

Department of the Air Force

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. COMPONE AIR FORCE	ENT E	FY20	002	MILITA (compu	RY CONS	TRUCTIC ated)	ON PRO	OGRAM		2. DATE	E
3. INSTALLAT		ND LOC	ATION		4. COMM	IAND				5. AREA	CONST
RAMSTEIN AIR BASE, GERMANYUNITED STATES AIR FORCES IN EUROPECOST INE 1.45							INDEX 1.45				
6. PERSONN	FI	PER	MANENT	-		STUDE	NTS		SUPP	ORTED	
STRENGTH		OFF	FNL	CIV	OFF	FNI	CIV	OFF	FNI	CIV	TOTAL
a. As of 30 Se	ep 00	1,261	6,565	2,780				1,58	4 1,250	265	13,705
b. End FY	End FY 2005 1.269 6.686 2.735								265	13.789	
7. INVENTORY DATA \$(000)								4	-,		
a. Total Acreage 3,102											
b Inventory T	iye otale a	e of: 30 9	3,102 Sen 00	-						074 554	
c Authorizatio	n Not Y	et In Inv	ventory.							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: 135.502											
h. Grand Total: 644,150											
3. Projects Requested in this Program: FY2002											
CATEGORY									COST	DESIGN	STATUS
CODE	PRO	JECT TI	TLE	_		SC	OPE	_	\$(000)	START	СМР
141-454 C	Consolio Squadro	date 1st on Comp	Complex Ph I						Jun 01	Apr 02	
141-782 F	reight	Terminal	minal & Defense Courier Service 9,376 SM \$9,400					MAY 00	DEC 01		
721-312 [Dormito	ry	120 RM \$11,000					MAR 00	AUG 01		
812-223 L	Jpgrade	e Utility I	Jtility Infrastructure 1 LS \$2,900					MAY 00	DEC 01		
851-147 5	1-147 Strategic Lift Area Expansion 1 LS \$4,600					MAY 00	DEC 01				
								Total	\$42,900		
9a. Future Proj	jects: Ir	ncluded in	n the Foll	lowing P	rogram: (F	-Y2003)					
141-784 F	assen	ger Term	inal Anne	ex			525	SM	\$16,700		
141-785 C	Combine	ed Fleet	Service/fl	light Kitc	hen		3,114	SM	\$7,200		
740-873 F	Ramste	in Infrast	ructure Ir	nprovem	ents		1	LS	\$6,750		
								Total	\$30,650		
9b. Future Proi	ects: Tv	vpicallv F	Planned N	lext Fou	r Years						
214-425 V	/ehicle	Maintena	ance Fac	ility, Phl			2,450	SM	\$7,300		
721-312 E	Dormito	ry					96	RM	\$11,321		
721-312 D	Dormito	ry					96	RM	\$13,551		
740-674 F	- itness	Center					5,356	SM	\$13,900		
851-147 N	North Ea	ast Road					13,500	SM	\$7,810		
9c. Real Prope	erty Mai	ntenance	e Backloo	This Ins	stallation					102	
10. Mission or	Major I	Function	s: A host	airlift wi	ng support	ing a C-1	30E so	uadron,	a C-9A sq	uadron and	a
squadron comp	osed o	of C-20A,	and C-2	1 A aircra	ift; Headqu	iarters, U	nited S	states Air	Forces in	Europe and	t I
11 Outstanding		ion and a	s Central	Europe.	iciencios:						
a, Air nollut	y poilut tion	ION AND S			iciencies:					~	
h Water a	allution									U	
										0	
c. Occupati	ional Sa	arety and	I Health							0	
d. Other Er	nvironm	ental								0	

1. COMPONENT		FY 2002 MILITARY CONSTI	RUCTION I	PROJECT DAT	FA 2	2. DATE	
AIR FORCE	AIR FORCE (computer generated)						
3. INSTALLATION	AND LOC	CATION	4. PROJ	JECT TITLE			
RAMSTEIN AIR BAS	SE, GERN	IANY FED REP OF	CONSOL SQUADF	LIDATED 1 ST RON COMPLE	COMBAT C	OMMUNICATIONS	
5. PROGRAM ELEI	MENT	6. CATEGORY CODE 7.	PROJECT	NUMBER	8. PROJECT	COST (\$000)	
22176		141-454	TYFR023	046		15.000	
		9. COST ES	STIMATES				
	ľ	ТҒМ	U/M	QUANTITY	COST	(\$000)	
COMBAT COMMUN		S SQUADRON COMPLEX	LS			8,552	
SPECIAL OPERA	TIONS		SM	1,486	2,274	(3,379	
VEHICLE MAINT	ENANCE		SM	557	2,366	(1,318	
COMMUNICATIO	NS MAIN	TENANCE FACILITY	SM	1,586	2,254	(3,575	
ANTI-TERRORISM	//FORCE	PROTECTION	LS			(280	
SUPPORTING FAC	ILITIES					4,983	
UTILITIES			LS			(1,189	
SITE IMPROVEM	ENTS		LS			(644	
PAVEMENTS/PAR	RKING OF	PS	LS			(3,150	
SUBTOTAL						13,535	
CONTINGENCY (5.0%)					677	
FOTAL CONTRACT	COST					14,212	
SUPERVISION, INS	PECTION	I &OVERHEAD (6.5 %)				924	
FOTAL REQUEST						15,135	
FOTAL REQUEST	(ROUNDEI	D)				15,000	
CF Budget Rate u	sed: Euro	opean Community Euro 1.1	96				
0. Description of P nodular constructed avements, force pro necesary support.	roposed C walls and otection, a	Construction: Multi-story conc I sloped roof system. Include ccess roads including surrou	rete with c es elevator, nding fence	oncrete founda oil-water sepa e and area ligh	ation, floor sla arator, utilities, iting system a	b, masonry or site work, nd all other	
II. REQUIREMENT	: 10,729	SM ADEQUATE: SM SUB	STANDAR	D: 9,135 SM			
'ROJECT: Constru	ct a comb	at communications squadron	o complex (Current Missio	n).		
REQUIREMENT: Provide rapid deploy: Aiddle East. The un Jnited States Europ Ind military operation	<u>SEQUIREMENT</u>: Properly sized and configured administrative, operations, and maintenance facilities to provide rapid deployable communications and air traffic control services throughout Europe, Africa, and the Aiddle East. The unit supports the United Nations, Joint Chiefs of Staff, North Atlantic Treaty Organization, Jnited States European Command, Department of State, and US/coalition task forces during wartime, exercises, und military operations other than war as directed by United States Air Forces in Europe.						
CURRENT SITUATION Id flight operations I equirements. Existi Yarking location restricted traffic part hase of the Ramster ptimize tactical and	<u>ON:</u> Exist building ar ng facilitie ricts the al tterns and ein Area D strategic	ting squadron is currently sca nd ten hardened aircraft shelt s were meant to be temporal bility to rapidly assemble and roads. Relocation and replac vevelopment Plan which outlin airlift operations at Ramstein	attered throu ers, and ar ry so no ma transfer as cement of t nes facility Air Base.	ughout eleven re not adequate ajor improveme ssets to the Ra these facilities construction re	facilities, whic e to meet mis ents have bee mstein AB flig is identified fo equirements no	ch consist of an sion n made. Jotline due to or the first ecessary to	
WPACT IF NOT PR SS than optimum op Command, it is impe ossible. This will all ontrol, and commun	OVIDED: perating corrative that ow the Corrications for	Combat Communications Sq onditions. As the most heavil these facilities and associate ommunication Squadron to in or the war-fighter within mand	uadron ope y tasked co ed acreage prove their atory react	erations will con ommunication of be made avail r ability to prov ion response ti	ntinue to be hi unit in the US lable to the ur vide crucial co mes.	indered due to European hit as soon as mmand,	

1. COMPONENT	FY 2002 MILITARY CONSTRU	2. DATE	
AIR FORCE	(computer g		
3. INSTALLATION	AND LOCATION	4. PROJECT TITLE	
RAMSTEIN AIR BA	OMBAT COMMUNICATION! PH 1		
5. PROGRAM ELE	MENT 6. CATEGORY CODE 7. F	PROJECT NUMBER 8.	PROJECT COST (\$000)
22176	141-454	TYFR023046	15,000
ADDITIONAL: 1	This project meets the criteria/scope spec	cified in Air Force Handbo	ok 32-1084, "Facility

Requirements." Although this project meets the cinema/scope specified in Air Force Franciscov 92-1004, Facility iRequirements." Although this project is not eligible for NATO funding, a precautionary prefinance statement will ISe filed to allow for future recoupment should eligibility be established. Force protection measures are considered IIAW 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.

1. COMPONENT	FY 2002 MILITARY CONSTRUCTION PROJECT DATA		2. DATE				
AIR FORCE	(computer generated)						
3. INSTALLATION AND LOCATION							
RAMSTEIN AIR BASE, GERMANY FED REP OF							
I. PROJECT TITLE	5. PR	OJECT NUMBER					
CONSOLIDATED 1	ST COMBAT COMMUNICATIONS SQUADRON COMPLEX PH1	Т	YFR023046				
12. SUPPLEMEN	NTAL DATA: Desig	gn, Bio	d, Build				
a. Estimated	I Design Data:						
(1) Status	:						
(a) Da	te Design Started		25-Jun-01				
(b) Pa	rametric Cost Estimates used to develop costs		YES				
* (c) Pe	rcent Complete as of Jan 01		1 %				
• (d) Da	te 35% Designed.		08-Oct-01				
(e) Da	te Design Complete		28-Apr-02				
(f) Ene	ergy Study/Life-Cycle analysis was/will be performed		YES				
(2) Basis:							
(a) Sta	andard of Definitive Design -		NO				
(b) Wh	ere Design Was Most Recently Used -						
(3) Total C	Cost (c) = (a) + (b) or(d) + (e):		(\$000)				
(a) Pro	oduction of Plans and Specifications		900				
(b) All	Other Design Costs		450				
(c) Tot	tal		1,350				
(d) Co	ntract		1,125				
(e) In-	house		225				
(4) Constru	uction Contract Award Date		02 Jun				
(5) Constru	uction Start		02 Aug				
(6) Constru	uction Completion		04 Jan				
* Indicates which is co cost and ex	completion of Project Definition with Parametric Cost Estimate mparable to traditional 35% design to ensure valid scope and kecutability.	;					
b. Equipment ass appropriations:	ociated with this project will be provided from other N/A						

1							
1. COMPONENT	1. COMPONENT FY 2002 MILITARY CONSTRUCTION PROJECT DATA 2. DATE						
AIR FORCE (computer generated)							
3. INSTALLATION	AND LOO	CATION	4.	PROJ	IECT TITLE		
RAMSTEIN AIR BA	SE, GERN	MANY FED REP OF	D	ORMIT	TORY		
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7. PRO	JECT	NUMBER	8. PROJEC	CT COST (\$000)
27596		721-312	ТҮ	FR003	006		11 000
		9. COS	T ESTIM	ATES			11,000
	I	TEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (120	RM)			IS			7 968
DORMITORY	,			SM	3.960	2.00	2 (7.928)
ANTI-TERRORIS	M/FORCE	PROTECTION		LS	-,	_,	(1,020)
SUPPORTING FAC	ILITIES						1 889
UTILITIES				LS			(680)
PAVEMENTS				LS			0
SITE IMPROVEM	IENTS			LS			(489)
PARKING AND I	PAVEMEN	TS		LS			(720)
SUBTOTAL							9,857
CONTINGENCY (5.0%)						493
TOTAL CONTRACT	COST						10,350
SUPERVISION, INS	SPECTION	& OVERHEAD (6.5 %))				673
TOTAL REQUEST							11,023
TOTAL REQUEST	(ROUNDE	D)					11,000
		·····	4 400				
10 Description of C			1.196		rainforced ear	noroto founda	ation and floor
slabs, masonry wall	s, roof sys	stem. Includes room-bath	-room m	odules	, laundries, st	orage and lo	unge areas, site
mprovement, fire pr	rotection a	nd noise attenuation. Inc	ludes all	utilitie	es, communica	ations, parkin	g, and necessary
Support. Antiterions		Grade Mix: 120 EI-E4	4.		iignest tineat		
	T· 1 056			BGTV			
	1. 1,900	rmitory 120 DN (Current	Mission))	NDAND. NW		
PROJECT. Construct			IVIISSIUTI)			
CONTREMENT: Conducive to their re Some degree of indi	A major A est, relaxat vidual priv	ir Force objective provide tion, and personal well-be acy are essential to the s	es unacce eing. Pro successfu	ompar perly o ul acco	nied enlisted p designed and omplishment c	ersonnel with furnished qua of the increas	housing arters providing ingly complicated
obs these people in posture and continu nust be constructed accordance with the	ing world-\ to deter to Air Force	wide presence. As an over errorist activity and protect Dormitory Master Plan.	erseas lo et occupa	ants fro	with a sensit	ive mission, t tack. This pro	bject is in
CURRENT SITUATI	<u>ON:</u> The ect is in co	base has insufficient on-to- mpliance with the Air Fo	base hou rce Dorm	ising to hitory I	o accomodate Master Plan.	e unaccompa	nied enlisted
MPACT IF NOT PR vill not be available, inlisted personnel.	OVIDED: resulting	Adequate living quarters in degradation of morale,	which producti	ovide ivity, a	a level of priva	acy required isfaction for u	for today's airmen inaccompanied
ADDITIONAL: The standards for Tactic uture. This project r is "one-plus-one," e	his project al & Trans neets the stablished	is not currently eligible fo sport Airfields-6th Edition criteria/scope specified ir by OSD. All known alter	r NATO criteria a the nev natives v	fundin nd we v unifc vere c	g based on N do not anticip orm barracks o onsidered dur	ATO Approve bate it becom construction s ing the devel	ed Criteria & ing eligible in the standard, known opment of this

