								
	OFF	FNI	CIV	OFF	FNI	CIV	OFF	FNL	CIV																									
a. As of 30 Sep 00	<b>325</b>	<b>3,685</b>	<b>725</b>				1	<b>3</b>	<b>96</b>	<b>4,835</b>																								
b. End FY 2005	<b>321</b>	<b>3,843</b>	719				1	<b>3</b>	<b>96</b>	<b>4,983</b>																								
<b>7. INVENTORY DATA \$(000)</b>																																		
a. Total Acreage 1,374																																		
b. Inventory Totals as of: <b>30 Sep 00</b> 149,137																																		
c. Authorization Not Yet In Inventory: 19,835																																		
d. Authorization Requested In this Program: <b>8,700</b>																																		
e. Authorization Included In Following Program: (FY2003) 0																																		
f. Planned in Next Four Program Years: 41,849																																		
a. Remainina Deficiency: <b>88,423</b>																																		
h. Grand Total: 307,944																																		
8. Projects Requested in this Program: FY2002																																		
<table border="0" style="width: 100%;"> <thead> <tr> <th>CATEGORY</th> <th>PROJECT TITLE</th> <th>SCOPE</th> <th>COST \$(000)</th> <th>DESIGN START</th> <th>STATUS</th> </tr> </thead> <tbody> <tr> <td>214-467</td> <td>Refueler Vehicle Maintenance</td> <td><b>535</b> SM</td> <td><b>\$2,500</b></td> <td>JAN 01</td> <td>MAY 02</td> </tr> <tr> <td>812-223</td> <td>NW Infrastructure Expansion</td> <td><b>300,000</b> SM</td> <td><b>\$6,200</b></td> <td colspan="2" style="text-align: right;"><b>TURN KEY</b></td> </tr> <tr> <td colspan="3"></td> <td style="text-align: right;">Total</td> <td colspan="2"><b>\$8,700</b></td> </tr> </tbody> </table>											CATEGORY	PROJECT TITLE	SCOPE	COST \$(000)	DESIGN START	STATUS	214-467	Refueler Vehicle Maintenance	<b>535</b> SM	<b>\$2,500</b>	JAN 01	MAY 02	812-223	NW Infrastructure Expansion	<b>300,000</b> SM	<b>\$6,200</b>	<b>TURN KEY</b>					Total	<b>\$8,700</b>	
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			Total	<b>\$8,700</b>																														
9a. Future Projects: Included in the Following Program: ( FY2003) No Projects																																		
9b. Future Projects: Typically Planned Next Four Years																																		
141-753	Consolidate F-16 Squad Ops/AMU	<b>5,237</b> SM	\$12,800																															
<b>442-758</b>	WRWSK/Supply Warehouse	<b>4,800</b> SM	\$14,209																															
721-312	Dormitory	120 RM	\$14,840																															
9c. Real Property Maintenance Backlog This Installation <b>72</b>																																		
10. Mission or Major Functions: A fighter wing with two F-16 squadrons and one A-10A/OA-10A squadron; and an <u>air control squadron</u> .																																		
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																								

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5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 812-223	7. PROJECT NUMBER VYHK983104	8. PROJECT COST (\$000) 6,200		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
NORTHWEST EXPANSION INFRASTRUCTURE		SM	300,000		0
SUPPORTING FACILITIES					5,550
WATER DISTRIBUTION SYSTEM		LM	2,200	464	(1,021)
UNDERGROUND ELECTRICAL DISTRIBUTION		LM	2,500	180	(450)
SANITARY/STORM SEWER SYSTEM		LS			(281)
ROADS/PAVEMENTS		SM	16,000	166	(2,656)
GATE HOUSE AND VISITOR PASS FACILITY		SM	217	922	(200)
COMMUNICATION DUCTS		LM	1,200	83	(100)
SIDEWALKS		SM	2,100	83	(174)
PERIMETER FENCE		LM	2,300	80	(184)
VEHICLE BARRIERS		EA	4	121,000	(484)
SUBTOTAL					5,550
CONTINGENCY ( 5.0%)					277
TOTAL CONTRACT COST					5,827
SUPERVISION, INSPECTION & OVERHEAD ( 6.5 %)					379
TOTAL REQUEST					6,206
TOTAL REQUEST (ROUNDED)					6.200
<b>CF Budget Rate used: European Community Euro 1.196</b>					
<p>IO. Description of Proposed Construction: Develop 74 acres of existing farmland by constructing common area infrastructure. Work: 16,000 SM roads, 20 parking slots, 2,100 SM sidewalks, 2,300 LM perimeter fence, 2,200 LM water lines, 1,500 LM sewer lines, 1,700 LM storm drainage, 2,500 LM underground electrical distribution lines, 1,200 LM communication ducts, new primary gate, guard house, automatic vehicle barriers, visitor pass, site work.</p>					
<p>II. REQUIREMENT: 300,000 SM ADEQUATE: SM SUBSTANDARD: SM</p> <p><b>PROJECT:</b> Develop 74 acres of existing farmland by constructing common area infrastructure on new land acquired on northwest side of Spangdahlem AB.</p> <p><b>REQUIREMENT:</b> The construction of common infrastructure systems is the first step in developing the base's Northwest Expansion, so the 52d Fighter Wing can consolidate dorm, base support, and community support functions into a cohesive neighborhood. This community is the <b>lynchpin</b> of the base's <b>15-year</b> development plan focusing on moving support and community facilities away from the operational areas and out of explosive safety ones. The construction of the buildings in this new community cannot begin until this project's infrastructure systems are in place. The sewer system requires a new lift station, the storm drainage system a retention basin and the electrical system requires a substation. Ducts will be installed for communication network equipment. The base perimeter and entrance gates require force protection measures to include an earth berm and pop up vehicle barriers.</p> <p><b>CURRENT SITUATION:</b> The base's existing footprint is saturated with facilities. The current community layout is an unsatisfactory mix of residential, community, industrial and operational use areas that lie inside explosive safety arcs. The Air Force is acquiring new property to relieve the congestion and explosive safety violations. A 4-acre parcel of empty land on the northwest side of the base is scheduled to be turned over in the summer of</p>					

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY FED REP OF		4. PROJECT TITLE NW INFRASTRUCTURE EXPANSION	
5. PROGRAM 27596 ELEMENT	6. CATEGORY 812-223 CODE	7. PROJECT VYHK983104 NUMBER	8. PROJECT COST 6,200 (\$000)

2000. This land, referred to as the Northwest Expansion, is undeveloped and has no roads or utilities. Our 15-year base development plan programs \$52M of new dorm, administration and community facilities for this area. These projects allow those functions to move out of 17 buildings now located inside explosive safety arcs.

IMPACT IF NOT PROVIDED: The urgently needed facility construction cannot begin in the area. We must delay \$52M of essential facility construction until this project is funded. This delay forces 500 people to continue to work and live inside explosive safety arcs. 35 people live in dorms located inside peacetime safety arcs. During wartime operations, 400 airmen will be forced from their dorms and 180 people will relocate their workplaces. Wartime munitions loads endanger the base's medical complex, gym, chapel, dining facility, library and theater, causing them all to be evacuated. The Air Force medical community has committed to a new base hospital as "the" medical MILCON in FY03. Adequate infrastructure must be in place for this.

ADDITIONAL: This project is not NATO eligible. Despite being ineligible for NATO funds, this project is critical to the 52FW's long-term development and to the USAF mission of conducting safe flying operations in peace and in war. The German Ministry of Defense and Superior Finance Office expect to complete the land acquisition in the summer of 2000. There is no criteria/scope for this project in part II of Military Handbook 1190, "Facility Planning Guide." However, this project does meet the criteria/scope specified in Air Force Handbook 32-1084 "Facility Requirements." All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore no economic analysis was needed or performed. Base Civil Engineer: Lt Col Kaisler, 01 I-49-6371 -47-6228. Northwest Infrastructure Expansion: 300,000 SM = 3,228,000 SF.

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY FED REP OF		
4. PROJECT TITLE VW INFRASTRUCTURE EXPANSION		5. PROJECT NUMBER VYHK983104
<p>12. SUPPLEMENTAL DATA: <span style="float: right;"><b>Design Build</b></span></p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by design-build procedures</p> <p>(2) Basis:</p> <p style="padding-left: 40px;">(a) Standard of Definitive Design - <span style="float: right;">NO</span></p> <p style="padding-left: 40px;">(b) Where Design Was Most Recently Used -</p> <p>(3) Design Allowance <span style="float: right;">248</span></p> <p>(4) Construction Contract Award Date <span style="float: right;">02 Mar</span></p> <p>(5) Construction Start <span style="float: right;">02 May</span></p> <p>(6) Construction Completion <span style="float: right;">04 Jan</span></p> <p>(7) Energy Study/Life-Cycle analysis was/will be performed <span style="float: right;">YES</span></p> <p>b. Equipment associated with this project will be provided from other appropriations: <span style="margin-left: 100px;"><b>N/A</b></span></p>		



1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY FED REP OF		4. PROJECT TITLE REFUELER VEHICLE MAINTENANCE		
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 214-467	7. PROJECT NUMBER VYHK013101	8. PROJECT COST (\$000) 2.500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
REFUELER MAINTENANCE FACILITY	SM	535	2,057	1,100
SUPPORTING FACILITIES				1,145
UTILITIES	LS			(275)
PAVEMENTS	SM	3,600	100	(360)
SITE IMPROVEMENTS	LS			(220)
OIL WATER SEPARATOR	LS			(25)
FORCE PROTECTION	LS			(200)
DEMOLITION	SM	435	145	(63)
SUBTOTAL				2,244
CONTINGENCY ( 5.0%)				112
TOTAL CONTRACT COST				2,356
SUPERVISION, INSPECTION & OVERHEAD ( 6.5 %)				153
TOTAL REQUEST				<b>2,509</b>
TOTAL REQUEST (ROUNDED)				2,500
<b>CF Budget Rate used: European Community Euro 1.196</b>				
10. Description of Proposed Construction: Construct one-story facility with reinforced concrete foundations and floor slabs, masonry walls, and pitched roof. Facility includes five vehicle maintenance bays with forced ventilation, exhaust extraction, compressed air, fire suppression, and oil/water separator required for refueler vehicle maintenance. Project includes demolition of existing facility.				
11. REQUIREMENT: 535 SM ADEQUATE: SM SUBSTANDARD: 435 SM				
<u>PROJECT:</u> Construct refueler maintenance facility.				
<u>REQUIREMENT:</u> Provide a facility for refueler vehicle maintenance functions with adequate space to maintain a combined fleet of 26 fuel trucks and 17 fuel trailers adjacent to the primary refueler operating and staging location. Consolidate the maintenance and operation functions and provide on-site maintenance for fire department special purpose vehicles."				
<u>CURRENT SITUATION:</u> The existing refueler maintenance facilities were constructed in 1955 and have had no significant renovations or upgrades. They were designed for 1950's era vehicles and are inadequate for modern refueler trucks. The turning radius of the driveway is too small for the refuelers and maintenance bay doors cannot be safely closed while vehicles are being serviced. The engine exhaust ventilation system is non-functional, forcing the personnel to work with the bay doors open even during severe weather. Fire suppression, bay lighting, and electrical wiring are all substandard and oil/water separators do not meet current standards. One of the three bays has no oil/water separator and cannot be used for vehicle maintenance, leaving two bays to handle a level of work that requires four and forcing maintainers to work two shifts a day to make the most of the facility's two bays. The refueling vehicles must travel a narrow congested route to receive major maintenance. The route passes through a restricted area, across active taxiways, through privately owned vehicle and aerospace ground equipment parking lots, and across the base's most heavily traveled road.				
<u>IMPACT IF NOT PROVIDED:</u> Current facility will require costly repairs and upgrades to provide the required support for the refueler vehicle maintenance function and the refueler vehicles will still need to travel the dangerous route from the operations to the maintenance areas. Vehicle mishaps and lengthy transit times will				

1. COMPONENT AIR FORCE		FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY FED REP OF			4. PROJECT TITLE REFUELER VEHICLE MAINTENANCE		
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 214-467	7. PROJECT NUMBER VYHK013101	8. PROJECT COST (\$000) 2,500		
<p>continue to degrade refueler availability rates and unnecessarily cost the government. Maintainers will work in two shifts every day, decreasing work efficiency, and degrading unit morale.</p> <p><u>ADDITIONAL:</u> This project is eligible for partial NATO funding. A precautionary <b>prefinancing</b> statement will be filed until the actual funding share is clarified with NATO Infrastructure Committee. This project meets the criteria/scope specified in Military Handbook 32-1084, "Standard Facility Requirements Handbook." An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and leasing. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most <b>cost</b> efficient over the life of the project. Force protection measures will comply with minimum DoD force protection guidance. Base Civil Engineer: Lt Col Kaisler, 01 I-49-6371 -47-6228. Refueler Vehicle Maintenance: 535 SM = 5,758 SF.</p>					

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE																										
3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY FED REP OF																												
4. PROJECT TITLE REFUELER VEHICLE MAINTENANCE	5. PROJECT NUMBER VYHK013101																											
<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;">24-JAN-01</td> </tr> <tr> <td style="padding-left: 20px;">(b) Parametric Cost Estimates used to develop costs</td> <td style="text-align: right;">YES</td> </tr> <tr> <td style="padding-left: 20px;">(c) Percent Complete as of Jan 01</td> <td style="text-align: right;">1 %</td> </tr> <tr> <td style="padding-left: 20px;">(d) Date 35% Designed.</td> <td style="text-align: right;">01 -NOV-01</td> </tr> <tr> <td style="padding-left: 20px;">(e) Date Design Complete</td> <td style="text-align: right;">01 -MAY-02</td> </tr> <tr> <td style="padding-left: 20px;">(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td style="text-align: right;">YES</td> </tr> </table> <p>(2) Basis:</p> <table border="0" style="width: 100%;"> <tr> <td style="padding-left: 20px;">(a) Standard of 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></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;">150</td> </tr> <tr> <td style="padding-left: 20px;">(b) All Other Design Costs</td> <td style="text-align: right;">75</td> </tr> <tr> <td style="padding-left: 20px;">(c) Total</td> <td style="text-align: right;">225</td> </tr> <tr> <td style="padding-left: 20px;">(d) Contract</td> <td style="text-align: right;">188</td> </tr> <tr> <td style="padding-left: 20px;">(e) In-house</td> <td style="text-align: right;">38</td> </tr> </table> <p>(4) Construction Contract Award Date <span style="float: right;">02 Jun</span></p> <p>(5) Construction Start <span style="float: right;">02 Aug</span></p> <p>(6) Construction Completion <span style="float: right;">03 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: <span style="margin-left: 100px;">N/A</span></p>			(a) Date Design Started	24-JAN-01	(b) Parametric Cost Estimates used to develop costs	YES	(c) Percent Complete as of Jan 01	1 %	(d) Date 35% Designed.	01 -NOV-01	(e) Date Design Complete	01 -MAY-02	(f) Energy Study/Life-Cycle analysis was/will be performed	YES	(a) Standard of Definitive Design -	NO	(b) Where Design Was Most Recently Used -		(a) Production of Plans and Specifications	150	(b) All Other Design Costs	75	(c) Total	225	(d) Contract	188	(e) In-house	38
(a) Date Design Started	24-JAN-01																											
(b) Parametric Cost Estimates used to develop costs	YES																											
(c) Percent Complete as of Jan 01	1 %																											
(d) Date 35% Designed.	01 -NOV-01																											
(e) Date Design Complete	01 -MAY-02																											
(f) Energy Study/Life-Cycle analysis was/will be performed	YES																											
(a) Standard of Definitive Design -	NO																											
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1. COMPONENT AIR FORCE	<b>FY2002 MILITARY CONSTRUCTION PROGRAM (computer generated)</b>							2. DATE		
3. INSTALLATION AND LOCATION THULE AIR BASE, GREENLAND				4. COMMAND AIR FORCE SPACE COMMAND				5. AREA CONST COST INDEX 2.92		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 Sep 00	21	108	733							862
b. End FY 2005	21	108	733							862
7. INVENTORY DATA \$(000)										
a. Total Acreage	<b>234,022</b>									
b. Inventory Totals as of: 30 Sep 00	<b>366,564</b>									
c. Authorization Not Yet In Inventory:	0									
d. Authorization Requested In this Program:	19,000									
e. Authorization Included In Following Program: (FY2003)	0									
f. Planned in Next Four Program Years:	9,205									
a. Remainina Deficiency:	<b>24,870</b>									
h. Grand Total:	<b>419,639</b>									
3. Projects Requested in this Program: FY2002										
CATEGORY				SCOPE			COST \$(000)		DESIGN STATUS	
CODE PROJECT TITLE							START		CMP	
112-211 Replace Taxiways/Aprons				167,220 SM			\$19,000		JUN 01 JUN 02	
Total \$19,000										
1a. Future Projects: Included in the Following Program: (FY2003) No Projects										
1b. Future Projects: Typically Planned Next Four Years										
740-316 Community Facility				1 LS			\$9,205			
1c. Real Property Maintenance Backlog This Installation <b>20</b>										
0. Mission or Major Functions: An Air Force minor installation responsible for the Ballistic Missile Early Warning system (BMEWS) that detects the Inter-Continental Ballistic Missile (ICBM) launches against the United States. Units include an Air Force Space Command space warning squadron and a space operations squadron. Provides support to airlift operations both enroute and within Greenland and Northern Canada.										
1. Outstanding pollution and safety (OSHA) deficiencies:										
a. Air pollution										0
b. Water pollution										0
c. Occupational Safety and Health										0
d. Other Environmental										0