1. COMPONENT		FY 2002 MILITARY CON	ISTR	UCTION PROJECT DA	TΑ	2. DATE	
AIR FORCE		(computer generated)					
3. INSTALLATION RAMSTEIN AIR BA	AND LOC SE, GERM	CATION IANY FED REP OF		4. PROJECT TITLE DORMITORY			
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7. P	ROJECT NUMBER	8. PROJEC	CT COST (\$000)	
27596		721-312	21-312 TYFR003006 11.000				
5. PROGRAM ELE 27596 project. No other op performed. FY99 Ur (Estimated): FY00= 6371-47-6228 Dor	MENT bion could haccompar \$485K; FY mitory: 3,9	6. CATEGORY CODE 721-312 meet mission requiremen nied Housing RPM Cond 01=\$3,200K; FY02=\$3,3 060 SM = 42,625SF	7. P	ROJECT NUMBER TYFR003006 Therefore, no economi I: \$2,200K; Future Una FY03=\$3,300K. BCE (8. PROJEC c analysis wa ccompanied Col Edward F	11,000 as needed or Housing RPM Pokora 011-49-	

1. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE							
3. INSTALLATION	3. INSTALLATION AND LOCATION								
RAMSTEIN AIR BA	RAMSTEIN AIR BASE, GERMANY FED REP OF								
1. PROJECT TITLE		5. PROJECT NUMBER							
JORMITORY		TYFR003006							
12. SUPPLEMEN	ITAL DATA: Desig	gn, Bid, Build							
a. Estimated	Design Data:								
(1) Status:									
(a) Da	te Desian Started	21-MAR-00							
(b) Pa	rametric Cost Estimates used to develop costs	YES							
• (c) Pe	rcent Complete as of Jan 01	100%							
• (d) Da	te 35% Designed.	15-SEP-00							
(e) Da	te Design Complete	15-AUG-01							
(f) Ene	rov Study/Life-Cycle analysis was/will be performed	YES							
(2) Basis:									
(a) Sta	indard of Definitive Design -	YES							
(b) Wh	ere Design Was Most Recently Used -	SPANGDAHLEM							
(3) Total C	Cost (c) = (a) + (b) or(d) + (e):	(\$000)							
(a) Pro	oduction of Plans and Specifications	792							
(b) All	Other Design Costs	396							
(c) Tot	al	1,188							
(d) Co	ntract	1,056							
(e) In-	house	132							
(4) Constru	uction Contract Award Date	01 Nov							
(5) Constru	uction Start	02 Jan							
(6) Constru	uction Completion	03 Jul							
 indicates which is co cost and ex 	completion of Project Definition with Parametric Cost Estimate mparable to traditional 35% design to ensure valid scope and cecutability.	;							
b. Equipment asso appropriations:	ciated with this project will be provided from other N/A								

						тл		
	PONENT FY 2002 MILITARY CONSTRUCTION PROJECT DATA 2. DATE						Z. DATE	
AIR FORCE	RCE (computer generated)							
3. INSTALLATION	AND LOO			4. PROJ	IECT TITLE			
RAMSTEIN AIR BA	SE, GERN	MANY FED REP OF		FREIGH	IT TERMINAL	. & DEFENSE	COURIER	
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7. PF	ROJECT		8. PROJEC	T COST (\$000)	
27596		141-782	-	TYFR993	219		9.400	
		9. COS	T EST	MATES	210		3.400	
				1	Γ	UNIT	COST	
		TEM		U/N	QUANTITY	COST	(\$000)	
FREIGHT TERMINA	L&DCS			LS			7,202	
FREIGHT TERM	INAL			SM	7,500	750	(5.625	
COVERED STOR	AGE & D	OCKS		SM	1,700	325	(553	
DEFENSE COUR	RIER SER	VICE		SM	1,320	694	(916	
SCALE				SM	56	810	(45	
ANTITERRORIS	M/FORCE	PROTECTION		LS			(63'	
SUPPORTING FAC							1 206	
UTILITIES				LS			(510)	
PAVEMENTS				LS			(390	
SITE IMPROVEMENTS				LS			(306)	
SUBTOTAL							8,408	
CONTINGENCY (5.0%)						420	
	COST						8.828	
SUPERVISION, INS	SPECTION	& OVERHEAD (6.5 %)				574	
FOTAL REQUEST							9,402	
FOTAL REQUEST	(ROUNDE	D)					9,400	
	·							
FCF Budget Rate u	ised: Eur	opean Community Euro	1.196	5				
IO. Description of F 3lab, masonry walls, Maintenance Facilit he local requirement	IO. Description of Proposed Construction: Constuct 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 he local requirement.							
11. REQUIREMEN	T: 18,976	SM ADEQUATE: 8,400	SMS	SUBSTA	NDARD: 108	SM		
PROJECT: Constru	uct Freight	Terminal and Defense C	ourier	Service	(DCS) (New I	Mission)		
3EQUIREMENT: airlift capability from European theater of buildup and netting, FHE U.S. FUNDED 7,190 SM of outdoo 314,890K. Antiterron	Provide a Rhein Ma operation pallet stor PORTION or storage ism/force	n adequately sized and c in Air Base to Ramstein A s. Facility must include s rage, packing and crating ONLY. COMPLETE PRO facilities. Total Payment-i protection measures to c	onfigu Air Bas space , and OJECT n-Kind comply	red freigh se and to for receiv administr WILL IN I funds w with loc	nt terminal to maintain Rar ving, sorting/a ation. NOTE: NCLUDE A 18 ill total DM25 al threat requ	support the transtein as an a ccumulation of PA SHOWN 3,976 SM Freig 5 million, or a irements.	ansfer of strategic irlift hub for the f cargo, pallet ABOVE IS FOR ght Terminal and approximately	

<u>CURRENT SITUATION:</u> The existing freight terminal is undersized for the current mission at **Ramstein** AB and he closure of Rhein Main AB requires the relocation of its air freight mission to **Ramstein** AB. The additional nission will completely overburden existing freight handling facilities on **Ramstein** AB. Additionally, as a result of he 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 or the replication of freight terminal capability lost with the return of Rhein Main AB to the Flughafen Corporation.

<u>MPACT IF NOT PROVIDED</u>: The freight transportation function will continue to operate out of a dilapidated acility that does not meet the size requirements **necesssary** to support the current mission. When the flow of

1. COMPONENT FY 2002 MILITARY CONSTRUCTION PROJECT DATA 2. DATE								
AIR FORCE (computer generated)								
3. INSTALLATION	AND LOC	ATION	4. PROJECT TITLE					
RAMSTEIN AIR BA	SE, GERM	IANY FED REP OF	FREIGHT TERMINAI SERVICE	& DEFENSE	ECOURIER			
5. PROGRAM ELE	GRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000)							
27596	27596 141-782 TYFR993219 9,400							
treight 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.								
<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 & Docks: 1,700 SM = 18,300 SF. Defense Courier Service: 1,320 SM = 14,200 SF.								

(computer generated) DCATION RMANY FED REP OF FENSE COURIER SERVICE ATA: n Data: gn Started c Cost Estimates used to develop costs omplete as of Jan 01 Designed. gn Complete dy/Life-Cycle analysis was/will be performed of Definitive Design - sign Was Most Recently Used - = (a) + (b) or(d) + (e):	5. PRC TYI Design, Bid,	DJECT NUMBER FR993219 Build 15-MAY-00 YES 100% 15-SEP-00 31-DEC-01 YES NO
ATA: a Data: a Data: a Data: a Data: a Data: a Data: a Data: a Data: a Data: a Data: b Data: a Data: a Data: a Data: a Data: b Data: a Data: a Data: a Data: a Data: b Data: a Data: a Data: a Data: a Data: a Data: b Data: a Data	5. PRC TYI Design, Bid,	DJECT NUMBER FR993219 Build 15-MAY-00 YES 100% 15-SEP-00 31-DEC-01 YES NO
ATA: The Data: an Data:	5. PRO TYI	DJECT NUMBER FR993219 Build 15-MAY-00 YES 100% 15-SEP-00 31-DEC-01 YES NO
ATA: n Data: gn Started c Cost Estimates used to develop costs omplete as of Jan 01 Designed. gn Complete dy/Life-Cycle analysis was/will be performed of Definitive Design - sign Was Most Recently Used - = (a) + (b) or(d) + (e):	5. PRC TYI	DJECT NUMBER FR993219 Build 15-MAY-00 YES 100% 15-SEP-00 31-DEC-01 YES NO
ATA: n Data: gn Started c Cost Estimates used to develop costs omplete as of Jan 01 Designed. gn Complete dy/Life-Cycle analysis was/will be performed of Definitive Design - sign Was Most Recently Used - = (a) + (b) or(d) + (e):	Design, Bid,	Build 15-MAY-00 YES 100% 15-SEP-00 31-DEC-01 YES NO
ATA: n Data: gn Started c Cost Estimates used to develop costs omplete as of Jan 01 Designed. gn Complete dy/Life-Cycle analysis was/will be performed of Definitive Design - sign Was Most Recently Used - = (a) + (b) or(d) + (e):	Design, Bid,	Build 15-MAY-00 YES 100% 15-SEP-00 31-DEC-01 YES NO
gn Started c Cost Estimates used to develop costs omplete as of Jan 01 Designed. gn Complete dy/Life-Cycle analysis was/will be performed of Definitive Design - sign Was Most Recently Used - = (a) + (b) or(d) + (e):		15-MAY-00 YES 100% 15-SEP-00 31-DEC-01 YES NO
gn Started c Cost Estimates used to develop costs omplete as of Jan 01 Designed. gn Complete dy/Life-Cycle analysis was/will be performed of Definitive Design - sign Was Most Recently Used - = (a) + (b) or(d) + (e):		15-MAY-00 YES 100% 15-SEP-00 31-DEC-01 YES NO
gn Started c Cost Estimates used to develop costs omplete as of Jan 01 Designed. gn Complete dy/Life-Cycle analysis was/will be performed of Definitive Design - sign Was Most Recently Used - = (a) + (b) or(d) + (e):		15-MAY-00 YES 100% 15-SEP-00 31-DEC-01 YES NO
c Cost Estimates used to develop costs omplete as of Jan 01 Designed. gn Complete dy/Life-Cycle analysis was/will be performed of Definitive Design - sign Was Most Recently Used - = (a) + (b) or(d) + (e):		YES 100% 15-SEP-00 31-DEC-01 YES NO
omplete as of Jan 01 Designed. gn Complete dy/Life-Cycle analysis was/will be performed of Definitive Design - sign Was Most Recently Used - = (a) + (b) or(d) + (e):		100% 15-SEP-00 31-DEC-01 YES NO
Designed. gn Complete dy/Life-Cycle analysis was/will be performed of Definitive Design - sign Was Most Recently Used - = (a) + (b) or(d) + (e):		15-SEP-00 31 -DEC-01 YES NO
gn Complete dy/Life-Cycle analysis was/will be performed of Definitive Design - sign Was Most Recently Used - = (a) + (b) or(d) + (e):		31 -DEC-01 YES
dy/Life-Cycle analysis was/will be performed of Definitive Design - sign Was Most Recently Used - = (a) + (b) or(d) + (e):		YES
of Definitive Design - sign Was Most Recently Used - = (a) + (b) $or(d)$ + (e):		NO
of Definitive Design - sign Was Most Recently Used - = (a) + (b) or(d) + (e):		NO
sign Was Most Recently Used - = (a) + (b) $or(d)$ + (e):		NO
= (a) + (b) or(d) + (e);		
		(\$000)
of Plans and Specifications		(¢000) 672
Design Costs		336
		1,008
		896
		112
Contract Award Date		01 Dec
Start		02 Mar
Completion		03 Dec
tion of Project Definition with Parametric Cost E le to traditional 35% design to ensure valid scop- lity.	stimate e and	
with this project will be provided from other N/A		
	Design Costs Contract Award Date Start Completion etion of Project Definition with Parametric Cost E ble to traditional 35% design to ensure valid scop ility. with this project will be provided from other N/A	Contract Award Date Start Completion etion of Project Definition with Parametric Cost Estimate ble to traditional 35% design to ensure valid scope and ility. with this project will be provided from other N/A

1. COMPONENT		FY 2002 MILITARY CON	STRUC	FION I	PROJECT DA	TA	2. DATE	
AIR FORCE (computer generated)								
3. INSTALLATION	3. INSTALLATION AND LOCATION 4. PROJECT TITLE							
RAMSTEIN AIR BA	RAMSTEIN AIR BASE, GERMANY FED REP OF STRATEGIC LIFT AREA EXPANSION							
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7. PRO	JECT	NUMBER	8. PROJEC	CT COST (\$000)	
27596 851-147 TYFR023047 4,600								
		9. COST	ESTIMA	TES				
	ľ	TEM		U/M	QUANTITY	COST	COST (\$000)	
STRATEGIC LIFT	AREA EXF	PANSION		LS			3,310	
PRIMARY ROAD	& INTERS	SECTION		SM	15,750	17	2 (2,709)	
MAIN GATE				ΕA	1	601,000	(601)	
SUPPORTING FAC	ILITIES						806	
REFORESTRATIO	NC			SM	14,309	Ę	5 (72:	
STREET LIGHTIN	١G			ΕA	6 7	2,684	4 (180)	
SIDEWALK, BICY	CLE AND	JOGGING TRAIL		LM	7,500	7 -	4 (555)	
'SUBTOTAL							4,116	
CONTINGENCY (5.0%)						206	
TOTAL CONTRACT	COST						4,322	
SUPERVISION, INS	SPECTION	& OVERHEAD (6.5 %)					281	
FOTAL REQUEST							4,603	
TOTAL REQUEST	(ROUNDEI	D)					4,600	
FCF Budget Rate u	ısed: Euro	ppean Community Euro	1.196					
10. Description of F	Proposed (Construction: All civil, stru	ctural, e	lectric	al, and comm	unication sur	porting work	
necessary for the re	location of	a portion of the primary b	ase road	d inclu	iding a bridge	over a creek	, pedestrian	
including a guard ho	ouse and c	other security measures. I	ncludes	all oth	ner necessary	support.	main gate	
11. REQUIREMEN	T: 15,750	SM ADEQUATE: SM S	UBSTA	NDAR	D: 15,750 S	M		
PROJECT: Relocat	te a portior	n of the primary base road	l and the	e main	gate (New M	ission).		
REQUIREMENT:	Relocation	of the main road and the	e main g	ate is	required to tra	ansfer strateg	ic airlift capability	
from Rhein Main Air	Base to F	Ramstein Air Base. Moving	g the roa	id and	I gate provide	s for the nec	essary future	
Ramstein Air Base A	Area Devel	opment Plan (ADP). The	primary	base	road is the ma	ain distributing	g artery for all	
traffic originating out	side and v	vithin the base. This main	road pro	ovides	s access to, th	nrough, and b	etween all	
		eation of those facilities is	in the f	irct ob	and y control p	D = Tho ADD	outlines facility	
construction and de	molition re	quirements necessary to a	optimize	tactic	al and strateg	ic airlift opera	ations at	
Ramstein Air Base.	The prima	ry road and the main gate	e are cur	rently	located in the	e area of prop o terminal an	osed future	
and in-flight kitchen	facilities.	obling processing center,	panet su	Jiage	yard, an carg		u neet service,	
IMPACT IF NOT PR	OVIDED:	Without the relocation of t	he prima	ary roa	ad and the ma	ain gate, the e	expansion of the	
AMC compound, to j	provide ad	equate facilities, cannot be	e realize	d and	the AMC ser	vices will be	continuously	
Prevent improvemen	t of operat	ional efficiency of the bas	6.					
ADDITIONAL: AI	though this	s project is not currently e	ligible fo	r NAT	O funding, a	precautionary	/ pre-finance	
statement will be file	d to allow	for future recoupment she	ould elig	ibility Docu	be established	d. This project	t meets the	
reasonable options	was done	and indicates only one op	ption me	ets op	erational requ	irements. A	certificate of	

1. COMPONENT		FY 2002 MILITARY CON	ISTR	UCTION PROJECT DA	TA	2. DATE
AIR FORCE	(computer generated)					
3. INSTALLATION	INSTALLATION AND LOCATION 4. PROJECT TITLE					
RAMSTEIN AIR BA	SE, GERM	IANY FED REP OF		STRATEGIC LIFT AR	EA EXPANS	ION
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7. P	ROJECT NUMBER	8. PROJEC	CT COST (\$000)
27596		851-147		TYFB023047		4 600
exception has beer	prepared	Base Civil Engineer: Co	l ol Ed	ward Pokora, 01 I-49-6	371 -47-6228	. Relocate Road:
15,750 SM = 169,4	70 SF	0		,		

1. COMPONENT FY 2002 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
RAMSTEIN AIR BASE, GERMANY FED REP OF	
4. PROJECT TITLE	5. PROJECT NUMBER
STRATEGIC LIFT AREA EXPANSION	TYFR023047
12. SUPPLEMENTAL DATA: Desi	gn, Bid, Build
a. Estimated Design Data:	
(1) Status:	
(a) Date Design Started	15-MAY-00
(b) Parametric Cost Estimates used to develop costs	YES
(c) Percent Complete as of Jan 01	15 %
 (d) Date 35% Designed. 	31 -AUG-01
(e) Date Design Complete	03-DEC-01
(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	266
(b) All Other Design Costs	108
(c) Total	374
(d) Contract	177
(e) In-house	197
(4) Construction Contract Award Date	01 Dec
(5) Construction Start	02 Mar
(6) Construction Completion	03 Jun
 Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability. 	3
b. Equipment associated with this project will be provided from other appropriations: N/A	

1. COMPONENT		FY 2002 MILITARY CON	STRUC	RUCTION PROJECT DATA 2. DATE					
AIR FORCE		(compu	erated)	1					
3. INSTALLATION	AND LOC	CATION	4.	. PROJECT TITLE					
RAMSTEIN AIR BAS	SE, GERN	IANY FED REP OF	U	PGRA	DE UTILITY I	NFRASTRUC	CTURE		
5. PROGRAM ELEI	MENT	6. CATEGORY CODE	7. PRC	JECT	NUMBER	8. PROJEC	CT COST (\$000)		
27596		812-223	ΤY	FROO	1123		2,900		
		9. COST	I ESTIM	ATES I		UNIT	COST		
	I	ТЕМ		U/M	QUANTITY	COST	(\$000)		
UPGRADE UTILITY	INFRAST	TRUCTURE		LS			2,592		
ELECTRICAL				LS			(1366		
WATER LINES				LS			(281		
SEWER LINES				LS		I	(415		
HIGH TEMPERAT	URE HOT	WATER LINES		LS			(281		
STORM WATER				LS		I	(247		
SUPPORTING FAC	ILITIES						0		
SUBTOTAL							2 592		
CONTINGENCY (5	5.0 %)						130		
TOTAL CONTRACT	COST						2,722		
SUPERVISION, INS	PECTION	& OVERHEAD (6.5 %))				177		
TOTAL REQUEST							2,899		
TOTAL REQUEST	(ROUNDEI	כ)					2,900		
FCE Budget Rate u	sod: Fure	pean Community Euro	1 196						
IQ. Description of P	roposed (Construction: Upgrade and	d extens	ion of	electrical dis	tribution lines	transformer		
stations, communica	tion lines,	sewer lines and manhole	es, sewe	r lift st	ation, storm v	water collection	on system and		
compliance with the	current US	ating lines. The work shal S Air Force and German r	ll include regulatio	e all ot ns.	her necessary	y support and	must be in		
11. REQUIREMEN	T: LS A	DEQUATE: LS SUBST	ANDARI	D: LS					
PROJECT: Upgrade	Utility Inf	rastructure (New Mission)						
REQUIREMENT:	Adequate	utility infrastructure is req	uired to	suppo	ort major new	construction	in support of the		
ransfer of strategic a	airlift capa	bility from Rhein Main Air	Base to	ater d	stein Air Base	e. Significant	upgrades to the		
system, and waste w	ater colle	ction system are required	in the a	ffected	d area of the	installation, b	efore further		
construction.									
CURRENT SITUATI	<u>ON:</u> Most	t of the utility infrastructure	e is over	40 ye	ars old and lo	baded to the r	maximum		
trategic airlift capabi	ilities at Ra	amstein Air Base, as well	as the	execut	ion of the pro	posed Area I	Development		
Plan (ADP), will incress sxisting facilities nec	ease the d	emand on existing utility i the rerouting of existing u	infrastrue	cture in nd infr	n this area of astructure.	the installatio	n. Relocation of		
MPACT IF NOT PR	OVIDED:	Without upgrades and ex	pansion	of the	existing utilit	y infrastructur	e, electricity,		
ommunication, water	er supply,	and waste/storm water co	ollection	will be	inadequate t	o support fut	ure demands.		
xpensive computer	equipmen	iges, water snortages, an t and loss of sensitive da	a sewer ta, leadi	bаски ng to h	nampered airl	, causing pos ift operations.	Mission critical		
acilities will have to trategic airlift missio	operate o n cannot	n generator back-up powe be implemented effectivel	er contir v until tl	uously nis pro	/ for secure o	perations. Als	so, the new		
DDITIONAL: Alt	hough this	s project is not currently e	ligible fo	or NAT	O funding ba	sed on NATC) Approved		
		· · · · · · · · · · · · · · · · · · ·	5				rr -		

1. COMPONENT		FY 2002 MILITARY CONSTRUCTION PROJECT DATA 2. DATE					
AIR FORCE		(computer generated)					
3. INSTALLATION	3. INSTALLATION AND LOCATION 4. PROJECT TITLE						
RAMSTEINAIR BA	SE, GERN	IANY FED REP OF		NFRASTRU	CTURE		
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJE	CT COST (\$000)		
27596		812-223	TYFR001123		2.900		
Criteria & Standard will be filed to allow	s for Taction for future	cal & Transport Airfields-(recoupment should eligit	6th Edition criteria, a precau bilitγ be established. This pro	itionary pre-fi piect meets th	nance statement ne criteria / scope		
specified in AFH 32 development of this	2-1084, "Fa s proiect, N	acility Requirements." All	known alternative options w	vere consider	ed during the		
analysis was neede	ed or perfo	rmed. A certificate of exe	emption has been prepared.	Base Civil E	Engineer: Col		
Edward Pokora, 01	I-49-6371	-47-6228.					