1. COMPONENT AIR FORCE		FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE		
3. INSTALLATION AND LOCATION THULE AIR BASE, GREENLAND				4. PROJECT TITLE REPLACE TAXIWAYS/APRONS			
5. PROGRAM ELEMENT 31476		6. CATEGORY CODE 112-211	7. PROJECT NUMBER wwcx992211		8. PROJECT COST (\$000) 19,000		
9. COST ESTIMATES							
ITEM				JIM	QUANTITY	UNIT COST	COST (\$000)
REPLACE TAXIWAYS AND APRONS				SM	167,220	102	17,056
SUBTOTAL							17,056
CONTINGENCY ( 5.0%)							853
TOTAL CONTRACT COST							17,909
SUPERVISION, INSPECTION & OVERHEAD (6.5 %)							1,164
TOTAL REQUEST							19,073
TOTAL REQUEST (ROUNDED)							19.000
10. Description of Proposed Construction: All materials, equipment, and labor for complete replacement of taxiway and aprons. Includes demolition of existing pavement, reconstruction of existing subgrade, sub-base and base course, new pavement, painting and marking, lighting, drainage, and all other support.							
11. REQUIREMENT: 167,220 SM ADEQUATE: SM SUBSTANDARD: 465,063 SM  PROJECT: Replace taxiways and aprons. (Current Mission)  REQUIREMENT: Thule Air Base requires a serviceable airfield to launch and recover aircraft supporting critical Air Force Space Command missile warning, satellite tracking and control missions, and contingency operations. This airfield is the main supply line for all items arriving at the base and is the only means of transportation, in or out, for ten months of the year. The seaport is usable (ice free) for only 40 days per year. The airfield also supports a number of additional requirements which are: Station Alert, C-130 aircraft averaging 120 sorties during each of three annual 15-day periods; Naval Oceanographic environmental acoustical research conducted each year; First Air; monthly Air Mobility Command charter from Copenhagen; and other miscellaneous services and visitors including Danish Royalty. A serviceable airfield is crucial to the survival of Thule Air Base.  CURRENT SITUATION: The existing airfield was constructed in 1952. The existing taxiway and apron surfaces are severely cracked and require new pavements. Of the four taxiways, the two end taxiways are not usable and are closed, requiring aircraft to turn 180 degrees and use the middle taxiways. The pavement for the middle taxiways has failed and foreign object damage (FOD) is a growing problem. Extremely cold (-50 degrees Fahrenheit) temperatures at Thule Air Base create extreme freeze-thaw conditions leading to severe cracking of asphalt pavement. Melting ice and snow as well as softening of upper layers of the permafrost during the summer contribute to major settlement problems. Routine crack and joint maintenance has failed to eliminate pavement damage.  IMPACT IF NOT PROVIDED: The apron surfaces will continue to deteriorate. The two remaining taxiways and aprons will degrade to the point they cannot be used. Aircraft will be forced to remain on the runway for loading, offloading, fueling operations, etc. This will delay air traffic into and out of Thule Air Base, and cause premature wear and tear to the runway. In addition, refueling of aircraft will be slowed since the refueling hydrants located near the aprons will not be usable.  ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared. Base Civil Engineer: Lt Col William Valenti, (719) 556-7631.							

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION THULE AIR BASE, GREENLAND		4. PROJECT TITLE REPLACE TAXIWAYS/APRONS	
5. PROGRAM ELEMENT 31476	6. CATEGORY CODE 112-211	7. PROJECT NUMBER wwcx992211	8. PROJECT COST (\$000) 19,000

Replace Taxiways and aprons: 167,220 SM = 1,799,287 SF.

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
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3. INSTALLATION AND LOCATION  
THULE AIR BASE, GREENLAND

1. PROJECT TITLE REPLACE TAXIWAYS/APRONS	5. PROJECT NUMBER WWCX992211
---------------------------------------------	---------------------------------

12. SUPPLEMENTAL DATA:	<b>Design, Bid, Build</b>
a. Estimated Design Data:	
(1) Status:	
(a) Date Design Started	15-JUN-01
(b) Parametric Cost Estimates used to develop costs	YES
• (c) Percent Complete as of Jan 01	1 %
• (d) Date 35% Designed.	12-OCT-01
(e) Date Design Complete	14-JUN-02
(f) Energy Study/Life-Cycle analysis was/will be performed	NO
(2) Basis:	
(a) Standard of Definitive Design -	NO
(b) Where Design Was Most Recently Used -	
(3) Total Cost (c) = (a) + (b) or(d) + (e):	(\$000)
(a) Production of Plans and Specifications	1,140
(b) All Other Design Costs	570
(c) Total	1,710
(d) Contract	1,425
(e) In-house	285
(4) Construction Contract Award Date	02 Jul
(5) Construction Start	02 Sep
(6) Construction Completion	04 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: <b>N/A</b>	

1. COMPONENT AIR FORCE		<b>FY2002 MILITARY CONSTRUCTION PROGRAM (computer generated)</b>						2. DATE			
3. INSTALLATION AND LOCATION ANDERSEN AIR FORCE BASE, GUAM				4. COMMAND PACIFIC AIR FORCES				5. AREA CONST COST INDEX 1.99			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFF	FNI	CIV	OFF	FNI	CIV	OFF	FNI	CIV	
a. As of 30 Sep 00		170	1,460	627				71	445	637	3,410
b. End FY 2005		171	1,454	623				71	445	637	3,401
7. INVENTORY DATA \$(000)											
a. Total Acreage		11,050									
b. Inventory Totals as of: 30 Sep 00		417.918									
c. Authorization Not Yet In Inventory:		6,633									
d. Authorization Requested In this Program:		10,150									
e. Authorization Included In Following Program: (FY2003)		0									
f. Planned in Next Four Program Years:		29.900									
a. Remainina Deficiency:		<u>115,000</u>									
h. Grand Total:		579.601									
8. Projects Requested in this Program: FY2002											
CATEGORY						COST DESIGN STATUS					
CODE	PROJECT TITLE	SCOPE		\$(000)	START	CMP					
442-758	AEF Bomber FOL War Reserve Material Facility	2,323	SM	\$4,550	TURN	KEY					
730-835	Replace Security Forces Operations	1,250	SM	<u>\$5,600</u>	TURN	KEY					
		Total		\$10,150							
9a. Future Projects: Included in the Following Program: (FY2003) No Projects											
9b. Future Projects: Typically Planned Next Four Years											
740-674	Replace Fitness Center	5,051	SM	\$14,900							
841-165	On Base Water Supply System	1	LS	\$15,000							
9c. Real Property Maintenance Backlog This Installation										58	
10. Mission or Major Functions: A host air base wing supporting Headquarters, Thirteenth Air Force which is responsible to PACAF to plan, execute and control aerospace operations throughout the Southwest Pacific and Indian Ocean areas of responsibility.											
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									



1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION ANDERSEN AFB, GUAM			4. PROJECT TITLE AEF BOMBER FOL WAR RESERVE MATERIAL FACILITY	
5. PROGRAM ELEMENT 28031	6. CATEGORY CODE 442-758	7. PROJECT NUMBER AJJY023102	8. PROJECT COST (\$000) 4,550	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
AEF BOMBER FOL WRM FACILITY	LS			3,217
BASE SUPPLIES & EQUIP WHSE	SM	2,323	1,367	(3,176)
ANTITERRORISM FORCE PROTECTION	SM	2,323	18	(42)
SUPPORTING FACILITIES				851
UTILITIES	LS			(250)
PAVEMENTS	SM	5,574	45	(251)
SITE IMPROVEMENTS	LS			(350)
SUBTOTAL				4,068
CONTINGENCY ( 5.0%)				203
TOTAL CONTRACT COST				4,272
SUPERVISION, INSPECTION & OVERHEAD ( 6.5 %)				278
TOTAL REQUEST				4,549
TOTAL REQUEST (ROUNDED)				4,550
<p>IO. Description of Proposed Construction: Reinforced concrete foundation, floor and frame, CMU walls, built-up roof system. Utilities, HVAC w/ controls, lighting and electrical, and fire protection. Includes storage, offices, toilets, equipment room, pavements and all necessary support facilities. Design to Seismic Zone 4 and 170MPH typhoon winds. Antiterrorism force protection measures commensurate with requirements.</p>				
<p>11. REQUIREMENT: 11 ,157 SM ADEQUATE: SM SUBSTANDARD: 3,956 SM</p> <p><b>PROJECT:</b> Construct a war reserve materiel (WRM) storage facility. (New Mission)</p> <p><b>REQUIREMENT:</b> An adequate storage facility to protect new WRM vehicles and equipment pre-positioned for implementation of new Air Expeditionary Force (AEF) Bomber Forward Operation Location (FOL) operations. Essential WRM equipment and vehicles must be protected from the corrosive tropical environment to prevent rapid deterioration, adversely affecting AEF bomber employment to meet Pacific Theater objectives. Facility to be properly designed to incorporate antiterrorism force protection measures such as lighting, setbacks, structural reinforcement and surveillance equipment.</p> <p><b>CURRENT SITUATION:</b> In Jul 99, Andersen was tasked to provide AEF support which includes storage of WRM assets that will arrive in FY00 through FY02. There are no adequate WRM storage facilities to meet this requirement. Existing WRM assets are being stored in aircraft hangars, needed for contingencies/exercises, and in supply warehouses throughout the base. Still, over 25% of these assets are stored outdoors. Expensive eased interim facilities or moving existing WRM assets from the aircraft hangars are the only options to protect the new assets until permanent facilities are constructed.</p> <p><b>IMPACT IF NOT PROVIDED:</b> Existing lack of facilities will continue to cause essential WRM vehicles/equipment to deteriorate by being exposed to the elements and consequential corrosion, dry rot, mold and mildew and devastating typhoons. WRM assets stored throughout the base will cause accountability problems. Storage and maintenance of critical WRM assets will become an increasing problem and further adversely impact mission capability at this strategic forward located base.</p> <p><b>ADDITIONAL:</b> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of reasonable options for satisfying this requirement indicates that only</p>				

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
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3. INSTALLATION AND LOCATION ANDERSEN AFB, GUAM	4. PROJECT TITLE AEF BOMBER FOL WAR RESERVE MATERIAL FACILITY
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5. PROGRAM ELEMENT 28031	6. CATEGORY CODE 442-758	7. PROJECT NUMBER AJJY023102	8. PROJECT COST (\$000) 4,550
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one option will meet mission needs. Therefore, a complete economic analysis was not performed. A certificate of exemption has been prepared. BASE CIVIL ENGINEER: Lt Col Eunice, (671) 366-7101. WRM Storage Facility: 2,323 SM = 24,995 SF. Design build design cost (4% of subtotal) \$162,760.

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION ANDERSEN AFB, GUAM		
4. PROJECT TITLE AEF BOMBER FOL WAR RESERVE MATERIAL FACILITY		5. PROJECT NUMBER AJJY023102
<p>12. SUPPLEMENTAL DATA: <span style="float: right;"><b>Design Build</b></span></p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by design-build procedures</p> <p>(2) Basis:</p> <p style="padding-left: 40px;">(a) Standard of Definitive Design - <span style="float: right;">NO</span></p> <p style="padding-left: 40px;">(b) Where Design Was Most Recently Used -</p> <p>(3) Design Allowance <span style="float: right;">182</span></p> <p>(4) Construction Contract Award Date <span style="float: right;">01 Dec</span></p> <p>(5) Construction Start <span style="float: right;">02 Mar</span></p> <p>(6) Construction Completion <span style="float: right;">03 Jun</span></p> <p>(7) Energy Study/Life-Cycle analysis was/will be performed <span style="float: right;">YES</span></p> <p>b. Equipment associated with this project will be provided from other appropriations: <span style="float: right;"><b>N/A</b></span></p>		

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION ANDERSEN AIR FORCE BASE, GUAM	4. PROJECT TITLE REPLACE SECURITY FORCES OPERATIONS			
5. PROGRAM ELEMENT 22176	6. CATEGORY CODE 730-835	7. PROJECT NUMBER AJJY891103	8. PROJECT COST (\$000) 5,600	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
SECURITY FORCES OPERATIONS FACILITY	LS			3,640
SECURITY FORCES OPERATIONS	SM	1,250	2,897	(3,621)
ANTITERRORISM FORCE PROTECTION	SM	1,250	15	(19)
SUPPORTING FACILITIES				1,385
UTILITIES	LS			(446)
SITE IMPROVEMENTS	LS			(275)
PAVEMENTS	LS			(145)
SPECIAL FIRE PROTECTION SYSTEMS	LS			(100)
COMMUNICATIONS SUPPORT	LS			(125)
DEMOLITION / ASBESTOS	SM	659	152	(100)
CONTAMINATED SOIL REMEDIATION	LS			(200)
SUBTOTAL				5,025
CONTINGENCY ( 5.0%)				251
TOTAL CONTRACT COST				5,276
SUPERVISION, INSPECTION & OVERHEAD ( 6.5 %)				343
TOTAL REQUEST				5,619
TOTAL REQUEST (ROUNDED)				5,600
<p>10. Description of Proposed Construction: Reinforced concrete foundation, slab floor, masonry walls and roof deck, fire protection, communications. Includes Pass and ID, security and law enforcement, investigations, confinement, guardmount, quality and central control, armory, classrooms and all necessary site development/utilities to support. Antiterrorism/Force Protection and backup power. Demolish 2 buildings. Air Conditioning: 60 KW</p>				
<p>11. REQUIREMENT: 1,250 SM ADEQUATE: SM SUBSTANDARD: 1,339 SM</p> <p><u>PROJECT:</u> Construct a security forces operations facility. (Current Mission)</p> <p><u>REQUIREMENT:</u> An adequate facility to consolidate all operations presently located in three substandard facilities scattered throughout the base. The facility must have sufficient space to support law enforcement, physical security, confinement space, investigation function, training section, armory, command and control, and a secure room for storage. Facility must have sufficient infrastructure to support advanced surveillance, intelligence, and command and control information management systems and structurally sound enough to survive high intensity typhoons and earthquakes. A backup power source is needed to maintain continuity of operations during natural disasters.</p> <p><u>CURRENT SITUATION:</u> Security forces functions are widely scattered around the base in three separate facilities. The existing facilities are 25 to 40 years old, and wear and tear from numerous typhoons and earthquakes have accelerated the deterioration and shortened the life of two facilities. The third facility is a converted dormitory that needs to be returned to contingency dormitory space to support major exercises and Forward Operating Location personnel during contingencies. All facilities are poorly configured for security forces operations. Electrical and mechanical systems are outdated and cannot be economically upgraded to meet</p>				

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION ANDERSEN AIR FORCE BASE, GUAM		4. PROJECT TITLE REPLACE SECURITY FORCES OPERATIONS	
5. PROGRAM ELEMENT 22176	6. CATEGORY CODE 730-835	7. PROJECT NUMBER AJJY891103	8. PROJECT COST (\$000) 5,600
<p>current computer and security systems requirements. The dispersal of functions over a wide area of this very large 23,000+ acre installation increases security forces operations vulnerability to terrorist threat.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Security forces functions will continue to be inefficiently dispersed throughout the base in substandard and separated facilities. This situation has an adverse impact on command and control and response time for emergencies and security incidents. The increased risk to high value mission aircraft and essential war mobilization equipment/assets will be unacceptable. Old facilities will continue to deteriorate and, if destroyed during a typhoon or earthquake, would cripple base recovery following a natural disaster.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1048, "Facility Requirements." 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. This project demolishes two buildings. Antiterrorism/Force Protection facility features will be in accordance with local threat assessment. BASE CIVIL ENGINEER: Lt Col Eide, 671-366-7101. Security Forces Operations Facility, 1,250 SM = 13,450 SF. Building demolition 659 SM.</p>			

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION ANDERSEN AIR FORCE BASE, GUAM		
4. PROJECT TITLE REPLACE SECURITY FORCES OPERATIONS		5. PROJECT NUMBER AJJY891103
<p>12. SUPPLEMENTAL DATA: <span style="float: right;"><b>Design Build</b></span></p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by design-build procedures</p> <p>(2) Basis:</p> <p style="padding-left: 20px;">(a) Standard of Definitive Design - <span style="float: right;">NO</span></p> <p style="padding-left: 20px;">(b) Where Design Was Most Recently Used -</p> <p>(3) Design Allowance <span style="float: right;">224</span></p> <p>(4) Construction Contract Award Date <span style="float: right;">02 Aug</span></p> <p>(5) Construction Start <span style="float: right;">02 Sep</span></p> <p>(6) Construction Completion <span style="float: right;">04 May</span></p> <p>(7) Energy Study/Life-Cycle analysis was/will be performed <span style="float: right;">YES</span></p> <p>b. Equipment associated with this project will be provided from other appropriations: <span style="float: right;"><b>N/A</b></span></p>		