1. COMPONENT		2. DATE					
AIR FORCE							
3. INSTALLATION	AND LOCATION						
RAMSTEIN AIR BA	SE. GERMANY FED REP OF						
4. PROJECT TITLE		5. PR	OJECT NUMBER				
JPGRADE UTILITY	INFRASTRUCTURE	T	YFROOI123				
12. SUPPLEMEN	NTAL DATA: Desig	gn, Bio	l, Build				
a. Estimated	I Design Data:						
(1) Status	:						
(a) Da	te Design Started		15-MAY-00				
(b) Pa	rametric Cost Estimates used to develop costs		YES				
. (c) Pe	rcent Complete as of Jan 01		15 %				
* (d) Da	te 35% Designed.		31 -AUG-01				
(e) Da	te Design Complete		20-DEC-01				
(f) Ene	ergy Study/Life-Cycle analysis was/will be performed		NO				
(2) Basis:							
(a) Sta	(a) Standard of Definitive Design -						
(b) Wł	nere Design Was Most Recently Used -						
(3) Total (Cost (c) = (a) + (b) or(d) + (e):		(\$000)				
(a) Pro	oduction of Plans and Specifications		185				
(b) All	Other Design Costs		85				
(c) To	tal		270				
(d) Co	ontract		114				
(e) In-	house		156				
(4) Constru	uction Contract Award Date		01 Dec				
(5) Constr	uction Start		02 Mar				
(6) Constr	uction Completion		03 Mar				
* Indicates which is co cost and e	completion of Project Definition with Parametric Cost Estimate omparable to traditional 35% design to ensure valid scope and xecutability.	¢					
b. Equipment ass appropriations:	ociated with this project will be provided from other N/A						

1. COMPONENT AIR FORCE	FY2	002	MILITA (compu	RY CONS	TRUCTIC ated)	ON PRC	GRAM		2. DATI	E
3. INSTALLATION A	3. INSTALLATION AND LOCATION 4. COMMAND								5. ARE	A CONST
SPANGDAHLEM A	IR BASE	, GERMA	NY	UNITED	STATES	AIR FO	RCES IN		COST INDEX	
				EUROPE						1.28
6. PERSONNEL	PEF	RMANENT	-		STUDE	NTS		SUPP	ORTED	
STRENGTH	OFF	FNI	CIV	OFF	FNI	CIV	OFF	FNL	CIV	TOTAL
a. As of 30 Sep 00	325	3,685	725				1	3	96	4,835
b. End FY 2005	321	3,843	719				1	3	96	4,983
			7. IN	VENTOR	Y DATA	\$(000)				
a. Total Acreage		1,374	1							
b. Inventory Totals a	as of: 30	Sep 00							149.137	
c. Authorization Not	Yet In In	ventorv:							19,835	
d. Authorization Rec	uested Ir	n this Prog	gram:						8,700	
e. Authorization Incl	uded In F	ollowing I	Program:	(FY200	3)				0	
f. Planned in Next F	our Progr	am Years	:						41,849	
a. Remainina Delicie	ency:								307 944	-
1. Granu Total. 8. Projects Requeste	d in this	Program:	EV2002						307.344	
CATEGORY	u in this	r iografii.	112002					COST	DESIGN	STATUS
CODE PRO	DJECT TI	ITLE			SC	OPE		\$(000)	START	CMP
214-467 Refuel	er Vehicle	e Mainten	ance			535	SM	\$2,500	JAN 01	MAY 02
812-223 NW Int	frastructu	re Expans	sion		30	00,000	SM _	\$6,200	TUR	N KEY
							Total	\$8,700		
9a. Future Projects: I	ncluded i	n the Foll	owing Pi	rogram: (F	FY2003)	N	o Projects	;		
9b. Future Projects:	Typically I	Planned N	lext Fou	r Years						
141-753 Consol	idate F-I	6 Squad (Dps/AML	J		5,237	SM	\$12,800		
442-758 WRSK	/Supply \	Varehous	е			4,800	SM	\$14,209		
721-312 Dormit	ory					120	RM	\$14,840		
9c. Real Property Ma	aintenanc	e Backlog	This In	stallation					72	
10. Mission or Major air control squadron.	Function	s: A fighte	er wing w	ith two F-	6 squadi	rons an	d one A-1	0A/OA-10	0A squadro	on; and an
11. Outstanding pollu	tion and	safety (OS	SHA) dei	ficiencies:						
a. Air pollution									0	
b. Water pollutior	ı								0	
c. Occupational S	Safety and	d Health							0	
d. Other Environr	nental								٥	

·								
I. COMPONENT		FY 2002 MILITARY CON	UCTIC	ON F	PROJECT DA	TA 2	2. DATE	
AIR FORCE		(compu	enerat	rated)				
3. INSTALLATION SPANGDAHLEM AI	AND LOO R BASE, (CATION GERMANY FED REP OF	4. P NW	ROJ INF	ECT TITLE RASTRUCTU	RE EXPANSIO	ОМ	
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7. P	ROJE	СТ	NUMBER	8. PROJECT	COST (\$000)
27596		812-223	,	VYHK	983	104		6,200
		9. COS	T EST	IMATE	ES			
	I	TEM	ι	J/M	QUANTITY	UNIT COST	C O S T (\$000)	
NORTHWEST EXP	ANSION	INFRASTRUCTURE		S	SΜ	300,000		0
SUPPORTING FAC	ILITIES	(STEM		,	М	2 200	464	5,550 (1,021
	FLECTRI				м	2,200	180	(1,021
	M SEWER	SYSTEM			S	2,000	100	(430
					SM	16 000	166	(2.656
GATE HOUSE AN		R PASS FACILITY			SM	217	922	(2,050
					м	1 200	83	(200
SIDEWALKS				5	SM	2 100	83	(100
PERIMETER FEN	ICE				м	2,300	80	(184
VEHICLE BARRIE	-RS			F	= A	2,000	121 000	(484
							,	5 550
CONTINGENCY (5.0%)							277
SOTAL CONTRACT	0.0 <i>/</i> 0)							5 827
SUPERVISION, INS	PECTION	I & OVERHEAD(6.5 %)					379
FOTAL REQUEST								6,206
FOTAL REQUEST	(ROUNDEI	D)						6.200
CF Budget Rate u	sed: Euro	opean Community Euro	1.19	6				
IO. Description of P frastructure . Work: .M water lines, 1,50 nes, 1,200 LM com /ork .	roposed 0 16,000 S 0 LM sewe	Construction: Develop 74 M roads, 20 parking slots er lines, 1,700 LM storm n ducts, new primary gat	acres s, 2,1(draina e, gua	s of ex 00 SN age, 2 ard ho	xistir 1 sid 2,500 ouse	ng farmland b ewalks, 2,300) LM undergro , automatic ve	by constructing) LM perimeter bund electrical bhicle barriers,	common area r fence, 2,200 distribution visitor pass, site
II. REQUIREMENT	F: 300,00	0 SM ADEQUATE: SM	1 SUE	BSTA	NDA	ARD: SM		
'ROJECT: Develop Icquired on northwee	o 74 acres est side of	of existing farmland by of Spangdahlem AB.	constr	ucting	g cor	mmon area in	frastructure on	new land
REQUIREMENT: Iorthwest Expansion unctions into a code ocusing on moving ones. The construct ystems are in place nd the electrical syst 'he base perimeter ehicle barriers.	The const n, so the 5 esive neigh support an tion of the e. The sew stem requ and entrai	ruction of common infras 52d Fighter Wing can cor aborhood. This communit ad community facilities av buildings in this new con ver system requires a new ires a substation. Ducts ince gates require force p	tructur nsolida ty is th vay fro mmun w lift s will be rotecti	re sys ate do ne lyn om the nity ca station e insta ion me	stem orm, ichp inno inno i, the alled easu	s is the first s base support, in of the base erational area t begin until the storm draina for communic ures to include	tep in develop , and commun 's 15-year dev as and out of e his project's in age system a cation network e an earth berr	ing the base's ity support velopment plan explosive safety frastructure retention basin equipment. n and pop up

<u>URRENT SITUATION</u>: The base's existing footprint is saturated with facilities. The current community layout is n unsatisfactory mix of residential, community, industrial and operational use areas that lie inside explosive afety 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

1. COMPONENT		2. DATE					
AIR FORCE		(computer generated)					
3. INSTALLATION SPANGDAHLEM AI	CATION GERMANY F	4. PROJECT TITLE NW INFRASTRUCTU	IRE EXPANS	SION			
5. PROGRAM 27596 ELE	MENT	6. CATEGORY	812-223 CODE	7. P	ROJECT VYHK983104 NUMBER	8. PROJE	CT COST 6,200 (\$000)

2000. This land, referred to as the Northwest Expansion, is undeveloped and has no roads or utilities. Our 15year 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.

<u>ADDITIONAL:</u> 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	FY 2002 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
AIR FORCE	(computer generated)		
3. INSTALLATION	AND LOCATION		
SPANGDAHLEM A	IR BASE, GERMANY FED REP OF		
4. PROJECT TITLE		5. PF	ROJECT NUMBER
NW INFRASTRUCT	URE EXPANSION	V	YHK983104
12. SUPPLEMEN	ITAL DATA: De	esign l	Build
a. Estimated	I Design Data:		
(1) Project	to be accomplished by design-build procedures		
(1) 1 10jee (2) Basis:			
(a) Sta	andard of Definitive Design -		NO
(b) WI	nere Design Was Most Recently Used -		
(3) Desigr	Allowance		248
(4) Constr	uction Contract Award Date		02 Mar
(5) Constr	uction Start		02 May
(6) Constr	uction Completion		04 Jan
(7) Energy	Study/Life-Cycle analysis was/will be performed		YES
b. Equipment ass appropriations:	ociated with this project will be provided from other N/A		

1. COMPONENT FY 2002 MILITARY CONSTRUCTI AIR FORCE (computer ger	ON PF	ROJECT DA	TA 2	. DATE
3. INSTALLATION AND LOCATION 4. PF SPANGDAHLEM AIR BASE, GERMANY FED REP OF	OJECT REFUEL	TITLE ER VEHICLE	MAINTENAN	CE
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. P	ROJEC	T NUMBER	8. PROJECT	COST (\$000)
27596 214-467 V	/HK013	101		2.500
9. COST ESTI	ATES	I	1	
ITEM	U/M	QUANTITY	UNIT COST	C O S T (\$000)
REFUELER MAINTENANCE FACILITY	SM	535	2,057	1,100
SUPPORTING FACILITIES UTILITIES	LS			1,143 (275
PAVEMENTS	SM	3,600	100	(36C
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
OTAL CONTRACT COST				2,356 153
TOTAL REQUEST				2.509
OTAL REQUEST (ROUNDED)				2,500
				,
CF Budget Rate used: European Community Euro 1.196				
0. Description of Proposed Construction: Construct one-story oor slabs, masonry walls, and pitched roof. Facility includes a entilation, exhaust extraction, compressed air, fire suppression ehicle maintenance. Project includes demolition of existing factors.	facility ive vehi n, and acility.	with reinforce cle maintenan oil/water sepa	ed concrete fou ce bays with for rator required f	undations and prced for refueler
11. REQUIREMENT: 535 SM ADEQUATE: SM SUBSTAN	DARD:	435 SM		
ROJECT: Construct refueler maintenance facility.				
<u>REQUIREMENT:</u> Provide a facility for refuler vehicle mainter combined fleet of 26 fuel trucks and 17 fuel trailers adjacent to coation. Consolidate the maintenance and operation functions lepartment special purpose vehicles."	nance f the pri and pr	unctions with a mary refueler ovide on-site	adequate spac operating and maintenance fo	e to maintain a staging or fire
<u>CURRENT SITUATION:</u> The existing refueler maintenance fa ignificant renovations or upgrades. They were designed for 1 efueler trucks. The turning radius of the driveway is too small rot be safely closed while vehicles are being serviced. The er orcing the personnel to work with the bay doors open even du and electrical wiring are all substandard and oil/water separator rays has no oil/water separator and cannot be used for vehicle work that requires four and forcing maintainers to work two shi lays. The refueling vehicles must travel a narrow congested re lasses through a restricted area, across active taxiways, throu quipment parking lots, and across the base's most heavily tra-	cilities v 950's er for the agine ex ring sev ors do n e mainte ts a day oute to ugh priva veled ro	vere constructors refuelers and chaust ventilation vere weather. of meet currer enance, leaving v to make the receive major ately owned ver pad.	ed in 1955 and d are inadequa maintenance b on system is n Fire suppressi nt standards. C g two bays to h most of the fac maintenance. ehicle and aero	I have had no te for modern ay doors can on-functional, on, bay lighting, one of the three andle a level of illity's two The route ospace ground
<u>MPACT IF NOT PROVIDED:</u> Current facility will require costly upport for the refueler vehicle maintenance function and the 'angerous route from the operations to the maintenance area	repairs efueler s. Vehic	and upgrades vehicles will si le mishaps ar	to provide the till need to trav id lengthy trans	e required el the sit times will

1. COMPONENT	MPONENT FY 2002 MILITARY CONSTRUCTION PROJECT DATA 2. DATE						
AIR FORCE		(compu	enerated)				
3. INSTALLATION AN	D LOCATI	ON		4. PROJECT TITLE			
SPANGDAHLEM AIR E	BASE, GEF	RMANY FED REP OF	=	REFUELER VEHICLE	E MAINTEN/	ANCE	
5. PROGRAM ELEME	NT 6.	CATEGORY CODE 7. P		ROJECT NUMBER	8. PROJE	CT COST (\$000)	
27596		214-467		VYHK013101		2,500	
continue to degrade ret two shifts every day, de	fueler availa ecreasing v	ability rates and unne vork efficiency, and d	ecess legrac	arily cost the governme ding unit morale.	ent. Maintair	ners will work in	
ADDITIONAL: This filed until the actual fur criteria/scope specified analysis has been prep the net present values efficient over the life of guidance. Base Civil E 5,758 SF.	project is e nding share in Military pared comp and benefit the project ngineer: Lt	eligible for partial NA is clarified with NAT Handbook 32-1084, aaring the alternatives s of the respective a . Force protection m Col Kaisler, 01 I-49	TO fu TO Inf "Star s of n Iterna leasu -6371	Inig unit morale. Inding. A precautionary frastructure Committee. Indard Facility Requirem new construction, revita trives, new construction res will comply with mir -47-6228. Refueler Vo	r prefinancing This project lents Handbo lization, and was found t himum DoD t ehicle Mainte	g statement will be meets the bok." An economic leasing. Based on to be the most cost force protection mance: 535 SM =	

I. COMPONENT AIR FORCE	FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE				
3. INSTALLATION	AND LOCATION					
3PANGDAHLEM A	IR BASE, GERMANY FED REP OF					
. PROJECT TITLE		5. PROJECT NUMBER				
REFUELER VEHICI		VYHK013101				
12. SUPPLEMEN	NTAL DATA: Desi	gn, Bid, Build				
ä. ESiinaiet	a Design Data.					
(1) Status	s:					
(a) Da	ate Design Started	24-JAN-01				
(b) Pa	(b) Parametric Cost Estimates used to develop costs					
. (c) Pe	ercent Complete as of Jan 01	1 %				
. (d) Da	ate 35% Designed.	01 -NOV-01				
(e) Da	ate Design Complete	01 -MAY-O2				
(f) Ene	(f) Energy Study/Life-Cycle analysis was/will be performed					
(2) Basis:						
(a) Sta	andard of Definitive Design -	NO				
(b) WI	here Design Was Most Recently Used -					
(3) Total (Cost (c) = (a) + (b) or (d) + (e):	(\$000)				
(a) Pr	oduction of Plans and Specifications	150				
(b) All	Other Design Costs	75				
(c) Tc	otal	225				
(d) Co	ontract	188				
(e) In-	-house	38				
(4) Constr	ruction Contract Award Date	02 Jun				
(5) Constr	ruction Start	02 Aug				
(6) Constr	ruction Completion	03 Aug				
* Indicates which is co cost and e	completion of Project Definition with Parametric Cost Estimat omparable to traditional 35% design to ensure valid scope and executability.	e				
b. Equipment ass appropriations:	sociated with this project will be provided from other N/A					

1. COMPONENT AIR FORCE	FY2	002	MILITA (compu	RY CONS	TRUCTIC ated)	ON PRO	GRAM		2. DATE	
3. INSTALLATION A	ND LOC	ATION		4. COMN	IAND				5. AREA CONST	
THULE AIR BASE,	GREENL	AND		AIR FOR	CE SPA	CE CON	IMAND		COST	INDEX
									2	.92
6. PERSONNEL	PEF	MANENT			STUDE	NTS	L	SUPPO	ORTED	
STRENGTH	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 Sep 00	21	108	733							862
b. End FY 2005	21	108	733							862
			7. 1	VENTOR	Y DATA S	\$(000)				
a. Total Acreage 234,022										
b. Inventory Totals a	as of: 30	Sep 00							366.564	
c. Authorization Not	Yet In Inv	entory:							0	
d. Authorization Rec	juested In	this Prog	ram:						19,000	
e. Authorization Incl	uded In F	ollowing F	Program	(FY200	3)				0	
f. Planned in Next Four Program Years: 9,205										
h Grand Total:	ency.								<u></u>	
	d in this	Program:	EV2002						410,000	
ATEGORY		r iografii.	1 12002					COST	DESIGN :	STATUS
CODE PRO	JECT TI	TLE			SC	OPE		\$(000)	START	CMP
112-211 Replac	e Taxiwa	ys/Aprons	:		1	67,220	SM <u>\$</u>	519,000	JUN 01	JUN 02
							Total \$	19,000		
la. Future Projects: I	ncluded i	n the Foll	owing P	rogram: (F	FY2003)	No	Projects			
b. Future Projects:	Typically I	Planned N	lext Fou	r Years						
740-316 Comm	unity Faci	lity				1	LS	\$9,205		
c. Real Property Ma	aintenance	e Backlog	This In	stallation					20	
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. Jnits include an Air Force Space Command space warning squadron and a space operations squadron. Provides upport to airlift operations both enroute and within Greenland and Northern Canada.										
1. Outstanding pollu	ition and	safety (OS	SHA) de	ficiencies:						
a. Air pollution									0	
b. Water pollutior	า								0	
c. Occupational S	Safety and	Health							0	

			STRUCT					
	R FORCE (computer generated)							
THULE AIR BASE, GREENLAND REPLACE TAXIWAYS/APRONS								
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST							COST (\$000)	
31476		112-211	wwc	x9922	211		19,000	
		9. COS	T ESTIMA	TES	1			
	I	ТЕМ		JIM	QUANTITY	COST	COST (\$000)	
REPLACE TAXIWA	YS AND	APRONS		SM	167,220	102	17,056	
SUBTOTAL							17,056	
CONTINGENCY (5.0%)						853	
TOTAL CONTRACT	соѕт						17,909	
SUPERVISION, IN	SPECTIO	N & OVERHEAD (6.5 %))				1,164	
TOTAL REQUEST							19,073	
TOTAL REQUEST	(ROUNDE	D)					19.000	
taxiway and aprons base course, new p	avement,	demolition of existing pa painting and marking, ligh	s, equipn vement, nting, dra	recons inage,	and labor for struction of ei and all other	complete repla xisting subgrad · support.	cement of e, sub-base and	
11. REQUIREMEN	IT: 167,22	20 SM ADEQUATE: SM	SUBST	ANDA	RD: 465,063	3 SM		
PROJECT: Replace	e taxiways	and aprons. (Current Mi	ission)					
REQUIREMENT:	Thule Air	Base requires a servicea	ble airfie	d to la	aunch and re	cover aircraft s	upporting critical	
Air Force Space Co	mmand m	issile warning, satellite tra	acking ar	nd cor	trol missions	, and continger	cy operations.	
I his airfield is the mout. for ten months	of the vea	/ line for all items arriving Ir. The seaport is usable (at the ba (ice free)	ase an for or	id is the only nlv 40 davs p	means of trans er vear. The ai	portation, in or rfield also	
supports a number	of addition	nal requirements which ar	e: Statio	h Aler	t, C-130 aircr	aft averaging 1	20 sorties	
each year; First Air;	e annual 1 monthly /	5-day periods; Naval Oce Air Mobility Command cha	eanograp arter from	nic en i Cope	enhagen; and	acoustical resea I other miscella	neous services	
and visitors includin	g Danish	Royalty. A serviceable air	field is c	rucial	to the surviva	al of Thule Air I	Base.	
CURRENT SITUAT	ION: The	existing airfield was cons	structed in	n 1952	2. The existin	g taxiway and	apron surfaces	
are severely cracked	d and requing aircraft to	o turn 180 degrees and u	ise the m	xiway: iddle	s, the two end taxiways. The	e pavement for	the middle	
taxiways has failed	and foreig	n object damage (FOD) is	s a grow	ing pro	oblem. Extren	nely cold (-50 c	legrees	
asphalt pavement.	Melting ic	e and snow as well as so	ftening of	e-thav	r layers of the	eading to seve e permafrost du	re cracking of ring the	
summer contribute	to major s	ettlement problems. Rout	tine cracl	k and	joint maintena	ance has failed	to eliminate	
pavement damage.								
IMPACT IF NOT PF	to the poi	The apron surfaces will on they cannot be used.	continue f Aircraft w	o dete ill be f	eriorate. The to rem	two remaining t ain on the runy	axiways and av for loading	
offloading, fueling o	perations,	etc. This will delay air tra	iffic into a	and ou	ut of Thule Ai	r Base, and ca	use premature	
near the aprons will	e runway. not be us	able.	ircraft wil	l be s	lowed since t	he refueling hy	drants located	
	his project	meets the criteria/scope	specifier	lin ∆i	r Force Hand	book 32-1084	"Facility	
Requirements." All I	known alte	ernative options were cons	sidered c	luring	the developm	nent of this pro	ect. No other	
cetrificate of except	ne missior ion has be	n requirements; therefore, een prepared. Base Civil	no econ Engineer	omic : : Lt C	anaiysis was ol William Va	needed or perf alenti, (719) 556	ormea. A 6-7631.	
1			-			. ,		

AIR FORCE 3. INSTALLATION	AND	LOCATION	(compute	er generated)			_
THULE AIR BASE,	GREENLA	ND		REPLACE TAXIWA	YS/APRONS		
5. PROGRAM EL	EMENT	6. CATEGORY	CODE	7. PROJECT NUMBE	R 8. PROJE	CT COST (\$00	<u>))</u>
31476		112-211		wwcx992211		19,000	
Replace Taxiways	and aprons	s: 167,220 SM =	1,799,28	7 SF.			
	76		Previous e	ditions are obsolete.		Page No	7.0

1. COMPONENT FY 2002 MILITARY CONSTRUCTION PROJECT DATA 2. DATE								
AIR FORCE	(computer generated)							
3. INSTALLATION	AND LOCATION							
THULE AIR BASE, GREENLAND								
1. PROJECT TITLE	5. PF	ROJECT NUMBER						
REPLACE TAXIWA	W	/WCX992211						
12. SUPPLEMENTAL DATA: Design, Bid, Build								
a. Estimated Design Data:								
(1) Status								
(1) Otation (a) Da	te Design Started		15-JUN-01					
(b) Pa	rametric Cost Estimates used to develop costs		YES					
(c) Pe	rcent Complete as of Jan 01		1 %					
• (d) Da	te 35% Designed		12-OCT-01					
(e) Da	te Design Complete		14-JUN-02					
(f) Ene	rgy Study/Life-Cycle analysis was/will be performed		NO					
(2) Basis:								
(a) Sta	ndard of Definitive Design -		NO					
(b) Wh	ere Design Was Most Recently Used -							
(3) Total C	cost (c) = (a) + (b) or(d) + (e):		(\$000)					
(a) Pro	duction of Plans and Specifications		1,140					
(b) All	Other Design Costs		570					
(c) Tot	al		1,710					
(d) Co	ntract		1,425					
(e) In-l	nouse		285					
(4) Constru	ction Contract Award Date		02 Jul					
(5) Constru	uction Start		02 Sep					
(6) Constru	iction Completion		04 Oct					
* Indicates which is co cost and ex	completion of Project Definition with Parametric Cost Estimate mparable to traditional 35% design to ensure valid scope and ecutability.	Э						
b. Equipment ass appropriations:	ciated with this project will be provided from other N/A							