1. COMPONENT AIR FORCE	<b>FY2002 MILITARY CONSTRUCTION PROGRAM (computer generated)</b>							2. DATE		
3. INSTALLATION AND LOCATION AVIANO AIR BASE, ITALY				4. COMMAND UNITED STATES AIR FORCES IN EUROPE				5. AREA CONST COST INDEX 1.3		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	FNL	CIV	OFF	FNI	CIV	OFF	FNI	CIV	
a. As of 30 Sep 00	372	3,370	599				167	625	196	5,329
b. End FY 2005	371	3,524	594				167	625	196	5,477
7. INVENTORY DATA \$(000)										
a. Total Acreage 1,199										
b. Inventory Totals as of: 30 Sep 00 50,314										
c. Authorization Not Yet In Inventory: 15,535										
d. Authorization Requested In this Program: 11,800										
e. Authorization Included In Following Program: (FY2003) 0										
f. Planned in Next Four Program Years: 17,433										
a. Remainina Deficiency: 50,481										
h. Grand Total: 145,563										
8. Projects Requested in this Program: FY2002										
CATEGORY CODE	PROJECT TITLE	SCOPE					COST \$(000)	DESIGN START	STATUS CMP	
171-475	Indoor Firing Range	1,483 SM				\$3,600		TURN KEY		
721-312	Dormitory	102 RM				\$8,200		Jun 01	JUL 01	
Total \$11,800										
9a. Future Projects: Included in the Following Program: (FY2003) No Projects										
9b. Future Projects: Typically Planned Next Four Years										
216-642	Munitions Maintenance & Inspection Facility	2,048 SM				\$4,693				
442-758	Air Control Squadron Warehouse	2,120 SM				\$3,780				
721-312	Dormitory	102 RM				\$8,960				
9c. Real Property Maintenance Backlog This Installation 69										
10. Mission or Major Functions: A host fighter wing supporting two F-16 squadrons, multiservice/multinational forces in support of OPERATION JOINT GUARDIAN and headquarters 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										

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION AVIANO AIR BASE, ITALY			4. PROJECT TITLE DORMITORY	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 721-312	7. PROJECT NUMBER ASHE013003B	8. PROJECT COST (\$000) 8.200	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST , (\$000)
DORMITORY (102 RM)	LS			6,273
DORMITORY	SM	3.396	1,820	(6,181
ANTITERRORISM/FORCE PROTECTION	LS			(92
SUPPORTING FACILITIES				1,050
UTILITIES	LS			(500
SITE IMPROVEMENTS	LS			(200
PAVEMENTS	LS			(350
SUBTOTAL				7,323
CONTINGENCY ( 5.0%)				366
TOTAL CONTRACT COST				7,689
SUPERVISION, INSPECTION & OVERHEAD ( 6.5 %)				500
TOTAL REQUEST				8,189
TOTAL REQUEST (ROUNDED)				8,200
<b>FCF Budget Rate used: European Community Euro 1.196</b>				
10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, masonry walls and pitched tile roofs. Includes room-bath-room modules, laundries, storage, lounge areas, utilities, HVAC, fire protection, parking lot, and associated site improvements. Force protection measures include laminated glass, stand-off construction, reinforced walls, and exterior lighting. Air Conditioning: 120 KW      Grade Mix: 102 EI -E4.				
11. REQUIREMENT: 1,192 RM ADEQUATE: 128 RM SUBSTANDARD: 276 RM				
<u>PROJECT:</u> Construct 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. <b>Antiterrorism/force</b> protection measures to comply with DoD interim minimum force protection standards and with local requirements.				
<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 is not eligible for NATO funding. This project will require US/Italian Mixed Commission approval and will be designed and constructed to meet the stricter of Italian and US standards. This project meets the scope/criteria specified in the new uniform barracks construction standard, known as "one-plus-one," established by OSD. All known alternatives were considered during the development of this project. A preliminary analysis of reasonable options was done and indicates only one option meets operational requirements. Therefore, no economic analysis was needed or performed. Unaccompanied Housing RPM Conducted: FY99 = \$2,649K; FY00 = \$38K. Future Unaccompanied Housing RPM Requirements (Estimated):				



1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION AVIANO AIR BASE, ITALY		4. PROJECT TITLE DORMITORY	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 721-312	7. PROJECT NUMBER ASHE013003B	8. PROJECT COST (\$000) 8,200
<p>FY01=\$42K; FY02=\$80K; FY03=\$85K. BASE CIVIL ENGINEER: Lt Col Mark Correll: 01 I-39-434-66-7500. Dormitory: 3,396 SM = 36,541 SF.</p>			

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE																										
3. INSTALLATION AND LOCATION AVIANO AIR BASE, ITALY																												
4. PROJECT TITLE DORMITORY		5. PROJECT NUMBER ASHE013003B																										
<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;">25-Jun-01</td> </tr> <tr> <td style="padding-left: 20px;">(b) Parametric Cost Estimates used to develop costs</td> <td style="text-align: right;">YES</td> </tr> <tr> <td style="padding-left: 20px;">. (c) Percent Complete as of Jan 01</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;">15-SEP-00</td> </tr> <tr> <td style="padding-left: 20px;">(e) Date Design Complete</td> <td style="text-align: right;">31-JUL-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;">YES</td> </tr> </table> <p>(2) Basis:</p> <table border="0" style="width: 100%;"> <tr> <td style="padding-left: 20px;">(a) Standard of 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;">AVIANO</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;">492</td> </tr> <tr> <td style="padding-left: 20px;">(b) All Other Design Costs</td> <td style="text-align: right;">246</td> </tr> <tr> <td style="padding-left: 20px;">(c) Total</td> <td style="text-align: right;">738</td> </tr> <tr> <td style="padding-left: 20px;">(d) Contract</td> <td style="text-align: right;">615</td> </tr> <tr> <td style="padding-left: 20px;">(e) In-house</td> <td style="text-align: right;">123</td> </tr> </table> <p>(4) Construction Contract Award Date <span style="float: right;">01 Dec</span></p> <p>(5) Construction Start <span style="float: right;">02 Feb</span></p> <p>(6) Construction Completion <span style="float: right;">04 Jul</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: <span style="margin-left: 100px;">N/A</span></p>			(a) Date Design Started	25-Jun-01	(b) Parametric Cost Estimates used to develop costs	YES	. (c) Percent Complete as of Jan 01	15 %	. (d) Date 35% Designed.	15-SEP-00	(e) Date Design Complete	31-JUL-01	(f) Energy Study/Life-Cycle analysis was/will be performed	YES	(a) Standard of Definitive Design -	YES	(b) Where Design Was Most Recently Used -	AVIANO	(a) Production of Plans and Specifications	492	(b) All Other Design Costs	246	(c) Total	738	(d) Contract	615	(e) In-house	123
(a) Date Design Started	25-Jun-01																											
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(e) Date Design Complete	31-JUL-01																											
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1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION AVIANO AIR BASE, ITALY		4. PROJECT TITLE INDOOR FIRING RANGE		
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 171-475	7. PROJECT NUMBER ASHE013004	8. PROJECT COST (\$000) 3,600	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
INDOOR FIRING RANGE	SM	1,483	1,180	1,750
SUPPORTING FACILITIES				1,486
UTILITIES	LS			(245)
PAVEMENTS	LS			(64)
SITE IMPROVEMENTS	LS			(87)
DEMOLITION	SM	1,175	76	(89)
ENVIRONMENTAL REMEDIATION	LS			(1,001)
SUBTOTAL				3,236
CONTINGENCY ( 5.0%)				162
TOTAL CONTRACT COST				3,398
SUPERVISION, INSPECTION & OVERHEAD ( 6.5 %)				221
TOTAL REQUEST				3,619
TOTAL REQUEST (ROUNDED)				3,600
<b>FCF Budget Rate used: European Community Euro 1.196</b>				
10. Description of Proposed Construction: A single-story facility with steel reinforced concrete foundation and floor slabs, steel reinforced concrete building with masonry walls and stucco finish, and a sloped clay tile roof system. Includes all utilities, fire protection, sitework, pavements, and communications. Demolish four buildings (1,175 SM). Air Conditioning: 30 KW				
11. REQUIREMENT: 1,483 SM ADEQUATE: SM SUBSTANDARD: 1,175 SM <b>PROJECT:</b> Construct an indoor firing range (Current Mission). <b>REQUIREMENT:</b> An adequate facility is required to provide mandatory small arms qualification and proficiency training to assigned personnel. A 21 -port baffled firing range with a 25 meter target line, classroom, and administration area will support training in 9mm/.38 caliber pistol, 5.5mm rifle, and 7.62mm machine gun in an enclosed, safe environment. <b>CURRENT SITUATION:</b> The existing firing range and support facility are used to train 3,500 personnel annually, including all assigned US military personnel and US personnel from geographically separated units. This is a 25% increase in FY97 training requirements for a facility that once served 2,652 personnel. Both the firing range and the supporting facility are too small and are inadequate to accomplish the Wing's new mission requirements that accompanied the beddown of the two F-16 squadrons at Aviano. The existing firing range has no latrine facilities and weapons maintenance is performed in a non-heated outdoor metal shed adjacent to the range. The classroom and the maintenance shop lack both adequate heat and a ventilation system for removal of solvent vapors. The indoor facility will support vigorous schedule requirements due to the high operations tempo at Aviano by allowing qualification training at all hours of the day without weather cancellations. In addition, the costly lead mining of the backstop will be eliminated. The continued erosion of the backstop, combined with the possibility of ricochets, presents serious safety concerns. The facility is surrounded by a variety of personnel activities and an indoor range completely eliminates this threat. The current facility is also in violation of explosive quantity distance safety criteria. The 31st Fighter Wing's safety officer recommends this facility be relocated due to explosive safety considerations.				
<b>IMPACT IF NOT PROVIDED:</b>				

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION AVIANO AIR BASE, ITALY		4. PROJECT TITLE INDOOR FIRING RANGE	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 171-475	7. PROJECT NUMBER ASHE013004	8. PROJECT COST (\$000) 3,600
<p>If not constructed, the 31st Fighter Wing and geographically separated units will not be able to perform critical training and mission readiness will degrade. The existing facility will remain within quantity distance arcs and will continue to pose a ricochet hazard to surrounding community support activities. Erosion of the backstop will continue to increase this hazard until a complete reconstruction of the backstop is required. The firing range will continue to operate in undersized facilities without latrine facilities, adequate heat, or adequate ventilation.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." This project was previously submitted for NATO funding consideration, but denied due to NATO criteria which does not support base personnel training requirements, considering them a host responsibility. An economic analysis has been prepared comparing the alternatives of status quo, renovation, upgrade/removal, new construction, and leasing. New construction was found to be the most cost efficient over the life of the project. Base Civil Engineer: Lt Col Mark Correl, 01 I-39-434-66-7500. Firing range: 1,483 SM = 15,957 SF.</p>			

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION AVIANO AIR BASE, ITALY		
4. PROJECT TITLE NDOOR FIRING RANGE		5. PROJECT NUMBER ASHE013004
<p>12. SUPPLEMENTAL DATA: <span style="float: right;"><b>Design Build</b></span></p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by design-build procedures</p> <p>(2) Basis:</p> <p style="padding-left: 40px;">(a) Standard of Definitive Design - <span style="float: right;">NO</span></p> <p style="padding-left: 40px;">(b) Where Design Was Most Recently Used -</p> <p>(3) Design Allowance <span style="float: right;">144</span></p> <p>(4) Construction Contract Award Date <span style="float: right;">01 Nov</span></p> <p>(5) Construction Start <span style="float: right;">02 Jan</span></p> <p>(6) Construction Completion <span style="float: right;">04 Mar</span></p> <p>(7) Energy Study/Life-Cycle analysis was/will be performed <span style="float: right;">YES</span></p> <p>b. Equipment associated with this project will be provided from other appropriations: <span style="float: right;">N/A</span></p>		

1. COMPONENT AIR FORCE	<b>FY2002 MILITARY CONSTRUCTION PROGRAM (computer generated)</b>							2. DATE		
3. INSTALLATION AND LOCATION KUNSAN AIR BASE, KOREA				4. COMMAND PACIFIC AIR FORCES				5. AREA CONST COST INDEX 1.13		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENI	CIV	OFF	ENI	CIV	OFF	FNI	CIV	
a. As of 30 Sep 00	207	2,274	455				13	153	13	3,115
b. End FY 2005	207	2,273	455				13	153	13	3,114
7. INVENTORY DATA \$(000)										
a. Total Acreage 2,557										
b. Inventory Totals as of: 30 Sep 00 247,635										
c. Authorization Not Yet In Inventory: 28,080										
d. Authorization Requested In this Program: 12,000										
e. Authorization Included In Following Program: (FY2003) 0										
f. Planned in Next Four Program Years: 17,767										
g. Remainina Deficiency: 80,000										
h. Grand Total: 385,482										
8. Projects Requested in this Program: FY2002										
CATEGORY CODE	PROJECT TITLE		SCOPE		COST \$(000)	DESIGN START	STATUS CMP			
740-674	Add/Alter Fitness Center		5,556 SM		\$12,000	TURN	KEY			
					Total	\$12,000				
9a. Future Projects: Included in the Following Program: ( FY2003) No Projects										
9b. Future Projects: Typically Planned Next Four Years										
721-312	Dormitory		100 RM		\$7,567					
740-674	Physical Fitness Center		5,556 <b>SM</b>		\$10,200					
9c. Real Property Maintenance Backlog This Installation 116										
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

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION KUNSAN AIR BASE, KOREA (REPUBLIC OF)		4. PROJECT TITLE ADD/ALTER FITNESS CENTER		
5. PROGRAM ELEMENT 22176	6. CATEGORY CODE 740-674	7. PROJECT NUMBER MLWR033125	8. PROJECT COST (\$000) 12,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FITNESS CENTER	SM	5,556	1,514	8,295
SPECIAL STRUCTURAL IMPROVEMENTS FOR AT/FP	SM	5,556	70	(387)
FITNESS CENTER FACILITY	SM	5,556	1,418	(7,878)
BUILDING INFORMATION SYSTEM	LS			(30)
SUPPORTING FACILITIES				2,381
UTILITIES	LS			(471)
PAVEMENTS	LS			(45)
SITE IMPROVEMENTS	LS			(350)
SITE PREPARATION/DEMOLITION	LS			(380)
RELOCATE FOOTBALL FIELD	SM	5,175	77	(400)
RELOCATE TENNIS COURT/REROUTE TRACK	LS			(265)
PASSIVE VEHICLE BARRIER/COMM SUPPORT	LS			(120)
CONTAMINATED SOIL REMEDIATION	LS			(350)
SUBTOTAL				10,676
CONTINGENCY ( 5.0%)				534
TOTAL CONTRACT COST				11,210
SUPERVISION, INSPECTION & OVERHEAD ( 6.5 %)				729
TOTAL REQUEST				11,939
TOTAL REQUEST (ROUNDED)				12,000
<b>CF Budget Rate used: Korea Won 1,349.5</b>				
<p>IO. Description of Proposed Construction: Concrete foundation and floor slab, masonry walls, roof system, fire protection system, utilities, pavements, and other necessary support. Functional area will include lobby/control joint, admin/support area, gymnasium, group exercise room, cardiovascular room, resistance training room, four racquetball courts, stretching area, general storage, male/female latrines/showers, health and wellness center.</p> <p>Air Conditioning: 880 KW</p>				
<p>11. REQUIREMENT: 5,556 SM ADEQUATE: SM SUBSTANDARD: 2,824 SM</p> <p><b>PROJECT:</b> Construct a fitness center with health and wellness center. (Current Mission)</p> <p><b>REQUIREMENT:</b> An adequate and functional physical fitness complex is needed to eliminate the infrastructure problems and overcrowded conditions in the existing gymnasium, and to provide a year round physical fitness facility to maintain/improve the health and well-being of assigned military personnel at this unaccompanied, isolated and remote location. This is a major personnel quality of life and retention requirement.</p> <p><b>CURRENT SITUATION:</b> The present fitness facility, constructed in 1963, is too small to conduct adequate athletic and physical fitness programs and is in constant need of repair, renovation, and expansion. The current facility is heavily used and has only 50 percent of the authorized space for the base population. In accordance with the USAF Fitness Facilities Design Guide, Kunsan Air Base is authorized 5,556 SM for the fitness center facility with HAWC, however the present facility is only 2,824 SM (2,527 SM for Fitness and 297 SM for HAWC). The fitness center is a necessary recreational and fitness outlet at this isolated and remote location, where personnel serve unaccompanied tours. It serves as the hub for varsity and intramural sports, and instructional</p>				

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION KUNSAN AIR BASE, KOREA (REPUBLIC OF)		4. PROJECT TITLE ADD/ALTER FITNESS CENTER	
5. PROGRAM ELEMENT 22176	6. CATEGORY CODE 740-674	7. PROJECT NUMBER MLWR033125	8. PROJECT COST (\$000) 12,000

and independent exercise programs. Even though the existing fitness center is open 18 hours a day, the demand still exceeds capacity. The existing weight-training area is crowded and poorly designed, causing long waiting periods. Despite the use of a waiting list and optimum scheduling, Wolf Pack airmen are forced to wait to use courts, showers, and the free weight area. Due to lack of space, crowded conditions turn away many patrons who are forced to return later when the facility is less crowded. The aerobic area and latrine/showers are undersized and poorly ventilated. The existing HVAC system is undersized, unreliable and cannot meet heating and cooling requirements for a facility this size. Roof leak problems plague this facility due to numerous additions and varied roof heights. There is no indoor swimming pool and the local climate limits outdoor activities to six months out of the year. Off base facilities are not available and the outdoor pool is only open four months out of the year.