1. COMPONENT AIR FORCE	FY2	FY2002 MILITARY CONSTRUCTION PROGRAM 2. DATE (computer generated) 2. DATE							<u> </u>	
3. INSTALLATION AND LOCATION 4. COMMAND 5. AREA CONST								A CONST		
ANDERSEN AIR FORCE BASE, GUAM PACIFIC AIR FORCES							COST	INDEX		
1.99								1.99		
-6. PERSONNEL	PER				STUDE	NTS		SUPPO	ORTED	-
STRENGTH	OFF	FNI	CIV	OFF	FNI	CIV	OFF	FNI	CIV	TOTAL
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. IN	VENTOR	Y DATA	\$(000)				
a. Total Acreage		11,050)							
b. Inventory Totals a	is of: 30	Sep 00							417.918	
c. Authorization Not	Yet In Inv	ventory:							6,633	
d. Authorization Req	juested In	i this Prog	yram:						10,150	
e. Authorization Inclu	uded In F	ollowing F	Program	: (FY200	3)				0	
f. Planned in Next Fo	our Progra	am Years	:						29.900	
a. Remainina Deficie	ency:								115,000	-
h. Grand Total:									579.601	
8. Projects Requested in this Program: FY2002										
CATEGORY)JECT TI	TLE			S	COPE		\$(000)	START	CMP
442-758 AEF B	442-758 AFE Bomber FOL War Reserve Material Facility 2.323 SM \$4.550 TURN KFY							N KEY		
730-835 Replac	e Securit	y Forces	Operatio	ons	,,,,,,,, .	1,250	SM	\$5,600	TUR	N KEY
			•				Total \$	10,150		
9a. Future Proiects: I	ncluded i	n the Foll	owina P	rogram: (=Y2003)	N	o Projects			
9b Future Projects:]	Evoically I	Planned N	lext Fou	r Years			,			
740-674 Replac	e Fitness	Center		i i ouro		5,051	SM	\$14,900		
841-165 On Bas	se Water	Supply Sv	ystem			1	LS	\$15,000		
9c. Real Property Ma	aintenanc	e Backloc	ם This In	stallation					58	
10. Mission or Major	Function	s: A host	air base	e wing sup	porting H	leadqua	rters, Thir	teenth Air	r Force whi	ich is
responsible to PACA	F to plan,	execute a	and cont	trol aerosp	ace oper	ations t	hroughout	the Sout	hwest Pac	ific and
Indian Ocean areas o	or respons	sidility.		ficionales:						
a Air pollution	luon anu s	salely (Oc	SHA) uei	nciencies.					•	
h Water pollution	• •								0	
	D. Water political Sefety and Lealth									
d. Other Environmental										
a. Other Environmental										

1 COMPONENT								
AIR FORCE (computer generated)								
3. INSTALLATION AND LOCATION 4. PROJECT TITLE								
ANDERSEN AFB, GUAM AEF BOMBER FOL WAR RESERVE MATERIAL								
5. PROGRAM ELEMEN	6. CATEGORY CODE	JECT NUMBER 8. PROJECT COST (\$000)						
28031	442-758	AJ	JY023	102		4.550		
9. COST ESTIMATES								
	ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)		
AEF BOMBER FOL WRM	FACILITY		LS			3.217		
BASE SUPPLIES & EQU	IP WHSE		SM	2,323	1,367	(3,176		
ANTITERRORISM FORC	E 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	ON & OVERHEAD (6.5 %)					278		
TOTAL REQUEST						4,549		
TOTAL REQUEST (ROUND	DED)					4,550		
IO. Description of Proposed oof system. Utilities, HVAC oilets, equipment room, pay yphoon winds. Antiterrorism	I Construction: Reinforced of w/ controls, lighting and elevements and all necessary so force protection measures	concrete ectrical, support f commer	found and fin acilitie nsurat	ation, floor ar re protection. s. Design to s e with require	nd frame, CMU Includes stora Seismic Zone 4 ments.	walls, built-up ge, offices, 1 and 170MPH		
11. REQUIREMENT: 11 ,1	57 SM ADEQUATE: SM S	SUBSTA	NDAF	RD: 3,956 SN	1			
PROJECT: Construct a wa	r reserve materiel (WRM) st	torage fa	cility.	(New Mission)			
<u>REQUIREMENT</u> : An adequate storage facility to protect new WRM vehicles and equipment pre-positioned for mplementation 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 apid 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.								
<u>CURRENT SITUATION</u> : In Jul 99, Andersen was tasked to provide AEF support which includes storage of WRM assets that will arrive in FYOO through FY02. There are no adequate WRM storage facilities to meet this 'equirement. Existing WRM assets are being stored in aircraft hangars, needed for contingencies/excercises, 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 he new assets until permanent facilities are constructed.								
<u>MPACT IF NOT PROVIDED</u> : Existing lack of facilities will continue to cause essential WRM vehicles/equipment o deteriorate by being exposed to the elements and consequential corrosion, dry rot, mold and mildew and fevastating typhoons. WRM assets stored throughout the base will cause accountability problems. Storage and naintenance of critical WRM assets will become an increasing problem and further adversely impact mission apability at this strategic forward located base.								
<u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of reasonable options for satisfying this requirement indicates that only								

1. COMPONENT	FY 2002 MILITARY CONSTRUCTION PROJECT DATA 2. DATE							
AIR FORCE	(computer generated)							
3. INSTALLATION AND LOCATION 4. PROJECT TITLE ANDERSEN AFB, GUAM AEF BOMBER FOL WAR RESERVE MATERIAL FACILITY								
5. PROGRAM ELEMENT	6. CATEGORY CODE 7. P	ROJECT NUMBER 8.	PROJECT COST (\$000)					
28031	442-758	AJJY023102	4,550					
28031 one option will meet missi of exemption has been pr Facility: 2,323 SM = 24,99	442-758 on needs. Therefore, a complete epared. BASE CIVIL ENGINEER 5 SF. Design build design cost (4	AJJY023102 economic analysis was not to Lt Col Eunice, (671) 366- by of subtotal) \$162,760.	4,550 performed. A certificate 7101. WRM Storage					

1. COMPONENT	FY 2002 MILITARY CONSTRUCTION PROJECT DATA		2. DATE				
AIR FORCE	(computer generated)						
3. INSTALLATION AND LOCATION							
ANDERSEN AFB,	GUAM						
4. PROJECT TITLE	5. PROJECT NUMBER						
AEF BOMBER FOL	WAR RESERVE MATERIAL FACILITY		AJJY023102				
12. SUPPLEMEN	NTAL DATA:	Desig	in Build				
a. Estimated Design Data:							
(1) Projec	t to be accomplished by design-build procedures						
(2) Basis:							
(2) Babis: (a) Sta	andard of Definitive Design		NO				
(b) W	nere Design Was Most Recently Used -						
(0)			100				
(3) Desigr	Allowance		182				
(4) Constr	uction Contract Award Date		01 Dec				
(5) Constr	uction Start		02 Mar				
(6) Constr	uction Completion		03 Jun				
(7) Energy	Study/Life-Cycle analysis was/will be performed		YES				
			-				
b. Equipment ass	sociated with this project will be provided from other						
appropriations:	N/A						

1 COMPONENT EX 200	2 MILITARY CONSTRUCT							
AIR FORCE (computer generated)								
AIRTOROE								
3. INSTALLATION AND	D LOCATION 4. I SE GUAM				PERATIONS			
					ERAHONO			
5. PROGRAM ELEMENT	 CATEGORY CODE 7. 	PROJEC	T NUMBER	8. PROJECT	T COST (\$000)			
22176	730-835	AJJY891	103		5,600			
	9. COST ES	TIMATES	-	<u> </u>				
	ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)			
SECURITY FORCES OPERA	ATIONS FACILITY	LS			3.640			
SECURITY FORCES OPE	RATIONS	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 PROTECT	ON SYSTEMS	LS			(100)			
COMMUNICATIONS SUPP	PORT	LS			(125)			
DEMOLITION / ASBESTOS	3	SM	659	152	(100)			
CONTAMINATED SOIL RE	MEDIATION	LS			(200)			
SUBTOTAL					5,025			
CONTINGENCY (5.0%)					251			
TOTAL CONTRACT COST					5,276			
SUPERVISION, INSPECTIO	N & OVERHEAD (6.5 %)				343			
TOTAL REQUEST					5,619			
TOTAL REQUEST (ROUNDE	D)				5,600			
10. Description of Proposed deck, fire protection, commun confinement, guardmount, qu development/utilities to suppo Air Conditioning: 60 KW	Construction: Reinforced conc nications. Includes Pass and IE ality and central control, armor ort. Antiterrorism/Force Protect	rete found), security ry, classroo tion and b	ation, slab floo and law enfore oms and all ne ackup power.	or, masonry w cement, inves ecessary site Demolish 2	valls and roof tigations, buildings.			
11. REQUIREMENT: 1,250	SM ADEQUATE: SM SUBS	TANDARD	D: 1,339 SM					
PROJECT: Construct a secu	rity forces operations facility. (Current M	ission)					
<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.								
operations during natural disasters. <u>CURRENT SITUATION</u> : Security forces functions are widely scattered aound the base in three separate acilities. The existing facilities are 25 to 40 years old, and wear and tear from numerous typhoons and arthquakes 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 Foward Operating Location personnel during contingencies. All facilities are poorly configured for security forces and mechanical systems are outdated and cannot be economically ungraded to meet								
1. COMPONENT	FY 2002 MILITARY CONSTRUCTION PROJECT DATA 2. DATE							
--	--	--	--	--	--	--	--	--
AIR FORCE		(compu	ter generated)					
3. INSTALLATION ANDERSEN AIR F	AND LOC ORCE BAS	CATION SE, GUAM	4. PROJECT TITLE REPLACE SECURIT	Y FORCES C	PERATIONS			
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJEC	CT COST (\$000)			
22176		730-835	AJJY891103	891103 5,600				
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.								
IMPACT IF NOT PROVIDED: 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.								
has been prepared in accordance with Forces Operations	s. Therefor . This proj local threa Facility, 1,2	re, a complete economic ect demolishes two buildi at assessment. BASE CIV 250 SM = 13,450 SF. Bui	analysis was not performed ngs. Antiterrorism/Force Pr /IL ENGINEER: Lt Col Eide Iding demolition 659 SM.	d. A certification dection facilities, 671-366-7	e of exception ty features will be 101. Security			

 3. INSTALLATION AND LOCATION ANDERSEN AIR FORCE BASE, GUAM 4. PROJECT TITLE REPLACE SECURITY FORCES OPERATIONS 12. SUPPLEMENTAL DATA: Detain a structure as a structure of the structu	2. DATE		
ANDERSEN AIR FORCE BASE, GUAM 4. PROJECT TITLE REPLACE SECURITY FORCES OPERATIONS 12. SUPPLEMENTAL DATA: Design a. Estimated Design Data: (1) Project to be accomplished by design-build procedures (2) Basis: (a) Standard of Definitive Design - (b) Where Design Was Most Recently Used - (3) Design Allowance (4) Construction Contract Award Date (5) Construction Start (6) Construction Completion	1		
 4. PROJECT TITLE REPLACE SECURITY FORCES OPERATIONS 12. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Project to be accomplished by design-build procedures (2) Basis: (a) Standard of Definitive Design - (b) Where Design Was Most Recently Used - (3) Design Allowance (4) Construction Contract Award Date (5) Construction Start (6) Construction Completion 			
REPLACE SECURITY FORCES OPERATIONS 12. SUPPLEMENTAL DATA: Design a. Estimated Design Data: (1) Project to be accomplished by design-build procedures (2) Basis: (a) Standard of Definitive Design - (b) Where Design Was Most Recently Used - (3) Design Allowance (4) Construction Contract Award Date (5) Construction Start (6) Construction Completion (5) Construction Completion	5. PROJECT NUMBER		
 12. SUPPLEMENTAL DATA: Detain a. Estimated Design Data: (1) Project to be accomplished by design-build procedures (2) Basis: (a) Standard of Definitive Design - (b) Where Design Was Most Recently Used - (3) Design Allowance (4) Construction Contract Award Date (5) Construction Start (6) Construction Completion 	AJJY891103		
 a. Estimated Design Data: (1) Project to be accomplished by design-build procedures (2) Basis: (a) Standard of Definitive Design - (b) Where Design Was Most Recently Used - (3) Design Allowance (4) Construction Contract Award Date (5) Construction Start (6) Construction Completion 	sian Build		
 (1) Project to be accomplished by design-build procedures (2) Basis: (a) Standard of Definitive Design - (b) Where Design Was Most Recently Used - (3) Design Allowance (4) Construction Contract Award Date (5) Construction Start (6) Construction Completion 			
 (1) Project to be accomplished by design-build procedules (2) Basis: (a) Standard of Definitive Design - (b) Where Design Was Most Recently Used - (3) Design Allowance (4) Construction Contract Award Date (5) Construction Start (6) Construction Completion 			
 (a) Standard of Definitive Design - (b) Where Design Was Most Recently Used - (3) Design Allowance (4) Construction Contract Award Date (5) Construction Start (6) Construction Completion 			
 (b) Where Design Was Most Recently Used - (3) Design Allowance (4) Construction Contract Award Date (5) Construction Start (6) Construction Completion 	NO		
 (3) Design Allowance (4) Construction Contract Award Date (5) Construction Start (6) Construction Completion 			
 (4) Construction Contract Award Date (5) Construction Start (6) Construction Completion 	224		
(5) Construction Start(6) Construction Completion	02 Aug		
(6) Construction Completion	02 Sep		
	04 May		
(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	FY2	FY2002 MILITARY CONSTRUCTION PROGRAM 2. DATE (computer generated)								
3. INSTALLATION	AND LOC	ATION		4. COMM	IAND				5. AREA	
AVIANO AIR BASE, ITALY UNITED STATES AIR FORCES IN EUROPE									1.3	
6. PERSONNEL	PEF	MANENT			STUDE	ITS		SUPPC	DRTED	
STRENGTH	OFF	FNL	CIV	OFF	FNI	CIV	OFF	FNI	CIV	TOTAL
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. II	VENTOR	Y DATA S	\$(000)				
a. Total Acreage		1,199	1							
b. Inventory Totals	as of: 30	Sep 00							50.314	
c. Authorization Not	Yet In Inv	/entorv:							15,535	
d. Authorization Re	quested Ir	this Prog	ram:						11,800	
e. Authorization Inc	luded In	Following	Program	n: (FY200	3)				0	
f. Planned in Next Four Program Years:									17.433	
h. Grand Total	ency.								1/5 563	-
n. Grand Total: 145,563										
CATECORY		Piografii.	F12002					COST	DESIGN	STATUS
CODE PRO	ОЈЕСТ ТІ	TLE			SC	OPE		\$(OOO)	START	CMP
171-475 Indoor	· Firing Ra	inge				1,483	SM	\$3,600	TUR	N KEY
721-312 Dormi	tory					102	RM	\$8,200	Jun 01	JUL 01
							Total S	\$11,800		
9a. Future Projects:	Included i	n the Follo	owing P	rogram: (F	Y2003)	Ν	lo Project	S		
9b. Future Projects:	Typically I	Planned N	lext Fou	r Years						
216-642 Muniti	ons Maint	enance &	Inspecti	ion Facility		2,048	SM	\$4,693		
442-758 Air Co	ntrol Squa	adron War	ehouse			2,120	SM	\$3,780		
721-312 Dormit	tory					102	RM	\$8,960		
9c. Real Property M	aintenanc	e Backlog	This In	stallation					69	
10. Mission or Major forces in support of (r Function	s: A host <u>ON JOINT</u>	fighter w GUARI	ving suppo DIAN and I	rting two headquar	F-I 6 so ters Six	quadrons, <u>teenth Ai</u> i	multiservi	ice/multina	ational
11. Outstanding poll	ution and	safety (OS	SHA) de	ficiencies:						
a. Air pollution									0	
b. Water pollutio	n								0	
c. Occupational	Safety and	d Health							0	
d. Other Environ	d. Other Environmental 0									

AIR FORCE	erated)						
3. INSTALLATION AND LOCATION	4	. PROJ	PROJECT TITLE				
AVIANO AIR BASE, ITALY	AVIANO AIR BASE, ITALY D						
5. PROGRAM ELEMENT 6. CATEG	GORY CODE 7. PRO	DJECT	NUMBER	8. PROJEC	T COST (\$000)		
27596 72	21-312 AS	HE013	003B		8.200		
	ATES						
ITEM		U/M	QUANTITY	COST	, (\$000)		
DORMITORY (102 RM)		LS			6,273		
DORMITORY		SM	3.396	1,820	0 (6,181		
ANTITERRORISM/FORCE PROTECT	ION	LS			(92)		
SUPPORTING FACILITIES UTILITIES		LS			1,050 (500		
SITE IMPROVEMENTS		LS			(200		
PAVEMENTS		LS			(350)		
SUBTOTAL					7,323		
CONTINGENCY (5.0%)					366		
TOTAL CONTRACT COST SUPERVISION, INSPECTION & OVERH	IEAD(6.5 %)				7,689 500		
TOTAL REQUEST					8,189		
TOTAL REQUEST (ROUNDED)					8,200		
FCF Budaet Rate used: European Con	nmunity Euro 1.196						
10. Description of Proposed Construction pitched tile roofs. Includes room-bath-roo protection, parking lot, and associated sit stand-off construction, reinforced walls, a Air Conditioning: 120 KW Grade M	n: Reinforced concrete om modules, laundries te improvements. For nd exterior lighting. lix: 102 El -E4 .	e found s, storaç ce prote	ation and floc ge, lounge are ection measu	or slabs, maso eas, utilities, res include la	onry walls and HVAC, fire minated glass,		
11. REQUIREMENT: 1,192 RM ADEQU	JATE: 128 RM SUB	STAND	ARD: 276 R	M			
PROJECT: Construct dormitory. (Current	t Mission)						
<u>REQUIREMENT:</u> A major Air Force ob conducive to their proper rest, relaxation, providing some degree of individual priva complicated and important jobs these per essential to our readiness posture and co to comply with DoD interim minimum forc	jective provides unac and personal well-be cy are essential to th ople must perform. Th ontinuing world-wide p e protection standard	compar ing. Pr e succe ne reter resence s and w	nied enlisted p roperly design essful accomp ntion of these e. Antiterroris <i>v</i> ith local requ	personnel with ed and furnis lishment of th highly trained m/force prote irements.	n housing shed quarters ne increasingly d airmen is ction measures		
CURRENT SITUATION: The base has in enlisted personnel. This project is in acco	nsufficient on-base ho ordance with the Air F	ousing t orce Do	o accommoda ormitory Maste	ate the unacc er Plan.	ompanied		
IMPACT IF NOT PROVIDED: Adequate li will not be available, resulting in degradat enlisted personnel.	iving quarters which p tion of morale, produc	orovide ctivity, a	a level of priv Ind career sat	acy required isfaction for ι	for today's airmen inaccompanied		
ADDITIONAL: This project is not eligit Commission approval and will be designe project meets the scope/criteria specified one," established by OSD. All known alte preliminary analysis of reasonable options requirements. Therefore, no economic an Conducted: FY99 =\$2,649K; FYOO = \$2	ble for NATO funding ad and constructed to in the new uniform be rrnatives were conside s was done and indic nalysis was needed o 38K. Future Unaccom	. This p meet th arracks ered du ates on r perfor panied	roject will req ne stricter of l construction s ring the devel ly one option med. Unacco Housing RPM	uire US/Italiai talian and US standard, kno lopment of th meets operat mpanied Hou I Requiremen	n Mixed S standards. This wwn as "one-plus- is project. A tional sing RPM its (Estimated):		

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

1. COMPONENT	FY 2002 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
AIR FORCE	(computer generated)		
3. INSTALLATION	AND LOCATION		
AVIANO AIR BASE	, ITALY		
4. PROJECT TITLE		5. PF	ROJECT NUMBER
		A	SHE013003B
12. SUPPLEMEN	NTAL DATA: Desi	gn, Bi	d, Build
a. Estimated	I Design Data:		
(1) Status			05 km 01
(a) Da	te Design Started		25-Jun-01
(b) Pa	rametric Cost Estimates used to develop costs		YES
. (c) Pe	rcent Complete as of Jan 01		15 %
. (d) Da	te 35% Designed.		15-SEP-00
(e) Da	te Design Complete		31-JUL-01
(f) Ene	ergy Study/Life-Cycle analysis was/will be performed		YES
(2) Basis:			
(a) Sta		YES	
(b) Wł	nere Design Was Most Recently Used -		AVIANO
(3) Total C	Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Pro	oduction of Plans and Specifications		492
(b) All	Other Design Costs		246
(c) To	tal		738
(d) Co	ontract		615
(e) In-	house		123
(4) Constru	uction Contract Award Date		01 Dec
(5) Constr	uction Start		02 Feb
(6) Constr	uction Completion		04 Jul
 Indicates which is concept cost and example. 	completion of Project Definition with Parametric Cost Estimate omparable to traditional 35% design to ensure valid scope and xecutability.	Э	
b. Equipment ass appropriations:	ociated with this project will be provided from other N/A		

1. COMPONENT	PMPONENT FY 2002 MILITARY CONSTRUCTION PROJECT DATA 2. DATE							
AIR FORCE	R FORCE (computer generated)							
3. INSTALLATION AND LOCATION 4. PROJECT TITLE AVIANO AIR BASE, ITALY INDOOR FIRING RANGE								
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8							T COST (\$000)	
27596		171-475	ASI	HE013	3004		3,600	
		9. COS	T ESTIMA	TES				
ITEM				U/M	QUANTITY	UNIT COST	COST (\$000)	
INDOOR FIRING R	ANGE			SM	1,483	1,18	0 1,750	
SUPPORTING FAC	ILITIES			LS			1,486 (245	
PAVEMENTS				LS			(64	
SITE IMPROVEN	IENTS			LS			(87	
DEMOLITION				SM	1,175	76	(89	
ENVIRONMENT	AL REMED	NATION		LS			(1,001)	
SUBTOTAL							3,236	
CONTINGENCY (5.0%)						162	
TOTAL CONTRACT	COST						3,398	
SUPERVISION, INS	SPECTION	& OVERHEAD (6.5 %)				221	
TOTAL REQUEST							3,619	
TOTAL REQUEST	(ROUNDE	D)					3,600	
FCF Budget Rate	used: Euro	opean Community Euro	1.196					
10. Description of F loor slabs, steel rei system. Includes all (1,175 SM).	Proposed (Inforced co utilities, fi	Construction: A single-sto ncrete building with masc ire protection, sitework, p	ry facility onry walls oavement	with and s, and	steel reinforc stucco finish, d communica	ed concrete fo and a sloped tions. Demolis	oundation and clay tile roof h four buildings	
Air Conditioning: 30) KW							
11. REQUIREMEN	T: 1,483 \$	SM ADEQUATE: SM SL	JBSTAN	DARD	: 1 ,175 SM			
PROJECT: Constru	uct an indo	oor firing range (Current N	lission).					
REQUIREMENT: raining to assigned administration area enclosed, safe envir	An adequa personnel will suppor onment.	ate facility is required to p . A 21 -port baffled firing rt training in 9mm/.38 cali	provide n range wit ber pistol	nanda th a 25 I, 5.5n	tory small arr 5 meter target n m rifle, and 7	ns qualificatior t line, classroo 7.62mm mach	າ and proficiency m, and ine gun in an	
CURRENT SITUAT ncluding all assigne 25% increase in FY and the supporting f hat accompanied th acilities and weapo classroom and the r rapors. The indoor f Aviano by allowing o costly lead mining o	<u>ION:</u> The ad US militi 97 training acility are the beddow ns mainter naintenance acility will qualification f the backs tts, presen oor range fety criteria onsiderato	existing firing range and any personnel and US per requirements for a facilit too small and are inadeq in of the two F-I 6 squadr hance is performed in a ra- ce shop lack both adequa support vigorous schedul in training at all hours of t stop will be eliminated. The ts serious safety concern completely eliminates this a. The 31st Fighter Wing' ons.	support f ersonnel y that on uate to a ons at A' non-heate the heat a le require the day v he contin s. The fa s threat. 's safety	acility from g accomp viano. ad oute and a ements vithout ued e acility i The c office	are used to t geographically rved 2,652 pe plish the Wing The existing door metal sh ventilation sys s due to the l t weather can rosion of the is surrounded urrent facility r recommend	rain 3,500 per separated un rsonnel. Both g's new missic firing range ha ied adjacent to stem for remo- nigh operations. cellations. In a backstop, con by a variety o is also in viola s this facility b	sonnel annually, its. This is a the firing range on requirements as no latrine to the range. The val of solvent s tempo at addition, the abined with the of personnel ation of explosive be relocated due	

1. COMPONENT		FY 2002 MILITARY CON	ISTRUCTION PROJECT DA	ATA 2. DATE				
AIR FORCE		(computer generated)						
3. INSTALLATION	AND LOC	ATION	4. PROJECT TITLE	I				
AVIANO AIR BASE	, ITALY		INDOOR FIRING RA	NGE				
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)				
27596		171-475	ASHE013004	3,600				
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.								
ADDITIONAL: T Requirements." This criteria which does economic analysis h new construction, a project. Base Civil I	his project s project w not suppor nas been p nd leasing. Engineer: I	meets the criteria/scope as previously submitted f t base personnel training repared comparing the a New construction was fr _t Col Mark Correl, 01 I-3	specified in Air Force Hand for NATO funding considera g requirements, considering alternatives of status quo, re ound to be the most cost ef 39-434-66-7500. Firing rang	dbook 32-1084, "Facility tion, but denied due to NATO them a host responsibility. An enovation, upgrade/removal, ficient over the life of the ge: 1,483 SM = 15,957 SF.				