IMPACT IF NOT PROVIDED: Kunsan AB fitness center will continue to be overcrowded and incapable of providing a satisfactory facility for fitness activities which has a direct adverse impact on personnel quality of life, retention, and readiness. Only three of thirteen squadrons can use the fitness center at one time for physical training periods. The major deficiencies at the Kunsan fitness center seriously hinder the ability to provide fitness programs, upgrade fitness equipment, and sustain a mission ready force to meet the wing's threat.

ADDITIONAL: This project meets the scope/criteria specified in Air Force Handbook 32-1084, "Facility Requirements," and Air Force Fitness Center Master Plan criteria. This project is the number one priority in the Air Force Fitness Center Master Plan. This project is eligible for host-nation funding. However, the \$30M annual host nation funding level cannot satisfy all requirements in a reasonable time. Some mission and quality of life projects must be funded with MILCON to provide our personnel a reasonable environment at this remote location. Antiterrorism/force protection features will be in accordance with local threat assessment. BASE CIVIL ENGINEER: Lt Col Brown, 01 I-82-654-470-5400. Fitness Center: 5,556 SM = 59,783 SF.



1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION KUNSAN AIR BASE, KOREA (REPUBLIC OF)		
4. PROJECT TITLE ADD/ALTER FITNESS CENTER	5. PROJECT NUMBER MLWR033125	
<p>12. SUPPLEMENTAL DATA: <span style="float: right;"><b>Design Build</b></span></p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by design-build procedures</p> <p>(2) Basis:</p> <p style="padding-left: 20px;">(a) Standard of Definitive Design - <span style="float: right;">YES</span></p> <p style="padding-left: 20px;">(b) Where Design Was Most Recently Used - <span style="float: right;">USAF Fitness Center Design Gui</span></p> <p>(3) Design Allowance <span style="float: right;">480</span></p> <p>(4) Construction Contract Award Date <span style="float: right;">02 Aug</span></p> <p>(5) Construction Start <span style="float: right;">02 Oct</span></p> <p>(6) Construction Completion <span style="float: right;">05 Jan</span></p> <p>(7) Energy Study/Life-Cycle analysis was/will be performed <span style="float: right;">YES</span></p> <p>b. Equipment associated with this project will be provided from other appropriations: <span style="float: right;">N/A</span></p>		

1. COMPONENT AIR FORCE	<b>FY2002 MILITARY CONSTRUCTION PROGRAM (computer generated)</b>									2. DATE
3. INSTALLATION AND LOCATION OSAN AIR BASE, KOREA					4. COMMAND PACIFIC AIR FORCES					5. AREA CONST COST INDEX 1.12
6. PERSONNEL STRENGTH	P E R M A N E N T			S T U D E N T S			S U P P O R T E D			TOTAL
	OFF	FNL	CIV	OFF	FNI	CIV	OFF	FNI	CIV	
a. As of 30 Sep 00	551	4,493	982				1,084	4,838	595	12,543
b. End FY 2005	552	4,489	977				1,084	4,838	595	12,535
7. INVENTORY DATA \$(000)										
a. Total Acreage 1,777										
b. Inventory Totals as of: 30 Sep 00 401,219										
c. Authorization Not Yet In Inventory: 43,746										
d. Authorization Requested In this Program: 101,142										
e. Authorization Included In Following Program: (FY2003) 14,400										
f. Planned in Next Four Program Years: 0										
g. Remainina Deficiency: <u>226,000</u>										
h. Grand Total: 786,507										
8. Projects Requested in this Program: FY2002										
CATEGORY CODE	PROJECT TITLE					SCOPE	COST \$(000)	DESIGN START	STATUS CMP	
214-425	Vehicle Maintenance Facility					8,274 SM	\$17,317	MAR 00	SEP 01	
2 19-944	Replace Base Civil Engineer Complex					22,956 SM	\$36,000	JUL 01	JUN 02	
610-121	Replace Vehicle Ops Control/Admin Fac					830 SM	\$2,000	Jun 01	Apr 02	
610-142	Replace Traffic Management Facility					4,083 SM	\$5,925	JUN 01	MAY 02	
721-312	Dormitory (156 RM)					156 RM	\$15,800	Aug 01	Apr 02	
721-312	Dormitory					156 RM	\$14,400	MAR 00	SEP 01	
724-415	Officer Dormitory					69 RM	\$9,700	APR 00	SEP 01	
Total							\$101,142			
9a. Future Projects: Included in the Following Program: ( FY2003)										
721-312	Dormitory					156 RM	\$14,400			
Total							\$14,400			
9b. Future Projects: Typically Planned Next Four Years No Projects										
9c. Real Property Maintenance Backlog This Installation 38										
10. Mission or Major Functions: A host fighter wing supporting a F-16 squadron and an A/OA-10 squadron; Headquarters Seventh Air Force; a special operations squadron with MH-53J aircraft; a civil engineering heavy repair squadron (RED HORSE); an Air Mobility Command air mobility support squadron; an Air Combat Command reconnaissance squadron; and an Air Intelliaence Aaency 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 n										

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION OSAN AIR BASE, KOREA (REPUBLIC OF)		4. PROJECT TITLE DORMITORY		
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 721-312	7. PROJECT NUMBER SMYU993090	8. PROJECT COST (\$000) 14,400	
<b>9. COST ESTIMATES</b>				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (156 RM)	LS			11,519
DORMITORY	SM	5,500	1,630	(8,965)
FRAGMENT MITIGATION	SM	5,500	180	(990)
NBC COLLECTIVE PROTECTION/AIR LOCK	LS			(1426)
OTHER ANTITERRORISM FORCE PROTECTION	SM	5,500	25	(138)
SUPPORTING FACILITIES				1,400
UTILITIES	LS			(500)
PAVEMENTS/SITE IMPROVEMENTS	LS			(600)
DEMOLITION/ASBESTOS ABATEMENT	LS			(300)
SUBTOTAL				12,919
CONTINGENCY ( 5.0%)				646
TOTAL CONTRACT COST				13,564
SUPERVISION, INSPECTION & OVERHEAD ( 6.5 %)				882
TOTAL REQUEST				14,446
TOTAL REQUEST (ROUNDED)				14,400
<b>CF Budget Rate used: Korea Won 1,349.5</b>				
<p><b>10. Description of Proposed Construction:</b> A four-story facility with reinforced concrete foundation, floor slabs, and roof, masonry walls, splinter and fragment mitigation and chemical/biological protection. Includes room-bath-room modules, laundries, storage, lounge, air-locks, secured refuse room, all necessary site work and supporting facilities. Other antiterrorism/force protection work to include lighting and setback.</p> <p>Air Conditioning: 400 KW      Grade Mix: 156 EI-E4.</p>				
<p><b>11. REQUIREMENT:</b> 5,114 RM ADEQUATE: 4,168 RM SUBSTANDARD: RM</p> <p><b>PROJECT:</b> Construct a dormitory. (Current Mission)</p> <p><b>REQUIREMENT:</b> 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. Antiterrorism/force protection measures must address the highest threat level in the command.</p> <p><b>CURRENT SITUATION:</b> 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.</p> <p><b>IMPACT IF NOT PROVIDED:</b> 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.</p> <p><b>ADDITIONAL:</b> Project meets the scope/criteria specified in the new "one-plus-one" barracks standard established by OSD. All known alternatives were considered during development of this project. No other option could meet mission requirements. Therefore, no economic analysis was needed or performed. Unaccompanied housing RPM Conducted: FY98=\$2,248K; FY99=\$2,298K; FY00=\$2,348K; Future Unaccompanied Housing</p>				

1. COMPONENT AIR FORCE		FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION OSAN AIR BASE, KOREA (REPUBLIC OF)			4. PROJECT TITLE DORMITORY		
5. PROGRAM ELEMENT 27596		6. CATEGORY CODE 721-312	7. PROJECT NUMBER SMYU993090	8. PROJECT COST (\$000) 14.400	
<p>RPM requirements (estimated) FY01=\$2,400K; FY02=\$2,453K; FY03=\$2,507K; FY04=\$2,600K; FY05=\$2,625K. Antiterrorism Force Protection standards to be met via wartime threat protection features. Project eligible for host-nation funding, not enough funds are available for all requirements. Thus, the large unaccompanied housing deficit at Osan AB requires MILCON funds. BASE CIVIL ENGINEER: Lt Col Hutchinson, 01 I-82-333-661 -4312. Dormitory: 5,500SM=59,180SF</p>					

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3. INSTALLATION AND LOCATION OSAN AIR BASE, KOREA (REPUBLIC OF)																												
4. PROJECT TITLE DORMITORY	5. PROJECT NUMBER SMYU993090																											
<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 style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">(a) Date Design Started</td> <td style="text-align: right;">21-MAR-00</td> </tr> <tr> <td style="padding-left: 20px;">(b) Parametric Cost Estimates used to develop costs</td> <td style="text-align: right;">YES</td> </tr> <tr> <td style="padding-left: 20px;">• (c) Percent Complete as of Jan 01</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;">01 -SEP-00</td> </tr> <tr> <td style="padding-left: 20px;">(e) Date Design Complete</td> <td style="text-align: right;">01 -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;">YES</td> </tr> </table> <p>(2) Basis:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">(a) Standard of 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;">OSAN</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">(a) Production of Plans and Specifications</td> <td style="text-align: right;"><b>864</b></td> </tr> <tr> <td style="padding-left: 20px;">(b) All Other Design Costs</td> <td style="text-align: right;"><b>432</b></td> </tr> <tr> <td style="padding-left: 20px;">(c) Total</td> <td style="text-align: right;"><b>1,296</b></td> </tr> <tr> <td style="padding-left: 20px;">(d) Contract</td> <td style="text-align: right;">1,080</td> </tr> <tr> <td style="padding-left: 20px;">(e) In-house</td> <td style="text-align: right;">216</td> </tr> </table> <p>(4) Construction Contract Award Date <span style="float: right;">01 Dec</span></p> <p>(5) Construction Start <span style="float: right;">02 Mar</span></p> <p>(6) Construction Completion <span style="float: right;">03 Mar</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: <span style="margin-left: 100px;"><b>N/A</b></span></p>			(a) Date Design Started	21-MAR-00	(b) Parametric Cost Estimates used to develop costs	YES	• (c) Percent Complete as of Jan 01	15 %	• (d) Date 35% Designed.	01 -SEP-00	(e) Date Design Complete	01 -SEP-01	(f) Energy Study/Life-Cycle analysis was/will be performed	YES	(a) Standard of Definitive Design -	YES	(b) Where Design Was Most Recently Used -	OSAN	(a) Production of Plans and Specifications	<b>864</b>	(b) All Other Design Costs	<b>432</b>	(c) Total	<b>1,296</b>	(d) Contract	1,080	(e) In-house	216
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3. INSTALLATION AND LOCATION OSAN AIR BASE, KOREA (REPUBLIC OF)			4. PROJECT TITLE DORMITORY (156 RM)		
5. PROGRAM ELEMENT 22176	6. CATEGORY CODE 721-312	7. PROJECT NUMBER SMYU993110	8. PROJECT COST (\$000) 15,800		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (156 RM)		LS			11,938
ANTITERRORISM/FORCE PROTECTION		SM	5,460	59	(322;
COLLECTIVE PROTECTION SYSTEM		SM	1,000	2,000	(2,000)
SPLINTER PROTECTION		SM	6,460	61	(394)
DORMITORY		SM	5,460	1,689	(9,222)
SUPPORTING FACILITIES					2,191
UTILITIES		LS			(4551
PILE FOUNDATION		LS			(284)
PAVEMENTS		LS			(100)
SITE IMPROVEMENTS		LS			(402)
CONTAMINATED SOIL/REMEDICATION		LS			(150)
REARRANGE SOFTBALL FIELDS/DEMO/REBUILD BLDGS		LS			(800)
SUBTOTAL					14,129
CONTINGENCY ( 5.0%)					706
TOTAL CONTRACT COST					14,836
SUPERVISION, INSPECTION & OVERHEAD ( 6.5 %)					964
TOTAL REQUEST					15,800
TOTAL REQUEST (ROUNDED)					15,800
<b>FCF Budget Rate used: Korea Won 1,349.5</b>					
10. Description of Proposed Construction: A multi-story facility with reinforced concrete foundation and floor slabs and reinforced concrete walls and roof, fire sprinkler system with detectors, splinter protection and NBC protection. Includes room-bath-room modules, laundries, lounge, air-lock areas, and generator. Site work includes rearranging existing softball fields, with lighting and dugouts, and demo/rebuild Bldgs 1418, 1404, and 1402.					
Air Conditioning: 400 KW      Grade Mix: 156 EI-E4.					
11. REQUIREMENT: 5,114 SM ADEQUATE: 3,932 SM SUBSTANDARD: 194 SM					
<u>PROJECT:</u> Construct a dormitory with all utilities and necessary supports.      (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, adequately configured, and furnished quarters that provide 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.					
<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					

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION OSAN AIR BASE, KOREA (REPUBLIC OF)		4. PROJECT TITLE DORMITORY (156 RM)	
5. PROGRAM ELEMENT 22176	6. CATEGORY CODE 721-312	7. PROJECT NUMBER SMYU993110	8. PROJECT COST (\$000) 15,800
enlisted personnel.			
<p><u>ADDITIONAL:</u> Project meets the scope/criteria specified in the new 1 +1 barracks standard established by OSD. All known alternatives were considered during development of this project. No other option could meet mission requirements. Therefore, no economic analysis was needed or performed. Unaccompanied Housing RPM conducted: \$2,248K in FY98, \$2,298K in FY99, \$2,348K in FY00. Future Unaccompanied Housing RPM requirements (estimated): FY01: \$2,400K, FY02: \$2,453K, FY03: \$2,507K, FY04: \$2,600K, FY05: \$2,625K. Antiterrorism/force protection standards met via splinter protection/chemical-biological protection features in this project. Project eligible for ROK Funded Construction, but building dormitories in reasonable time requires both ROKFC and MILCON funds. BASE CIVIL ENGINEER: Lt Col Hutchison, 01 I-82-31 -661-4312.</p>			

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<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;">06-Aug-01</td> </tr> <tr> <td style="padding-left: 20px;">(b) Parametric Cost Estimates used to develop costs</td> <td style="text-align: right;">YES</td> </tr> <tr> <td style="padding-left: 20px;">• (c) Percent Complete as of Jan 01</td> <td style="text-align: right;">1 %</td> </tr> <tr> <td style="padding-left: 20px;">• (d) Date 35% Designed.</td> <td style="text-align: right;">08-Oct-01</td> </tr> <tr> <td style="padding-left: 20px;">(e) Date Design Complete</td> <td style="text-align: right;">28-Apr-02</td> </tr> <tr> <td style="padding-left: 20px;">(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td style="text-align: right;">YES</td> </tr> </table> <p>(2) Basis:</p> <table border="0" style="width: 100%;"> <tr> <td style="padding-left: 20px;">(a) Standard of 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></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;">948</td> </tr> <tr> <td style="padding-left: 20px;">(b) All Other Design Costs</td> <td style="text-align: right;"><b>474</b></td> </tr> <tr> <td style="padding-left: 20px;">(c) Total</td> <td style="text-align: right;">1,422</td> </tr> <tr> <td style="padding-left: 20px;">(d) Contract</td> <td style="text-align: right;">1,185</td> </tr> <tr> <td style="padding-left: 20px;">(e) In-house</td> <td style="text-align: right;"><b>237</b></td> </tr> </table> <p>(4) Construction Contract Award Date <span style="float: right;"><b>02 Aug</b></span></p> <p>(5) Construction Start <span style="float: right;"><b>02 Sep</b></span></p> <p>(6) Construction Completion <span style="float: right;"><b>04 Oct</b></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: <span style="margin-left: 100px;"><b>N/A</b></span></p>			(a) Date Design Started	06-Aug-01	(b) Parametric Cost Estimates used to develop costs	YES	• (c) Percent Complete as of Jan 01	1 %	• (d) Date 35% Designed.	08-Oct-01	(e) Date Design Complete	28-Apr-02	(f) Energy Study/Life-Cycle analysis was/will be performed	YES	(a) Standard of Definitive Design -	NO	(b) Where Design Was Most Recently Used -		(a) Production of Plans and Specifications	948	(b) All Other Design Costs	<b>474</b>	(c) Total	1,422	(d) Contract	1,185	(e) In-house	<b>237</b>
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1. COMPONENT AIR FORCE		FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE			
3. INSTALLATION AND LOCATION OSAN AIR BASE, KOREA (REPUBLIC OF)				4. PROJECT TITLE OFFICER DORMITORY				
5. PROGRAM ELEMENT 27596		6. CATEGORY CODE 724-415	7. PROJECT NUMBER SMYU993180		8. PROJECT COST (\$000) 9,700			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
OFFICER DORMITORY					LS			<b>7,793</b>
UNACCOMPANIED OFFICER QUARTERS					SM	4,037	1,539	(6,213
SPLINTER PROTECTION					SM	4,037	184	(743
COLLECTIVE PROTECTION					LS			(796
AIR LOCK					SM	22	1,545	(34
SECURED REFUSE ROOM					SM	9	778	(7
SUPPORTING FACILITIES								878
UTILITIES					LS			(400
PAVEMENTS/SITE WORK/PILE FOUNDATION					LS			(400
DEMOLITON/ENVIRONMENTAL/ASBESTOS					SM	866	90	(78:
SUBTOTAL								8,671
CONTINGENCY ( 5.0%)								434
TOTAL CONTRACT COST								9,104
SUPERVISION, INSPECTION & OVERHEAD ( 6.5 %)								592
TOTAL REQUEST								<b>9,696</b>
TOTAL REQUEST (ROUNDED)								<b>9,700</b>
FCF Budget Rate <b>used: Korea Won 1,349.5</b>								
<p>10. Description of Proposed Construction: A multi-story facility with reinforced concrete foundation and floor slab, masonry walls, reinforced concrete roof, splinter and chemical/biological protection. Includes officer room-bath nodules, laundries, storage, lounge, air-lock areas, secured refuse room and all necessary site work and supporting facilities. Demolishes 4 buildings.</p> <p>Air Conditioning: 100 KW      Grade Mix: 8 01-02.  Grade Mix: 61 03-010.</p>								
<p>11. REQUIREMENT: 457 SM ADEQUATE: 388 SM SUBSTANDARD: 6 SM</p> <p><b>PROJECT:</b> Construct unaccompanied officer quarters. (Current Mission)</p> <p><b>REQUIREMENT:</b> Adequate on-base unaccompanied officer quarters are required for force protection and to provide officers a reasonable degree of comfort and individual privacy which are essential to their successful accomplishment of increasingly complicated and important jobs they must perform. Critical personnel must be protected from effects of conventional explosives, small arms fire and chemical/biological weapons at this fight-in-lace base.</p> <p><b>CURRENT SITUATION:</b> Osan has a 69 room deficit of on-base unaccompanied officer quarters. Over 40 rooms of the deficit are caused by recent/on-going increases in officer personnel associated with the plus-up in the 54th RED HORSE Squadron, increased A-10 mission and the Army Patriot missile batteries assigned to Osan. Due to the lack of adequate on-base quarters, officers are forced to live off-base which creates three threats to them: (1) they become an easy target for terrorist action, (2) residing off-base reduces the probability of survival in a chemical/biological environment (a recognized potential threat), and (3) local housing poses dangerous living conditions due to substandard utilities, nonpotable water, and dangerous heating systems.</p> <p><b>IMPACT IF NOT PROVIDED:</b> Lack of safe on-base unaccompanied officer quarters will continue and require</p>								

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION OSAN AIR BASE, KOREA (REPUBLIC OF)		4. PROJECT TITLE OFFICER DORMITORY	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 724-415	7. PROJECT NUMBER SMYU993180	8. PROJECT COST (\$000) 9,700
<p>personnel to live off-base placing them at unacceptable risks. This will adversely affect morale and readiness of wing personnel. Low morale will contribute to retention difficulties for the Air Force.</p>			
<p><u>ADDITIONAL:</u> Project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." It is eligible for host nation funding, but the \$30M HN annual funding level cannot satisfy all requirements in a reasonable time. Some mission essential facilities at this fight-in-place base must be funded with MILCON to sustain combat capability. Preliminary analysis of options for satisfying this requirement indicates that only one option meets mission needs. Therefore, a complete economic analysis was not performed. A certificate of exception has been prepared. A Nov 97 Joint Staff Integrated Vulnerability Assessment identified that personnel are at substantial terrorist risk due to the surrounding urban environment. Construction of on-base quarters limits this risk. BASE CIVIL ENGINEER: Lt Col Hicks, 011-82-333-661-4312. Unaccompanied Officer Dormitory: 4,037 SM = 43,438SF</p>			

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE																										
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4. PROJECT TITLE OFFICER DORMITORY		5. PROJECT NUMBER SMYU993180																										
<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;">01 -APR-00</td> </tr> <tr> <td style="padding-left: 20px;">(b) Parametric Cost Estimates used to develop costs</td> <td style="text-align: right;">YES</td> </tr> <tr> <td style="padding-left: 20px;">• (c) Percent Complete as of Jan 01</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;">30-SEP-00</td> </tr> <tr> <td style="padding-left: 20px;">(e) Date Design Complete</td> <td style="text-align: right;">15-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;">YES</td> </tr> </table> <p>(2) Basis:</p> <table border="0" style="width: 100%;"> <tr> <td style="padding-left: 20px;">(a) Standard of 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></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;">582</td> </tr> <tr> <td style="padding-left: 20px;">(b) All Other Design Costs</td> <td style="text-align: right;">291</td> </tr> <tr> <td style="padding-left: 20px;">(c) Total</td> <td style="text-align: right;">873</td> </tr> <tr> <td style="padding-left: 20px;">(d) Contract</td> <td style="text-align: right;">728</td> </tr> <tr> <td style="padding-left: 20px;">(e) In-house</td> <td style="text-align: right;">146</td> </tr> </table> <p>(4) Construction Contract Award Date <span style="float: right;">01 Dec</span></p> <p>(5) Construction Start <span style="float: right;">02 Feb</span></p> <p>(6) Construction Completion <span style="float: right;">03 Mar</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: <span style="margin-left: 100px;"><b>N/A</b></span></p>			(a) Date Design Started	01 -APR-00	(b) Parametric Cost Estimates used to develop costs	YES	• (c) Percent Complete as of Jan 01	15 %	• (d) Date 35% Designed.	30-SEP-00	(e) Date Design Complete	15-SEP-01	(f) Energy Study/Life-Cycle analysis was/will be performed	YES	(a) Standard of Definitive Design -	NO	(b) Where Design Was Most Recently Used -		(a) Production of Plans and Specifications	582	(b) All Other Design Costs	291	(c) Total	873	(d) Contract	728	(e) In-house	146
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1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION OSAN AIR BASE, KOREA (REPUBLIC OF)		4. PROJECT TITLE REPLACE BASE CIVIL ENGINEER COMPLEX		
5. PROGRAM ELEMENT 22176	6. CATEGORY CODE 219-944	7. PROJECT NUMBER SMYU003040	8. PROJECT COST (\$000) 36,000	
<b>9. COST ESTIMATES</b>				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
BASE CIVIL ENGINEER (BCE) COMPLEX	LS			19,300
BCE COMPLEX	LS			(18900)
ANTITERRORISM/FORCE PROTECTION	LS			(400)
SUPPORTING FACILITIES				12,880
UTILITIES	LS			(2,650)
PAVING, WALKS	LS			(1,900)
SITE IMPROVEMENTS	LS			(7,200)
WASHRACK	EA	1	130,000	(130)
BRIDGE/TUNNEL	LS			(1,000)
SUBTOTAL				32,180
CONTINGENCY ( 5.0%)				1,609
TOTAL CONTRACT COST				33,789
SUPERVISION, INSPECTION & OVERHEAD ( 6.5 %)				2,196
TOTAL REQUEST				<b>35,985</b>
TOTAL REQUEST (ROUNDED)				36,000
<b>FCF Budget Rate used: Korea Won 1,349.5</b>				
<p>10. Description of Proposed Construction: Two-story, special foundation, masonry walls, pitched roof admin building with collective protection; PEB shops and covered storage facilities; concrete foundation, masonry walls hazardous material storage w/environmental features; asphalt paved parking/roadways, and overpass bridge or tunnel. All site work, security, and supporting utilities/facilities to/at unimproved site, soil remediation.</p> <p>Air Conditioning: 90 KW</p>				
<p>11. REQUIREMENT: LS ADEQUATE: LS SUBSTANDARD: LS</p> <p><b>PROJECT:</b> Construct base civil engineer complex. (Current Mission)</p> <p><b>REQUIREMENT:</b> An adequate base civil engineer complex with administrative, maintenance shops, covered storage, vehicle maintenance, and hazardous storage facilities, paved storage/parking, roads and all utilities to effectively support the wing mission. Relocation of the existing deteriorated base civil engineer complex is required to free-up the only on-base site large enough to construct 320 units of on-base military family housing (MFH) required for force protection.</p> <p><b>CURRENT SITUATION:</b> The current civil engineer facilities are deteriorated and have inadequate heating, electrical and plumbing systems. The storage facilities are substandard and too small to properly protect all the vehicles and materials required to maintain the base facilities. Current deteriorated office space is inadequate and does not comply with Air Force standards. Aged facilities do not meet required antiterrorism/force protection criteria at this fight-in-place base. Osan Air Base has very limited space and the site on which the aged civil engineer complex is located is the only area on-base large enough to construct 320 MFH units.</p> <p><b>IMPACT IF NOT PROVIDED:</b> Base civil engineer support to sustain the increasing mission will continue to deteriorate and adversely impact wing combat sustainability. The only on-base site large enough for MFH will not be available to remedy a major force protection situation validated by Joint Staff Integrated Vulnerability Assessment.</p>				

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3. INSTALLATION AND LOCATION OSAN AIR BASE, KOREA (REPUBLIC OF)			4. PROJECT TITLE REPLACE BASE CIVIL ENGINEER COMPLEX		
5. PROGRAM ELEMENT 22176	6. CATEGORY CODE 2 19-944	7. PROJECT NUMBER SMYU003040	8. PROJECT COST (\$000) 36,000		
<p><u>ADDITIONAL:</u> Project meets the criteria specified in Air Force Handbook 32-I 084, "Facility Requirements." It is eligible for host nation funding. However, the low annual host nation funding level cannot satisfy all mission requirements in a reasonable time. Some essential facilities must be MILCON funded to sustain combat capability and provide force protection. Siting is IAW DoD 4270.1 -M, Construction Criteria, dated 3 July 1994, and to comply with US Forces Korea threat level. Preliminary analysis of options for satisfying civil engineer and MFH (FY03 P-71 1, SMYU004014, Construct MFH, Osan Air Base, Korea) requirements indicates only one option meets mission needs. Therefore, a complete economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: Lt Col Hutchinson, 01 I-82-31-661 -4312. Base Civil Engineer Complex: 16,290 SM = 175,280 SF.</p>					

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<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 style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">(a) Date Design Started</td> <td style="text-align: right;">02-JUL-01</td> </tr> <tr> <td style="padding-left: 20px;">(b) Parametric Cost Estimates used to develop costs</td> <td style="text-align: right;">YES</td> </tr> <tr> <td style="padding-left: 20px;">. (c) Percent Complete as of Jan 01</td> <td style="text-align: right;">1 %</td> </tr> <tr> <td style="padding-left: 20px;">. (d) Date 35% Designed.</td> <td style="text-align: right;">01-NOV-01</td> </tr> <tr> <td style="padding-left: 20px;">(e) Date Design Complete</td> <td style="text-align: right;">03-JUN-02</td> </tr> <tr> <td style="padding-left: 20px;">(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td style="text-align: right;">YES</td> </tr> </table> <p>(2) Basis:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">(a) Standard of 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></td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or(d) + (e): <span style="float: right;">(\$000)</span></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">(a) Production of Plans and Specifications</td> <td style="text-align: right;">2,160</td> </tr> <tr> <td style="padding-left: 20px;">(b) All Other Design Costs</td> <td style="text-align: right;">1,080</td> </tr> <tr> <td style="padding-left: 20px;">(c) Total</td> <td style="text-align: right;">3,240</td> </tr> <tr> <td style="padding-left: 20px;">(d) Contract</td> <td style="text-align: right;">2,700</td> </tr> <tr> <td style="padding-left: 20px;">(e) In-house</td> <td style="text-align: right;">540</td> </tr> </table> <p>(4) Construction Contract Award Date <span style="float: right;">02 Aug</span></p> <p>(5) Construction Start <span style="float: right;">02 Sep</span></p> <p>(6) Construction Completion <span style="float: right;">05 May</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: <span style="margin-left: 100px;"><b>N/A</b></span></p>			(a) Date Design Started	02-JUL-01	(b) Parametric Cost Estimates used to develop costs	YES	. (c) Percent Complete as of Jan 01	1 %	. (d) Date 35% Designed.	01-NOV-01	(e) Date Design Complete	03-JUN-02	(f) Energy Study/Life-Cycle analysis was/will be performed	YES	(a) Standard of Definitive Design -	NO	(b) Where Design Was Most Recently Used -		(a) Production of Plans and Specifications	2,160	(b) All Other Design Costs	1,080	(c) Total	3,240	(d) Contract	2,700	(e) In-house	540
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3. INSTALLATION AND LOCATION OSAN AIR BASE, KOREA (REPUBLIC OF)			4. PROJECT TITLE REPLACE TRAFFIC MANAGEMENT FACILITY	
5. PROGRAM ELEMENT 22176	6. CATEGORY CODE 610-142	7. PROJECT NUMBER SMYU963090	8. PROJECT COST (\$000) 5,925	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
TRAFFIC MANAGEMENT FACILITY	LS			4,180
TRAFFIC MANAGEMENT OFFICE	SM	1,099	1,586	(1,743)
WAREHOUSE/CRATING	SM	2,984	725	(2,163)
COLLATERAL PROTECTION	SM	4,083	67	(274)
SUPPORTING FACILITIES				1,119
UTILITIES/FENCING/STANDBY GENERATOR	LS			(314)
PAVEMENTS/SITE IMPROVMT/OFF-LOAD DOCK	LS			(283)
STORM DRNG/SPECIAL FOUNDATION	LS			(229)
DEMOLITION/ENVIRONMENTAL CLEAN UP	SM	2.438	120	(293)
SUBTOTAL				5,299
CONTINGENCY ( 5.0%)				265
TOTAL CONTRACT COST				5,563
SUPERVISION, INSPECTION & OVERHEAD ( 6.5 %)				362
TOTAL REQUEST				5,925
TOTAL REQUEST (ROUNDED)				5,925
<b>FCF Budget Rate used: Korea Won 1,349.5</b>				
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, masonry walls and roofing system, fire detection and protection system, and collateral protection. Includes shipping/receiving space, loading dock, offices, crating, storage and toilets. Also, pavement, fencing, emergency generator, and all necessary supporting utilities/facilities. Demolishes three buildings. Air Conditioning: 75 KW				
11. REQUIREMENT: 4,083 SM ADEQUATE: SM SUBSTANDARD: 3,168 SM PROJECT: Construct a traffic management office. (Current Mission)  REQUIREMENT: An adequate traffic management facility is needed to consolidate traffic management functions from four deteriorated facilities. Essential sortie generating engines, parts and materials and personnel must be protected from collateral damage during combat operations at this fight-in-place base. Military and commercial computer functions critical to the Air Force's new "Agile Logistics" supply/resupply support of critical aircraft parts/supplies for Osan AB, Kunsan AB and the COBs throughout the Korean Theater must be protected to ensure sustainment of combat capability at all these bases.  CURRENT SITUATION: The Traffic Management functions are housed in four undersized deteriorated facilities constructed in the early 1970s. Critical cargo movement/tracking computer systems (government, DHC and Fed Ex) are at risk of damage due to rain or ceiling collapse. If the computers are damaged, processing of critical sortie generation assets, aircraft parts (including engines and MICAPS) will be slow and adversely impact wing mission capability. The office where these computers are located has been assigned a Risk Assessment Code (RAC) 3 due to the ceiling collapsing in the facility. The facilities are too small so packing, receiving and storage of cargo is done outside. This condition exposes cargo to damage by the elements and enemy attack. Also, critical or sensitive materials being crated outside make them more vulnerable as possible terrorist targets. The loading/unloading process is cumbersome and unsafe because there are no loading docks. Two all-terrain forklifts must be used in tandem to load and unload large equipment items or seavans. Also, inbound/outbound				

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3. INSTALLATION AND LOCATION OSAN AIR BASE, KOREA (REPUBLIC OF)		4. PROJECT TITLE REPLACE TRAFFIC MANAGEMENT FACILITY	
5. PROGRAM 22176 ELEMENT	6. CATEGORY 61 0-142 CODE	7. PROJECT SMYU963090 NUMBER	8. PROJECT COST 5,925 (\$000)

cargo must process in/out of two or three facilities which slows the processing of critical assets needed for wing sortie generation.

IMPACT IF NOT PROVIDED: Current undersized, substandard and separated facilities will continue to cause inefficient operations that adversely impact wing aircraft sortie rates and cause degraded ability to process inbound cargo to support sustained operations during a contingency. Also, personnel efficiency and sortie generation assets will continue to deteriorate due to exposure to the elements and enemy attack during combat operations.

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 not performed. A certificate of exception has been prepared. This project is eligible for host-nation funding, but the \$30M host nation annual funding level cannot satisfy all requirements in a reasonable time. Some mission essential projects must be funded with MILCON to sustain combat capability. Anti-Terrorism/Force Protection requirements met by the collateral protection required by HQ Air Force Civil Engineer Support Agency War Mobilization Plan-I. BASE CIVIL ENGINEER: Lt Col Hutchison, 01 I-82-31 -661-4312. Traffic Management Facility: 4,083 SM = 43,933 SF



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3. INSTALLATION AND LOCATION OSAN AIR BASE, KOREA (REPUBLIC OF)			4. PROJECT TITLE REPLACE VEHICLE OPS CONTROL/ADMIN FAC	
5. PROGRAM ELEMENT 22176	6. CATEGORY CODE 610-121	7. PROJECT NUMBER SMYU993190	8. PROJECT COST (\$000) 2,000	
<b>9. COST ESTIMATES</b>				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
VEHICLE OPERATIONS ADMINISTRATION	LS			1,420
VEHICLE OPERATIONS ADMIN	SM	830	1,611	(1,337
SPLINTER PROTECTION	SM	830	100	(83:
SUPPORTING FACILITIES				369
UTILITIES/STANDBY GENERATOWFENCES	LS			(113
PAVEMENTS/SITE IMPROVEMENTS	LS			(141'
STORM DRAINAGE/SPECIAL FOUNDATION	LS			(66'
DEMOLITION/ENVIRONMENTAL CLEAN UP	SM	492	99	(49
SUBTOTAL				1,789
CONTINGENCY ( 5.0%)				89
TOTAL CONTRACT COST				1,878
SUPERVISION, INSPECTION & OVERHEAD ( 6.5 %)				122
TOTAL REQUEST				2,000
TOTAL REQUEST (ROUNDED)				2,000
<b>FCF Budaet Rate used: Korea Won 1,349.5</b>				
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, masonry walls and roof, fire detection/protection and splinter protection. Includes offices, admin area, multi-purpose room, storage, dispatch, drivers' ready room, and toilets. Standby generator, pavements, site improvements, fencing, area lighting and all necessary supporting facilities and utilities. Demolishes 1 building. Air Conditioning: 20 KW				
11. REQUIREMENT: 830 SM ADEQUATE: SM SUBSTANDARD: 492 SM				
<u>PROJECT:</u> Construct a vehicle operations administration facility. (Current Mission)				
<u>REQUIREMENT:</u> An adequate facility, properly sized, sited and configured, is required to support the effective management, operation and control of the base vehicle fleet to support the wing mission in peacetime and war. The facility must be collocated with the vehicle maintenance facility and open vehicle parking. Critical personnel and communications equipment must be protected from conventional explosives and small arms fire at this <b>fight-in-place</b> base.				
<u>CURRENT SITUATION:</u> The existing vehicle operations administration building is a 1977 pre-engineered metal building which is badly deteriorated, has a leaking roof, and is overcrowded. Heating and air conditioning systems are inadequate for the harsh Korean climate. Since the facility is too small, some operational personnel are housed in trailers scattered around the transportation yard.				
<u>IMPACT IF NOT PROVIDED:</u> Current undersized and deteriorated facility will continue to hinder effective and efficient vehicle support to the base's wartime and peacetime operations and mission. The substandard condition of the facility will continue to create an undesirable work environment which adversely affects personnel morale, productivity and retention.				
<u>ADDITIONAL:</u> This project meets criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." It is eligible for host-nation funding, but the <b>\$30M</b> annual host nation funding level cannot satisfy all requirements in a reasonable time. Some mission-essential facilities must be funded with <b>MILCON</b> to sustain				

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE 1
3. INSTALLATION AND LOCATION OSAN AIR BASE, KOREA (REPUBLIC OF)		4. PROJECT TITLE REPLACE VEHICLE OPS CONTROL/ADMIN FAC	
5. PROGRAM ELEMENT 22176	6. CATEGORY CODE 610-121	7. PROJECT NUMBER SMYU993190	8. PROJECT COST (\$000) 2,000
<p>a combat capability at this fight-in-place base. 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. Anti-Terrorism/Force Protection requirements are met by splinter protection features in this project required by HQ Air Force Civil Engineer Support Agency War Mobilization Plan-I. CIVIL ENGINEER: Lt Col Hutchison, 01 I-82-31-661 -4312. Vehicle Operations Admin Facility: 830SM = 8,931 SF.</p>			

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION OSAN AIR BASE, KOREA (REPUBLIC OF)		
4. PROJECT TITLE REPLACE VEHICLE OPS CONTROUADMIN FAC		5. PROJECT NUMBER SMYU993190
12. SUPPLEMENTAL DATA: <b>Design, Bid, Build</b>		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		18-Jun-01
(b) Parametric Cost Estimates used to develop costs		YES
(c) Percent Complete as of Jan 01		1 %
(d) Date 35% Designed.		08-Oct-01
(e) Date Design Complete		28-Apr-02
(f) Energy Study/Life-Cycle analysis was/will be performed		YES
(2) Basis:		
(a) Standard of Definitive Design -		NO
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or(d) + (e): (\$000)		
(a) Production of Plans and Specifications		120
(b) All Other Design Costs		<b>60</b>
(c) Total		<b>180</b>
(d) Contract		150
(e) In-house		<b>30</b>
(4) Construction Contract Award Date		<b>02 Aug</b>
(5) Construction Start		<b>02 Sep</b>
(6) Construction Completion		<b>03 Sep</b>
• 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: <b>N/A</b>		

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION OSAN AIR BASE, KOREA (REPUBLIC OF)			4. PROJECT TITLE VEHICLE MAINTENANCE FACILITY	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 214-425	7. PROJECT NUMBER SMYU963091	8. PROJECT COST (\$000) 17,317	
<b>9. COST ESTIMATES</b>				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
VEHICLE MAINTENANCE FACILITY	LS			11,625
(2)VEHICLE MAINTENANCE FACILITY	SM	8,274	1,344	(11,120)
FRAGMENT MITIGATION AND NBC PROTECTION	SM	8,274	43	(356)
OTHER ANTITERRORISM FORCE PROTECTION	SM	8,274	18	(149)
SUPPORTING FACILITIES				3,861
UTILITIES/GASOLINE STORAGE TANK	LS			(723)
PAVEMENTS/FENCING/PILE FOUNDATION	LS			(2,010)
SITE IMPROVEMENTS/LANDSCAPING	LS			(423)
EMERGENCY GENERATOR WITH ENCLOSURE	LS			(193)
DEMOLITION	SM	5,220	98	(512)
SUBTOTAL				15,486
CONTINGENCY ( 5.0 %)				774
TOTAL CONTRACT COST				16,260
SUPERVISION, INSPECTION & OVERHEAD ( 6.5 %)				1,057
TOTAL REQUEST				17,317
TOTAL REQUEST (ROUNDED)				17,317
<b>FCF Budaet Rate used: Korea Won 1349.5</b>				
10. Description of Proposed Construction: Reinforced concrete foundation, floor slab, concrete walls and roof system, fire protection system and splinter protection, hoists and cranes. Includes high bay maintenance area, offices, tools/parts storage, shops, paint booth, pavements, fencing, all utilities and all necessary support. Demolishes 10 buildings (5,220 SM). Air Conditioning: 100 KW				
11. REQUIREMENT: 8,274 SM ADEQUATE: SM SUBSTANDARD: 4,531 SM <b>PROJECT:</b> Construct a vehicle maintenance facility. (Current Mission) <b>REQUIREMENT:</b> An adequate facility for maintenance, inspection, repair and control of the base's 1,400+ vehicles and specialized equipment fleet. The fleet supports the high ops tempo wing flying operations for F-16 and A-10 aircraft. Critical equipment and personnel must be protected from the effects of conventional explosives and small arms fire at this in-place warfighting base. <b>CURRENT SITUATION:</b> The existing vehicle maintenance function is housed in eleven deteriorated facilities. These facilities are over 35 years old and lack environmental and Occupational Safety and Health (OSHA) standards and only provide 54% of the work space needed for operations. This forces over 90% of the vehicles/equipment larger than a pickup truck to be maintained outdoors in unsafe working conditions. When outdoors, both personnel and equipment are unprotected from extremes of heat and below-zero weather, as well as enemy attack during combat operations. During extreme summer heat and sub-zero winter cold, mechanics are constantly on work/rest cycles, slowing turn-around times for all equipment needed to meet the wing mission, as well as support to the Air Mobility Command mission. These unsafe fragmented operations hinder effective use of personnel, materials and equipment and will continue to slow turn-around time for critical equipment needed by the wing to keep the airfield operational and sortie generations at the levels required to meet the wing's commitments in the Korean Theater.				

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION OSAN AIR BASE, KOREA (REPUBLIC OF)		4. PROJECT TITLE VEHICLE MAINTENANCE FACILITY	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 214-425	7. PROJECT NUMBER SMYU963091	8. PROJECT COST (\$000) 17,317
<p><u>IMPACT IF NOT PROVIDED:</u> Current undersized, substandard and separated facilities will continue to cause inefficient operations that adversely impact wing aircraft sortie rates and cause degraded ability to support inbound phased forces. Additionally, maintenance personnel efficiency and sortie generation assets will continue to deteriorate due to excessive exposure to the elements and enemy attack during combat operations.</p> <p><u>ADDITIONAL:</u> This project meets criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." It is eligible for host-nation funding, but the \$30M annual host-nation funding level cannot satisfy all requirements in a reasonable time. Some mission-essential facilities at this fight-in-place base must be funded with MILCON to sustain combat capability. 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. Anti-Terrorism/Force Protection requirements are met by the splinter protection features in this project required by HQ Air Force Civil Engineer Support Agency War Mobilization Plan-1. Base Civil Engineer: Lt Col Hicks, 01 I-82-333-661 -4312. Vehicle Maintenance Facility: 8,274 SM = 89,028 SF</p>			

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE																										
3. INSTALLATION AND LOCATION OSAN AIR BASE. KOREA (REPUBLIC OF)																												
4. PROJECT TITLE VEHICLE MAINTENANCE FACILITY		5. PROJECT NUMBER SMYU963091																										
<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;">21-MAR-00</td> </tr> <tr> <td style="padding-left: 20px;">(b) Parametric Cost Estimates used to develop costs</td> <td style="text-align: right;">YES</td> </tr> <tr> <td style="padding-left: 20px;">(c) Percent Complete as of Jan 01</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;">01 -SEP-00</td> </tr> <tr> <td style="padding-left: 20px;">(e) Date Design Complete</td> <td style="text-align: right;">01 -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;">YES</td> </tr> </table> <p>(2) Basis:</p> <table border="0" style="width: 100%;"> <tr> <td style="padding-left: 20px;">(a) Standard of 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></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;">1,039</td> </tr> <tr> <td style="padding-left: 20px;">(b) All Other Design Costs</td> <td style="text-align: right;">520</td> </tr> <tr> <td style="padding-left: 20px;">(c) Total</td> <td style="text-align: right;">1,559</td> </tr> <tr> <td style="padding-left: 20px;">(d) Contract</td> <td style="text-align: right;">1,299</td> </tr> <tr> <td style="padding-left: 20px;">(e) In-house</td> <td style="text-align: right;">260</td> </tr> </table> <p>(4) Construction Contract Award Date <span style="float: right;">01 Dec</span></p> <p>(5) Construction Start <span style="float: right;">02 Mar</span></p> <p>(6) Construction Completion <span style="float: right;"><b>03 Dec</b></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: <span style="margin-left: 100px;"><b>N/A</b></span></p>			(a) Date Design Started	21-MAR-00	(b) Parametric Cost Estimates used to develop costs	YES	(c) Percent Complete as of Jan 01	15 %	(d) Date 35% Designed.	01 -SEP-00	(e) Date Design Complete	01 -SEP-01	(f) Energy Study/Life-Cycle analysis was/will be performed	YES	(a) Standard of Definitive Design -	NO	(b) Where Design Was Most Recently Used -		(a) Production of Plans and Specifications	1,039	(b) All Other Design Costs	520	(c) Total	1,559	(d) Contract	1,299	(e) In-house	260
(a) Date Design Started	21-MAR-00																											
(b) Parametric Cost Estimates used to develop costs	YES																											
(c) Percent Complete as of Jan 01	15 %																											
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(e) In-house	260																											

1. COMPONENT AIR FORCE	<b>FY2002 MILITARY CONSTRUCTION PROGRAM (computer generated)</b>							2. DATE		
3. INSTALLATION AND LOCATION ESKISEHIR, TURKEY				4. COMMAND UNITED STATES AIR FORCES IN EUROPE				5. AREA CONST COST INDEX 0.91		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	FNI	CIV	OFF	FNI	CIV	OFF	FNI	CIV	
	a. As of 30 Sep 00	8	6	1						
b. End FY 2005	8	6	1							15
7. INVENTORY DATA \$(000)										
a. Total Acreage										
b. Inventory Totals as of: 30 Sep 00										
c. Authorization Not Yet In Inventory:										
d. Authorization Requested In this Program:										
e. Authorization Included In Following Program: (FY2003)										
f. Planned in Next Four Program Years:										
g. Remainina Deficiency:										
h. Grand Total:										
8. Projects Requested in this Program: FY2002										
CATEGORY						COST		DESIGN		STATUS
CODE	PROJECT TITLE				SCOPE	\$(000)	START	CMP		
721-312	Dormitory/Mission Support Facility (32 RM)				32 RM	\$4,000	Jun 01	Apr 02		
Total						\$4,000				
9a. Future Projects: Included in the Following Program: ( FY2003) No Projects										
9b. Future Projects: Typically Planned Next Four Years No Projects										
9c. Real Property Maintenance Backlog This Installation 0										
10. Mission or Major Functions: Provides peacetime coordination of air policing over the host nation of Turkey and air defense over the host nation and other nations durina wartime/conflict as tasked by NATO SHAPE.										
11. Outstanding pollution and safety (OSHA) deficiencies:										
a. Air pollution										
b. Water pollution										
c. Occupational Safety and Health										
d. Other Environmental										



1. COMPONENT AIR FORCE		FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION ESKISEHIR, TURKEY			4. PROJECT TITLE DORMITORY/MISSION SUPPORT FACILITY (32 RM)			
5. PROGRAM ELEMENT 22176		6. CATEGORY CODE 721-312	7. PROJECT NUMBER LJYC013006		8. PROJECT COST (\$000) 4,000	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
DORMITORY		LS			2,618'	
DORMITORY (32 RM)		SM	1,120	1,656	(1,855)	
FORCE PROTECTION/ANTITERRORISM		LS			(300)	
MISSION SUPPORT		SM	280	1,656	(464)	
SUPPORTING FACILITIES					960'	
UTILITIES		LS			(275)	
SITE IMPROVEMENTS		LS			(115)	
PAVEMENTS		LS			(570)	
SUBTOTAL					3,576'	
CONTINGENCY ( 5.0%)					179	
TOTAL CONTRACT COST					3,757	
SUPERVISION, INSPECTION & OVERHEAD ( 6.5 %)					244	
TOTAL REQUEST					4,002	
TOTAL REQUEST (ROUNDED)					4,000	
<b>FCF Budget Rate used: Turkey Lira 1,255,000</b>						
10. Description of Proposed Construction: Construct facility with reinforced concrete walls, foundation and floor slabs and pitched roof. Provides private living, kitchen and bath for all ranks. Includes laundry room, and all supporting utilities and site improvements including parking and landscaping. Additional FP: laminated glass windows with metal frames, steel doors, gate/fence, CCTV, PAS, back-up generator and exterior lighting. 4ir Conditioning: 65 KW						
11. REQUIREMENT: 32 RM ADEQUATE: 32 RM SUBSTANDARD: RM						
<u>JROJECT:</u> Construct a 15 Person dormitory with mission support area for personnel assigned to CAOC6. (Current Mission).						
<u>REQUIREMENT:</u> As a remote overseas location with a sensitive mission, the facility must be constructed to deter terrorist activity and protect occupants from terrorist attack. The current Memorandum of Agreement with Turkey stipulates construction of two facilities to blend in with the existing lo-unit apartment buildings, so it may be necessary to construct two facilities for the single requirement.						
<u>CURRENT SITUATION:</u> Air Force Dormitory Master Plan verifies there is no on-base facility. Personnel currently occupy 11 units of a 20-unit apartment building in the community. Local construction presents tremendous life-safety and quality of life concerns. The fortified improvements of the current facility draw attention to the building, displease the Turkish tenants in the other 9 units, and exacerbate <b>AT/FP</b> concerns.						
<u>MPACT IF NOT PROVIDED:</u> Personnel will continue to be housed in substandard, vulnerable leased facilities beyond the protective perimeter of Turkish Air Force MFH.						
<u>ADDITIONAL:</u> This project is not eligible for NATO funding. Project will require US and Turkish General Staff approval. Project will be designed and constructed to meet the stricter of Turkish or US standards. This project meets the criteria/scope specified for unaccompanied officer housing by OSD and AFH 32-1084. All known alternatives were considered during the development of this project. No other option could meet mission requirements. Therefore, no economic analysis was performed. Force protection measures will be considered						

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION ESKISEHIR, TURKEY		4. PROJECT TITLE DORMITORY/MISSION SUPPORT FACILITY (32 RM	
5. PROGRAM ELEMENT 22176	6. CATEGORY CODE 721-312	7. PROJECT NUMBER LJYC013006	8. PROJECT COST (\$000) 4,000
IAW DoD Minimum Design Standards as well as EUCOM Operations Order 99-I. Dormitory: 1,120 SM = 12,051 SF.			

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE																				
3. INSTALLATION AND LOCATION ESKISEHIR, TURKEY																						
4. PROJECT TITLE DORMITORY/MISSION SUPPORT FACILITY (32 RM)	5. PROJECT NUMBER LJYC013006																					
<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 style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">(a) Date Design Started</td> <td style="text-align: right;">25-Jun-01</td> </tr> <tr> <td colspan="2"> <p>(b) Parametric Cost Estimates used to develop costs</p> <p>• (c) Percent Complete as of Jan 01 <span style="float: right;">1 %</span></p> <p>• (d) Date 35% Designed. <span style="float: right;">08-Oct-01</span></p> <p>(e) Date Design Complete <span style="float: right;">28-Apr-02</span></p> <p>(f) Energy Study/Life-Cycle analysis was/will be performed <span style="float: right;">YES</span></p> </td> </tr> <tr> <td colspan="2"> <p>(2) Basis:</p> <p>(a) Standard of Definitive Design - <span style="float: right;">NO</span></p> <p>(b) Where Design Was Most Recently Used -</p> </td> </tr> <tr> <td colspan="2"> <p>(3) Total Cost (c) = (a) + (b) or(d) + (e): <span style="float: right;">(\$000)</span></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">(a) Production of Plans and Specifications</td> <td style="text-align: right;"><b>240</b></td> </tr> <tr> <td style="padding-left: 20px;">(b) All Other Design Costs</td> <td style="text-align: right;">120</td> </tr> <tr> <td style="padding-left: 20px;">(c) Total</td> <td style="text-align: right;"><b>360</b></td> </tr> <tr> <td style="padding-left: 20px;">(d) Contract</td> <td style="text-align: right;"><b>300</b></td> </tr> <tr> <td style="padding-left: 20px;">(e) In-house</td> <td style="text-align: right;"><b>60</b></td> </tr> </table> </td> </tr> <tr> <td colspan="2"> <p><b>(4) Construction Contract Award Date</b> <span style="float: right;">02 Jun</span></p> <p>(5) Construction Start <span style="float: right;"><b>02 Aug</b></span></p> <p>(6) Construction Completion <span style="float: right;"><b>03 Aug</b></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> </td> </tr> </table> <p>b. Equipment associated with this project will be provided from other appropriations: <span style="margin-left: 100px;"><b>N/A</b></span></p>			(a) Date Design Started	25-Jun-01	<p>(b) Parametric Cost Estimates used to develop costs</p> <p>• (c) Percent Complete as of Jan 01 <span style="float: right;">1 %</span></p> <p>• (d) Date 35% Designed. <span style="float: right;">08-Oct-01</span></p> <p>(e) Date Design Complete <span style="float: right;">28-Apr-02</span></p> <p>(f) Energy Study/Life-Cycle analysis was/will be performed <span style="float: right;">YES</span></p>		<p>(2) Basis:</p> <p>(a) Standard of Definitive Design - <span style="float: right;">NO</span></p> <p>(b) Where Design Was Most Recently Used -</p>		<p>(3) Total Cost (c) = (a) + (b) or(d) + (e): <span style="float: right;">(\$000)</span></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">(a) Production of Plans and Specifications</td> <td style="text-align: right;"><b>240</b></td> </tr> <tr> <td style="padding-left: 20px;">(b) All Other Design Costs</td> <td style="text-align: right;">120</td> </tr> <tr> <td style="padding-left: 20px;">(c) Total</td> <td style="text-align: right;"><b>360</b></td> </tr> <tr> <td style="padding-left: 20px;">(d) Contract</td> <td style="text-align: right;"><b>300</b></td> </tr> <tr> <td style="padding-left: 20px;">(e) In-house</td> <td style="text-align: right;"><b>60</b></td> </tr> </table>		(a) Production of Plans and Specifications	<b>240</b>	(b) All Other Design Costs	120	(c) Total	<b>360</b>	(d) Contract	<b>300</b>	(e) In-house	<b>60</b>	<p><b>(4) Construction Contract Award Date</b> <span style="float: right;">02 Jun</span></p> <p>(5) Construction Start <span style="float: right;"><b>02 Aug</b></span></p> <p>(6) Construction Completion <span style="float: right;"><b>03 Aug</b></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>	
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<p>(b) Parametric Cost Estimates used to develop costs</p> <p>• (c) Percent Complete as of Jan 01 <span style="float: right;">1 %</span></p> <p>• (d) Date 35% Designed. <span style="float: right;">08-Oct-01</span></p> <p>(e) Date Design Complete <span style="float: right;">28-Apr-02</span></p> <p>(f) Energy Study/Life-Cycle analysis was/will be performed <span style="float: right;">YES</span></p>																						
<p>(2) Basis:</p> <p>(a) Standard of Definitive Design - <span style="float: right;">NO</span></p> <p>(b) Where Design Was Most Recently Used -</p>																						
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1. COMPONENT AIR FORCE	<b>FY2002 MILITARY CONSTRUCTION PROGRAM (computer generated)</b>									2. DATE
3. INSTALLATION AND LOCATION RAF LAKENHEATH, UNITED KINGDOM				4. COMMAND UNITED STATES AIR FORCES IN EUROPE					5. AREA CONST COST INDEX 1.44	
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENI	CIV	OFF	ENI	CIV	OFF	FNL	CIV	
	a. As of 30 Sep 00	522	4,152	925				2	6	
b. End FY 2005	520	4,214	908				2	6	337	5,987
7. INVENTORY DATA \$(000)										
a. Total Acreage		2,004								
b. Inventory Totals as of: 30 Sep 00		204,229								
c. Authorization Not Yet In Inventory:		52,337								
d. Authorization Requested In this Program:		11,300								
e. Authorization Included In Following Program: (FY2003)		0								
f. Planned in Next Four Program Years:		58,578								
g. Remainina Deficiency:		10,122								
h. Grand Total:		336,566								
8. Projects Requested in this Program: FY2002										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST \$(000)		DESIGN START	STATUS CMP	
610-122	Replace Supply Material Control				3,698 SM	\$11,300		TURN KEY		
						Total \$11,300				
9a. Future Projects: Included in the Following Program: ( FY2003) No Projects										
9b. Future Projects: Typically Planned Next Four Years										
131-111	Replace Communications Facility				2,207 SM	\$7,800				
141-785	Air Expeditionary Force Cargo Proc Fac				2,847 SM	\$16,250				
141-785	Mobility Processing Facility				2,847 SM	\$2,600				
171-212	4-Bay Mission Training Center				2,098 SM	\$7,600				
721-312	Dormitory				120 RM	\$9,876				
721-312	Dormitory				120 RM	\$9,052				
740-253	Replace Family Support Complex				1,240 SM	\$5,400				
9c. Real Property Maintenance Backlog This Installation									101	
10. Mission or Major Functions: The host fighter wing supports two dual-capable F-15E squadrons an one F-15C/D air superiority squadron. The wing also supports an Air Force regional hospital.										
11. Outstanding pollution and safety (OSHA) deficiencies:										
a. Air pollution		0								
b. Water pollution		250								
c. Occupational Safety and Health		0								
d. Other Environmental		3,916								

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION RAF LAKENHEATH, UNITED KINGDOM			4. PROJECT TITLE REPLACE SUPPLY MATERIAL CONTROL	
5. PROGRAM ELEMENT 22176	6. CATEGORY CODE 610-122	7. PROJECT NUMBER MSET923006	8. PROJECT COST (\$000) 11,300	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE SUPPLY MATERIAL CONTROL	LS			7,238
BASE SUPPLY ADMINISTRATION	SM	2,198	2,240	(4,924)
BASE SUPPLY/EQUIPMENT WAREHOUSE	SM	1,500	1,543	(2,315)
SUPPORTING FACILITIES				3,272
UTILITIES	LS			(276)
PAVEMENTS	LS			(500)
SITE IMPROVEMENTS	LS			(190)
DEMOLITION	SM	2,438	197	(480)
COMMUNICATIONS	LS			(492)
ANTITERRORISM FORCE PROTECTION	LS			(1,334)
SUBTOTAL				10,510
CONTINGENCY ( 5.0%)				526
TOTAL CONTRACT COST				11,036
SUPERVISION, INSPECTION & OVERHEAD ( 2.5 %)				276
TOTAL REQUEST				11,312
TOTAL REQUEST (ROUNDED)				11,300
<b>FCF Budget Rate used: United Kingdom Pound 0.7144</b>				
<p>10. Description of Proposed Construction: Concrete slab and footings, masonry block walls, brick facing, and sloped metal roof. Includes all utilities, fire protection, communication, parking, and site improvements. Antiterrorism/force protection will comply with DoD interim standard force protection measures. Demolish five facilities (2,438 SM).</p>				
<p>11. REQUIREMENT: 16,675 SM ADEQUATE: 11,091 SM SUBSTANDARD: 2,438 SM</p> <p>PROJECT: Construct a supply material control facility. (Current Mission)</p> <p>REQUIREMENT: A material control complex will consolidate and relocate equipment and personnel from undersized and dispersed Quonset huts and other unsuitable facilities into a functional and adequately sized structure to support the mission of a three-squadron fighter wing base. A supply administrative facility is required to house the squadron command section, weapons system support flight, asset management flight and other functional areas, including space for a supply computer room, training/audiovisual room and telecommunications room. A warehouse with adequate fire detection and suppression systems is needed to support a base supply and mobility storage requirement. The complex will provide one-stop shopping for supply customers, allowing retail sales to be located with administrative functions. Antiterrorism force protection measures to comply with the assessed threat level.</p> <p>CURRENT SITUATION: The supply squadron command and general administrative functions operate out of a Quonset hut facility constructed in 1943. This facility is inadequate to house necessary administrative functions. The mechanical systems are obsolete and need replacement. The facility has been upgraded over the years but is past its economic life cycle. It is cost prohibitive to upgrade this facility due to its age and type of construction. Newcomers are required to visit at least three supply facilities to accomplish their inprocessing and individual equipment issue actions.</p> <p>IMPACT IF NOT PROVIDED:</p>				

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION RAF LAKENHEATH, UNITED KINGDOM		4. PROJECT TITLE REPLACE SUPPLY MATERIAL CONTROL	
5. PROGRAM ELEMENT 22176	6. CATEGORY CODE 61 O-1 22	7. PROJECT NUMBER MSET923006	8. PROJECT COST (\$000) 11,300
<p>The Supply Squadron command and administrative operations will be degraded and less efficient due to inadequate and aging facilities. Improvements in customer service and warehousing/retail operations will not be possible. Maintenance and repair costs will continue to be high due to the excessive amounts of work required to keep the facilities usable.</p> <p><b>ADDITIONAL:</b> This project meets the criteria/scope specified in the Air Force Handbook 32-1084, "Facility Requirements." Although this project is not currently eligible for NATO funding, a precautionary prefinancing statement will be filed to allow for future recoupment should eligibility be established. Based on net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the facility. Base Civil Engineer: Lt Col Andy Scrafford, 011-44-1 638-52-2100. Base Supply Administration: 2,198 SM = 23,650 SF; Base Supply and Equipment Warehouse: 1,500 SM = 16,140 SF. Design Build - Design Cost (4% of Subtotal Cost): \$420,400.</p>			

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
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3. INSTALLATION AND LOCATION

RAF LAKENHEATH. UNITED KINGDOM

4. PROJECT TITLE

REPLACE SUPPLY MATERIAL CONTROL

5. PROJECT NUMBER

MSET923006

12. SUPPLEMENTAL DATA:

**Design Build**

a. Estimated Design Data:

- (1) Project to be accomplished by design-build procedures
- (2) Basis:
  - (a) Standard of Definitive Design - NO
  - (b) Where Design Was Most Recently Used -
- (3) Design Allowance 452
- (4) Construction Contract Award Date 02 Jun
- (5) Construction Start 02 Aug
- (6) Construction Completion 04 Dec
- (7) Energy Study/Life-Cycle analysis was/will be performed YES

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

1. COMPONENT AIR FORCE	<b>FY2002 MILITARY CONSTRUCTION PROGRAM (computer generated)</b>							2. DATE			
3. INSTALLATION AND LOCATION RAF MILDENHALL, UNITED KINGDOM				4. COMMAND UNITED STATES AIR FORCES IN EUROPE				5. AREA CONST COST INDEX 1.44			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL	
	OFF	FNL	CIV	OFF	FNI	CIV	OFF	FNI	CIV		
a. As of 30 Sep 00	422	3,478	830				172	380	70	5,352	
b. End FY 2005	396	3,423	812				172	380	70	5,253	
7. INVENTORY DATA (\$1000)											
a. Total Acreage 1,121											
b. Inventory Totals as of: 30 Sep 00 173,033											
c. Authorization Not Yet In Inventory: 39,363											
d. Authorization Requested In this Program: 22,400											
e. Authorization Included In Following Program: (FY2003) 0											
f. Planned in Next Four Program Years: 28,434											
a. Remainina Deficiency: <u>107,178</u>											
h. Grand Total: 370,408											
8. Projects Requested in this Program: FY2002											
CATEGORY				SCOPE			COST		DESIGN		STATUS
CODE	PROJECT TITLE			SCOPE			\$(000)	START	CMP		
218-852	Avionics/Maintenance Complex Phase II			4,869 SM			\$10,800	TURN KEY			
740-674	Fitness Center			5,123 SM			\$11,600	TURN KEY			
							Total	\$22,400			
9a. Future Projects: Included in the Following Program: ( FY2003) No Projects											
9b. Future Projects: Typically Planned Next Four Years											
214-425	Special Purpose Vehicle Maint Complex			975 SM			\$3,050				
610-122	Consolidated Readiness Center			2,379 SM			\$6,199				
721-312	Dormitory			144 RM			\$12,635				
730-443	Post Office			1,042 SM			\$3,250				
740-884	Child Development Center Annex			1,160 SM			\$3,300				
9c. Real Property Maintenance Backlog This Installation										91	
10. Mission or Major Functions: A host air refueling wing supporting a KC-1 35 squadron and the European Tanker Task Force; headquarters Third Air Force; a special operations group flying MC-130H/P and MH-53M aircraft; a reconnaissance squadron: an intelligence sauadron; and an air mobility support 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	



1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION RAF MILDENHALL, UNITED KINGDOM			4. PROJECT TITLE AVIONICS MAINTENANCE COMPLEX PHASE II	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 218-852	7. PROJECT NUMBER QFQE973002	8. PROJECT COST (\$000) 10,800	
9. COST ESTIMATES				
ITEM	UIM	QUANTITY	UNIT COST	COST (\$000)
AVIONIC/MAINTENANCE COMPLEX, PHASE 2	SM	4,869	2,028	8,757
AVIONICS	SM	669	2,138	(1,430)
MAINTENANCE FACILITY	SM	4,200	1,734	(7,283)
ANTI-TERRORISM FORCE PROTECTION	LS			(44)
SUPPORTING FACILITIES				1,285
UTILITIES	LS			(325)
PAVEMENTS	LS			(195)
SITE IMPROVEMENTS	LS			(765)
SUBTOTAL				10,042
CONTINGENCY ( 5.0%)				502
TOTAL CONTRACT COST				10,544
SUPERVISION, INSPECTION & OVERHEAD ( 2.5 %)				264
TOTAL REQUEST				10,808
TOTAL REQUEST (ROUNDED)				10,800
<b>FCF Budget Rate used: United Kingdom Pound 0.7144</b>				
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, steel frame structure, exterior clad in masonry and metal siding, and insulated single pitched roof. Includes oil fired heating system, communications, fire protection, force protection, utilities, site improvements, pavements, all other necessary support.				
11. REQUIREMENT: 7,312 SM ADEQUATE: 2,443 SM SUBSTANDARD: SM				
<u>PROJECT:</u> Avionics/maintenance complex, PhII. (Current Mission)				
<u>REQUIREMENT:</u> An adequately sized facility is required to perform maintenance on large-framed aircraft and to conduct avionics component repair. This is the second and last phase to consolidate all aircraft and avionics maintenance functions in a single facility.				
<u>CURRENT SITUATION:</u> The avionics maintenance and repair is currently conducted in a substandard and undersized facility. Maintenance of the aircraft is currently performed in a hangar used for aircraft washes.				
<u>IMPACT IF NOT PROVIDED:</u> Continued use of existing substandard and undersized facilities severely impacts aircraft mission capability.				
<u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook, 32-I 084, "Facility Requirements." This project is not eligible for NATO funding, but a precautionary <b>prefinancing</b> statement will be submitted to NATO in the event that future <b>eligibility</b> is established. A preliminary analysis of reasonable options was done. Only one option meets operational requirements. Therefore, a full economic analysis was not accomplished. A certificate of exception has been prepared. Force protection measures are considered IAW USAF Installation Force Protection Guide. Base Civil Engineer: Lt Col York Thorpe, 011-44-I 638-542205. Avionics: 669 SM = 7,198 SF. Maintenance: 4,200 SM = 45,192 SF. This project supports mission, readiness, or force protection issues throughout the region. Design Build - Design cost (4% of sub-total cost): \$486,000				

1. COMPONENT <b>AIR FORCE</b>	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION RAF MILDENHALL, UNITED KINGDOM		4. PROJECT TITLE AVIONICS MAINTENANCE COMPLEX PHASE II	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 218-852	7. PROJECT NUMBER QFQE973002	8. PROJECT COST (\$000) 10,800

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION RAF MILDENHALL, UNITED KINGDOM		
4. PROJECT TITLE AVIONICS MAINTENANCE COMPLEX PHASE II		5. PROJECT NUMBER QFQE973002
<p><b>12 SUPPLEMENTAL DATA: Design Build</b></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 of Definitive Design - NO</p> <p>(b) Where Design Was Most Recently Used -</p> <p>(3) Design Allowance</p> <p>(4) Construction Contract Award Date 01 Dec</p> <p>(5) Construction Start 02 Feb</p> <p>(6) Construction Completion 04 May</p> <p>(7) Energy Study/Life-Cycle analysis was/will be performed YES</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p>		

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION RAF MILDENHALL, UNITED KINGDOM	4.	PROJECT TITLE FITNESS CENTER		
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 740-674	7. PROJECT NUMBER QFQE023006	8. PROJECT COST (\$000) 11,600	
9. COST ESTIMATES				
ITEM	J/M	QUANTITY	UNIT COST	COST (\$000)
FITNESS CENTER	LS			9,674
PHYSICAL FITNESS CENTER	SM	5,123	1,879	(9,626)
ANTITERRORISM FORCE PROTECTION	LS			(48)
SUPPORTING FACILITIES				1,110
UTILITIES	LS			(300)
PAVEMENTS	LS			(400)
SITE IMPROVEMENTS	LS			(410)
SUBTOTAL				10,784
CONTINGENCY ( 5.0%)				539
TOTAL CONTRACT COST				11,323
SUPERVISION, INSPECTION & OVERHEAD ( 2.5 %)				283
TOTAL REQUEST				11,606
TOTAL REQUEST (ROUNDED)				11,600
<b>FCF Budget Rate used: United Kingdom Pound 0.7144</b>				
10. Description of Proposed Construction: Fitness center consisting of a lobby, administration, support, locker rooms, gymnasium, group exercise, fitness equipment spaces, raquetball courts, and a Health and Wellness Center (HAWC). Includes site work, reinforced concrete foundation, steel structure, masonry exterior walls, roof system, fire protection, and all utilities. Antiterrorism/force protection to meet the local threat.				
11. REQUIREMENT: 7,972 SM ADEQUATE: 2,707 SM SUBSTANDARD: 532 SM				
<u>JROJECT:</u> Construct a fitness center. (Current Mission)				
<u>REQUIREMENT:</u> An adequately sized facility to conduct comprehensive and balanced programs for physical fitness are required. Programs to be supported include aerobics, health and nutritional training, and indoor recreational athletic programs. Antiterrorism force protection measures to comply with local threat assessments.				
<u>CURRENT SITUATION:</u> The existing fitness center is too small to adequately meet the requirements of a base with the population of RAF Mildenhall. A fitness center facility assessment completed in 1999 indicated that a new 5,123 SM facility will meet the needs of the installation. Crowded conditions at the existing facility wastes time for personnel who must wait for exercise equipment to become free for use. These conditions discourage potential new customers who are not physically fit. The size and limited services available restricts the range of programs and activities which can be supported.				
<u>IMPACT IF NOT PROVIDED:</u> Failure to provide a suitably sized fitness center will continue to degrade the base population's ability to meet both local and Air Force-wide wellness program directives. Lack of adequate facilities will negatively impact quality of life and morale throughout the community. Forced higher than normal fitness center use will accelerate facility deterioration. Personnel on the opposite side of the base from the fitness center will continue to lose valuable exercise time due to excessive travel distances. The resultant effect is continued negative physical and emotional well being of both military and civilian personnel.				
<u>ADDITIONAL:</u> This project meets the scope/criteria in the USAF Fitness Facilities Design Guide, October 1999. This project is not eligible for NATO funding. The fitness center assessment determined that new construction was the only means of meeting installation requirements. A certificate of exception has been prepared. Civil Engineer: Lt Col York Thorpe, 011-44-1 638-542205 DSN: 238-2205. Fitness Center: 5,123 SM =				

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION RAF MILDENHALL, UNITED KINGDOM		4. PROJECT TITLE FITNESS CENTER	
5. PROGRAM ELEMENT 27596	6. CATEGORY CODE 740-674	7. PROJECT NUMBER QFQE023006	8. PROJECT COST (\$000) 11,600
55,144 SF Design Build - Design Cost (4% of Sub-total cost): \$492,000			

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE				
3. INSTALLATION AND LOCATION RAF MILDENHALL, UNITED KINGDOM						
4. PROJECT TITLE FITNESS CENTER		5. PROJECT NUMBER QFQE023006				
<p>12. SUPPLEMENTAL DATA: <span style="float: right;"><b>Design Build</b></span></p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by design-build procedures</p> <p>(2) Basis:</p> <table style="width: 100%; border: none;"> <tr> <td style="padding-left: 20px;">(a) Standard of 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></td> </tr> </table> <p>(3) Design Allowance <span style="float: right;">464</span></p> <p>(4) Construction Contract Award Date <span style="float: right;">01 Dec</span></p> <p>(5) Construction Start <span style="float: right;">02 Mar</span></p> <p>(6) Construction Completion <span style="float: right;">04 Jun</span></p> <p>(7) Energy Study/Life-Cycle analysis was/will be performed <span style="float: right;">YES</span></p> <p>b. Equipment associated with this project will be provided from other appropriations: <span style="margin-left: 40px;"><b>N/A</b></span></p>			(a) Standard of Definitive Design -	NO	(b) Where Design Was Most Recently Used -	
(a) Standard of Definitive Design -	NO					
(b) Where Design Was Most Recently Used -						

1. COMPONENT AIR FORCE	<b>FY2002 MILITARY CONSTRUCTION PROGRAM (computer generated)</b>							2. DATE		
3. INSTALLATION AND LOCATION WAKE ISLAND AIRFIELD,				4. COMMAND PACIFIC AIR FORCES				5. AREA CONST COST INDEX 1.99		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	FNI	CIV	OFF	ENL	CIV	OFF	FNI	CIV	
a. As of 30 Sep 00										0
b. End FY <b>2005</b>										<b>0</b>
7. INVENTORY DATA \$(000)										
a. Total Acreage	<b>2,600</b>									
b. Inventory Totals as of: 30 Sep 00										29.024
c. Authorization Not Yet In Inventory:										0
d. Authorization Requested In this Program:										<b>25,000</b>
e. Authorization Included In Following Program: (FY2003)										0
f. Planned in Next Four Program Years:										0
g. Remainina Deficiencv:										<u>105,000</u>
h. Grand Total:										159,024
8. Projects Requested in this Program: FY2002										
CATEGORY						COST	DESIGN	STATUS		
CODE	PROJECT TITLE	SCOPE		\$ (000)		START	CMP			
111-111	Repair Airfield Pavement, Ph 1	221,700	SM	<b>\$25,000</b>	Jun 01	Apr 02				
						Total	\$25,000			
9a. Future Projects: Included in the Following Program: ( FY2003) No Projects										
9b. Future Projects: Typically Planned Next Four Years No Projects										
9c. Real Property Maintenance Backlog This Installation 0										
10. Mission or Major Functions: A Pacific Air Forces installation providing support to Ballistic Missile Defense Organization test operations and contingencv enroute support to deplovina units.										
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

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION WAKE ISLAND	AND	LOCATION	4. PROJECT TITLE REPAIR AIRFIELD PAVEMENT, PH 1	
5. PROGRAM ELEMENT 22176	6. CATEGORY CODE 111-111	7. PROJECT NUMBER YGFZ953010	8. PROJECT COST (\$000) 25,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
REPAIR RUNWAY/ISLAND ACCESS	LS			20,684
REPLACE ASPHALT RUNWAY/SHOULDER PAVEMENT	SM	184,900	74	(13,683)
REPAIR WHARF/MARINE BULKHEAD	SM	168	20,101	(3,377)
REPAIR CAUSEWAY	SM	195	15,969	(3,114)
REPLACE BLDG 1705	SM	149	3,427	(511)
SUPPORTING FACILITIES				1,800
UTILITIES	LS			(250)
PAVEMENTS	LS			(100)
SITE IMPROVEMENTS	LS			(50)
DEMOLITION/OFF-ISLAND DEBRIS DISPOSAL	LS			(1,400)
SUBTOTAL				22,484
CONTINGENCY ( 5.0%)				1,124
TOTAL CONTRACT COST				23,608
SUPERVISION, INSPECTION & OVERHEAD ( 6.5 %)				1,535
TOTAL REQUEST				25,143
TOTAL REQUEST (ROUNDED)				25,000
<p>10. Description of Proposed Construction: Remove runway pavement and replace with 5" thick asphalt pavement. Repair/recompact primed base course before resurfacing and restriping. Repair wharf, marine bulkhead, causeway with sheet piles, walers, tie-back rods, cathodic protection system and concrete encasement. All needed supporting utilities/facilities for a complete and usable facility. Replaces 1 facility and off-island debris disposal.</p>				
<p>11. REQUIREMENT: LS ADEQUATE: LS SUBSTANDARD: LS</p> <p><b>PROJECT:</b> Repair main runway pavement and wharf, marine bulkhead and causeway. (Current Mission)</p> <p><b>REQUIREMENT:</b> Adequate runway pavement free from foreign-object-damage (FOD) risk to aircraft is required to support safe landings and takeoffs, and operation of fighter and transport aircraft at this southern enroute base. A functional wharf is required to logistically support initial and continuing infrastructure and facility repairs, and to support island operations. Aged marine repair facility in way of repairs must be relocated.</p> <p><b>CURRENT SITUATION:</b> The entire runway surface shows significant block cracking. Major alligator cracking and rutting occur in the inner pavement. FOD is highly possible. An existing patch located 3000' from Runway 28 and has settled into a pronounced "dip" and poses a significant safety hazard to aircraft. The wharf sheet piling from the year 1947 is 90-100 percent rusted through, exposing the soil behind to wave action. Soil is washing out, already causing the asphalt surface to collapse under the weight of the off-loading crane in one area. The adders and boat tie-offs are failing due to constant use by the tugboats.</p> <p><b>IMPACT IF NOT PROVIDED:</b> Aircraft safety is severely jeopardized and FOD will be an increasing safety problem. Without immediate attention, the runway will continue to deteriorate to the point of complete failure and not be able to support future aircraft operations. Without immediate attention, the wharf will fail to support port operations. The island will receive no supplies and future operations and infrastructure repairs will be impossible.</p>				



1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION WAKE ISLAND		4. PROJECT TITLE REPAIR AIRFIELD PAVEMENT, PH 1	
5. PROGRAM ELEMENT 22176	6. CATEGORY CODE 111-111	7. PROJECT NUMBER YGFZ953010	8. PROJECT COST (\$000) 25,000
<p><b>ADDITIONAL:</b> 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 proejct. No other option meets the mission requirement; therefore, no economic analysis was needed or performed. A certificate of exemption has been prepared. This is the first phase of a multi-phase initiative totaling over <b>\$100M</b> to restore essential island infrastructure and facilities to a safe operational condition to support <b>enroute</b> missions. <b>Antiterrorism/force</b> protection features will be in accordance with local threat assessment. <b>BASE CIVIL ENGINEER:</b> Lt Col Eide, (671) 366-7101. Repair Runway Pavement: 184,900 SM = <b>1,989,524 SF</b> and Island Access LS.</p>			

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE																										
3. INSTALLATION AND LOCATION NAKE ISLAND																												
4. PROJECT TITLE REPAIR AIRFIELD PAVEMENT, PH 1		5. PROJECT NUMBER YGFZ953010																										
<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="width: 80%;">(a) Date Design Started</td> <td style="text-align: right;">29-Jun-01</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td style="text-align: right;">YES</td> </tr> <tr> <td>(c) Percent Complete as of Jan 01</td> <td style="text-align: right;">1 %</td> </tr> <tr> <td>(d) Date 35% Designed.</td> <td style="text-align: right;">08-Oct-01</td> </tr> <tr> <td>(e) Date Design Complete</td> <td style="text-align: right;">28-Apr-02</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td style="text-align: right;">NO</td> </tr> </table> <p>(2) Basis:</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 80%;">(a) Standard of Definitive Design -</td> <td style="text-align: right;">NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td></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="width: 80%;">(a) Production of Plans and Specifications</td> <td style="text-align: right;">1,500</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td style="text-align: right;"><b>750</b></td> </tr> <tr> <td>(c) Total</td> <td style="text-align: right;"><b>2,250</b></td> </tr> <tr> <td>(d) Contract</td> <td style="text-align: right;">1,875</td> </tr> <tr> <td>(e) In-house</td> <td style="text-align: right;"><b>375</b></td> </tr> </table> <p>(4) Construction Contract Award Date <span style="float: right;"><b>02 Aug</b></span></p> <p>(5) Construction Start <span style="float: right;"><b>02 Sep</b></span></p> <p>(6) Construction Completion <span style="float: right;"><b>04 Oct</b></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: <span style="float: right;"><b>N/A</b></span></p>			(a) Date Design Started	29-Jun-01	(b) Parametric Cost Estimates used to develop costs	YES	(c) Percent Complete as of Jan 01	1 %	(d) Date 35% Designed.	08-Oct-01	(e) Date Design Complete	28-Apr-02	(f) Energy Study/Life-Cycle analysis was/will be performed	NO	(a) Standard of Definitive Design -	NO	(b) Where Design Was Most Recently Used -		(a) Production of Plans and Specifications	1,500	(b) All Other Design Costs	<b>750</b>	(c) Total	<b>2,250</b>	(d) Contract	1,875	(e) In-house	<b>375</b>
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## Planning and Design

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1. COMPONENT AIR FORCE	<b>FY2002 MILITARY CONSTRUCTION PROGRAM (computer generated)</b>							2. DATE		
3. INSTALLATION AND LOCATION HQ USAF, VARIOUS LOCATIONS				4. COMMAND				5. AREA CONST COST INDEX 1		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 Sep 00										0
b. End FY 2005										0
7. INVENTORY DATA \$(000)										
a. Total Acreage										
b. Inventory Totals as of: 30 Sep 00										
c. Authorization Not Yet In Inventory:										
d. Authorization Requested In this Program:										
e. Authorization Included In Following Program: (FY2003)										
f. Planned in Next Four Program Years:										
g. Remaining Deficiency:										
h. Grand Total:										
8. Projects Requested in this Program: FY2002										
CATEGORY		PROJECT TITLE		SCOPE		COST \$(000)		DESIGN STATUS		CMP
010-211	Planning & Design				LS	\$79,130	TURN KEY			
010-211	Unspecified Minor Construction					\$11,250	TURN KEY			
						Total	\$90,380			
9a. Future Projects: Included in the Following Program: (FY2003)										
010-211	Planning & Design					\$38,716				
010-211	Unspecified Minor Construction					\$11,500				
						Total	\$50,216			
9b. Future Projects: Typically Planned Next Four Years										
010-211	Planning & Design				LS	\$38,504				
010-211	Unspecified Minor Construction				LS	\$11,500				
010-211	Planning & Design				LS	\$56,208				
010-211	Unspecified Minor Construction				LS	\$11,500				
010-211	Planning & Design				LS	\$56,878				
010-211	Unspecified Minor Construction				LS	\$11,500				
010-211	Planning & Design				LS	\$57,193				
010-211	Unspecified Minor Construction				LS	\$11,500				
9c. Real Property Maintenance Backlog This Installation										
0										
II. Outstanding pollution and safety (OSHA) deficiencies:										
a. Air pollution										
b. Water pollution										
c. Occupational Safety and Health										
d. Other Environmental										

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION AND LOCATION HQ USAF, UNKNOWN		4. PROJECT TITLE PLANNING AND DESIGN			
5. PROGRAM ELEMENT 91211	6. CATEGORY CODE 010-211	7. PROJECT NUMBER PAYZ020001	8. PROJECT COST (\$000) 79,130		
9. COST ESTIMATES					
ITEM		JIM	QUANTITY	UNIT COST	COST (\$000)
PLANNING AND DESIGN		LS			79,130
SUBTOTAL					79,130
TOTAL CONTRACT COST					79,130
TOTAL REQUEST					79,130
TOTAL REQUEST (ROUNDED)					79,130
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: LS ADEQUATE: LS SUBSTANDARD: LS					
REQUIREMENT: These planning and design funds are required to complete the design of facilities in the FY03 Military Construction Program, initiate design of facilities in the FY04 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.					

Unspecified Minor Construction

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1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION AND LOCATION HQ USAF, UNKNOWN		4. PROJECT TITLE UNSPECIFIED MINOR CONSTRUCTION		
5. PROGRAM ELEMENT 91211	6. CATEGORY CODE 010-211	7. PROJECT NUMBER PAYZ020002	8. PROJECT COST (\$000) 11,250	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
JNSPECIFIED MINOR CONSTRUCTION	LS			11,250
SUBTOTAL				11,250
TOTAL CONTRACT COST				11,250
TOTAL REQUEST				11,250
TOTAL REQUEST (ROUNDED)				11,250
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: LS ADEQUATE: LS SUBSTANDARD: LS				
<p>REQUIREMENT: Minor construction projects authorized by 10 U. S. Code 2805 are military construction projects with an estimated funded cost between \$500,000 and \$1,500,000; however, projects with an estimated funded cost of \$1,000,000 to \$3,000,000 may be funded under this authority when specifically planned to correct a life, health or safety deficiency. This package provides a means of accomplishing urgent projects that are not identified but which are anticipated to arise during FY02. 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 FY03 Military Construction Program funds.</p>				

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