I. COMPONENT	FY 2002 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
AIR FORCE	(computer generated)		
3. INSTALLATION	AND LOCATION		
AVIANO AIR BASE	, ITALY		
I. PROJECT TITLE		5. P	ROJECT NUMBER
NDOOR FIRING R		ASHE013004	
		. .	_
12. SUPPLEMEN	Design	Build	
a. Estimated	d Design Data:		
(1) Projec	t to be accomplished by design-build procedures		
(2) Basis:			
(2) 200101 (a) Sta	andard of Definitive Design -		NO
(b) W	nere Design Was Most Recently Used -		-
	, , , , , , , , , , , , , , , , , , ,		1 / /
(3) Desigr	Allowance		144
(4) Constr	uction Contract Award Date		01 Nov
(5) Constr		02 Jan	
(6) Constr		04 Mar	
(7) Energy	Study/Life-Cycle analysis was/will be performed		YES
b. Equipment as	sociated with this project will be provided from other		
appropriations:	N/A		

1. COMPONENT AIR FORCE	FY2	002	MILITAI (compu	RY CONS Iter gener	TRUCTIC ated)	N PROC	GRAM		2. DATE	
3. INSTALLATION A	3. INSTALLATION AND LOCATION 4. COMMAND 5. AREA CONST									CONST
KUNSAN AIR BASE, KOREA PACIFIC AIR FORCES									COST	INDEX
1.13									1.13	
6. PERSONNEL	L PERMANENT STUDENTS SUPPO						RTED	_		
STRENGTH	OFF	ENI	CIV OFF ENI CIV OFF FNI				CIV	TOTAL		
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. IN	VENTOR	Y DATA	6(000)				
a. Total Acreage		2,557	,							
b. Inventory Totals a	as of: 30	Sep 00							247.635	
c. Authorization Not	Yet In Inv	ventorv:							28,080	
d. Authorization Req	uested Ir	n this Prog	ram:						12,000	
e. Authorization Inclu	uded In F	ollowing F	Program:	(FY200	3)				0	
f. Planned in Next Four Program Years: 17,767										
q. Remainina Deficie	encv:								80,000	-
h. Grand Total:									385,482	ł
8. Projects Requeste	ed in this	Program:	FY2002					COST	DESIGN	STATUS
	LIFCT TI	TIF			SC	OPE		\$(000)	START	CMP
740-674 Add/Alt	ter Fitnes	s Center				5.556 \$	SM \$	¢(000)	TUR	N KFY
						-,	Total \$	12,000		
Qa Future Projects: I	ncluded i	n the Foll	owing P	rogram: (F	- Y2003)	No	Projects			
9b. Future Projects: 1		Planned N	levt Fou	r Voore	,	110	1 10,0010			
721-312 Dormite	orv			i ieais		100 F	RM	\$7,567		
740-674 Physica	al Fitness	Center				5,556 \$	SM :	\$10,200		
9c Real Property Ma	aintenanc	e Backloo	This In	stallation					116	
10 Mission or Major	Function	s: The ho	st fighter	r wing sup	norts two	E-16 so	uadrons	A joint us	e agreem	ent with
Korea permits use of	the runw	ay by Kor	ean civil	air carrier	<u>S.</u>				le agreen	
11. Outstanding pollu	ition and	safety (Os	SHA) de	ficiencies:						
a. Air pollution									0	
b. Water pollution	۱								0	
c. Occupational S	Safety and	d Health							0	
d. Other Environmental 0										

1. COMPONENT FY 2002 MILITARY CONSTRUCTION PROJECT DATA 2. DATE							. DATE			
AIR FORCE (computer generated)										
3. INSTALLATION AND	3. INSTALLATION AND LOCATION 4.						PROJECT TITLE			
KUNSAN AIR BASE, K	OREA	(REPUBLIC OF)	DD/AL	DD/ALTER FITNESS CENTER						
5. PROGRAM ELEMEN	5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PRO						COST (\$000)			
22176		740-674	ML	WR033	3125		12,000			
		9. COS	I ESTIM	ATES			COST			
		TEM		U/M	QUANTITY	COST	(\$000)			
FITNESS CENTER				SM	5,556	1,514	8,295			
SPECIAL STRUCTUR	AL IN	PROVEMENTS FOR A	ſ/FP	SM	5,556	70	(387			
FITNESS CENTER F	ACILI	TY		SM	5,556	1,418	(7,878			
BUILDING INFORMA	TION	SYSTEM		LS			(30			
SUPPORTING FACILIT	IES						2,381			
UTILITIES				LS			(471			
PAVEMENTS	_			LS			(45			
SITE IMPROVEMENT	S			LS			(350			
SITE PREPARATION					F 475	77	(380			
RELOCATE FOUTBA				SM	5,175	11	(400			
							(205			
							(120			
							(000			
	D/)					1	10,676			
TOTAL CONTRACT (5.0	/0) 0T						11 210			
SUPERVISION, INSPE		N &OVERHEAD(6.5 %)				729			
FOTAL REQUEST							11,939			
FOTAL REQUEST (RO	UNDE	D)					12,000			
CF Budget Rate used	: Kor	ea Won 1,349.5								
IO. Description of Propo protection system, utilitie point, admin/support are racquetball courts, streto Air Conditioning: 880 K	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 point, admin/support area, gymnasium, group exercise room, cardiovascular room, resistance training room, four acquetball courts, stretching area, general storage, male/female latrines/showers, health and wellness center.									
11. REQUIREMENT: 5	,556	SM ADEQUATE: SM S	UBSTAI	NDAR	D: 2,824 SM					
PROJECT: Construct a	fitnes	ss center with health and	wellnes	s cente	er. (Current M	ission)				
REQUIREMENT: 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 acility to maintain/improve the health and well-being of assigned military personnel at this unaccompanied, solated and remote location. This is a major personnel quality of life and retention requirement.						e infrastructure sical fitness mpanied,				
CURRENT SITUATION: athletic and physical fitm acility is heavily used ar with the USAF Fitness F acility with HAWC, howe The fitness center is a n personnel serve unacco	The ess p nd has acilitie ever th ecess mpani	present fitness facility, co rograms and is in constant only 50 percent of the a solution of the solution of t	onstructe nt need authorize Air Bas 2,824 SI ss outlet e hub fo	ed in 19 of repa d spac e is au M (2,52 at this r varsit	963, is too sm ir, renovation, e for the base thorized 5,556 27 SM for Fitne s isolated and y and intramu	all to conduct a and expansion population. In SM for the fitt ess and 297 SI remote location ral sports, and	adequate n. The current n accordance ness center M for HAWC). n, where instructional			

1. COMPONENT	DMPONENT FY 2002 MILITARY CONSTRUCTION PROJECT DATA 2. DATE							
AIR FORCE	l	(compu	ter generate	ed)				
3. INSTALLATION	AND LOC	CATION	4. PR	OJECT TITLE				
KUNSAN AIR BASI	E, KOREA	(REPUBLIC OF)	ADD/A	ALTER FITNES	S CENTER			
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7. PROJEC	CT NUMBER	8. PROJE	CT COST (\$000)		
22176		740-674	MLWR	-WR033125 12,000				
and independent ex still exceeds capaci periods. Despite the courts, showers, an who are forced to re undersized and poor and cooling requirer additions and varied to six months out of out of the year.	ercise pro ty. The ex suse of a d the free eturn later rrly ventilat ments for a d roof heig f the year.	grams. Even though the disting weight-training area waiting list and optimum weight area. Due to lack when the facility is less of ted. The existing HVAC s a facility this size. Roof lethts. There is no indoor s Off base facilities are not	existing fitne a is crowded scheduling, of space, ci rowded. The system is un- eak problem wimming poo a available an	ss center is ope and poorly des Wolf Pack airme rowded condition a aerobic area a dersized, unrelia s plague this fac ol and the local and the outdoor p	en 18 hours a signed, causin en are forced ns turn away nd latrine/sho bble and cann cility due to n climate limits pool is only o	a day, the demand ng long waiting I to wait to use many patrons owers are not meet heating numerous s outdoor activities pen four months		
IMPACT IF NOT PF providing a satisfact retention, and readi training periods. The programs, upgrade	<u>ROVIDED:</u> ory facility ness. Only e major de fitness equ	Kunsan AB fitness cente for fitness activities which three of thirteen squadro ficiencies at the Kunsan uipment, and sustain a m	r will continu h has a dire ons can use fitness cente ission ready	te to be overcro ct adverse impa the fitness cente er seriously hind force to meet th	wded and ind ct on person er at one time er the ability ne wing's thre	capable of nel quality of life, e for phisical to provide fitness eat.		
ADDITIONAL: T Requirements," and Air Force Fitness C host nation funding projects must be fur location. Antiterror ENGINEER: Lt Col	his project Air Force enter Mast level cann nded with ism/force (Brown, 01	meets the scope/criteria Fitness Center Master P ter Plan. This project is e ot satisfy all requirements MILCON to provide our p protection features will be I-82-654-470-5400. Fitn	specified in lan criteria. ligible for ho in a reason ersonnel a r in accordar ess Center:	Air Force Hand This project is th st-nation fundin able time. Some easonable envir nce with local th 5,556 SM = 59,	book 32-108 he number or g. However, e mission and onment at thi reat assessn 783 SF.	4, "Facility ne priority in the the \$30M annual d quality of life is remote nent. BASE CIVIL		

1. COMPONENT FY 2002 MILITARY CONSTRUCTION PROJECT DATA 2. DATE								
AIR FORCE								
3. INSTALLATION AND LOCATION								
KUNSAN AIR BASE, KOREA (REPUBLIC OF)								
4. PROJECT TITLE			5. PR	OJECT NUMBER				
ADD/ALTER FITNE	SS CENTER		Μ	LWR033125				
12. SUPPLEMENTAL DATA: Design Build								
a. Estimated Design Data:								
(1) Draine	t to be accomplished by design build presedures.							
(1) Projec	t to be accomplished by design-build procedures							
(2) Basis:	andard of Definitive Design			VEO				
(a) Sta (b) W/	andard of Definitive Design -			teo				
(6) 10	There Design was most recently Used -		55 CE	iter Design Gui				
(3) Desigr	Allowance			480				
(4) Constr	uction Contract Award Date			02 Aug				
(5) Constr	uction Start			02 Oct				
(6) Constr	uction Completion			05 Jan				
(7) Energy	v Study/Life-Cycle analysis was/will be performed			YES				
b. Equipment ass	sociated with this project will be provided from othe	er						
appropriations:	N/A							

1. COMPONENT AIR FORCE	FY2002	MILITA (compu	RY CONS	TRUCTIC ated)	ON PRO	OGRAM		2. DATE		
3. INSTALLATION AND LOCATION 4. COMMAND							5. AREA	CONST		
OSAN AIR BASE, KOREA PACIFIC AIR FORCES							COST	INDEX		
									1.12	
6. PERSONNEL P	ERMAN	ENT	SТU	DE	N T	SS U	<u>P P O F</u>	<u>TED</u>		
STRENGTH	OFF FNL	CIV	OFF	FNI	CIV	OFF	FNI	CIV	TOTAL	
a. As of 30 Sep 0	0 551 4,493	982				1,08	4 4,838	595	12,543	
b. End FY 2005	552 4,489	977				1,084	4,838	595	12,535	
		7. II	VENTOR	Y DATA	\$(000)					
a. Total Acreage	1,77	7								
b. Inventory Totals as	of: 30 Sep 00							401.219		
c. Authorization Not Ye	et In Inventory:							43,746		
d. Authorization Reque	ested In this Prog	gram:						101,142		
e. Authorization Includ	led In Following	Program	n: (FY200	3)				14,400		
f. Planned in Next Fou	r Program Years	:						0		
g. Remainina Deficienc	cv:							226,000	-	
h. Grand Total:								786,507		
8. Projects Requested	in this Program:	FY2002					COST	DESIGN	STATUS	
CATEGORY CODE PROJE	ECT TITLE			SC	OPE		\$(000)	START	CMP	
214-425 Vehicle N	Vaintenance Fac	cilit∨			8,274	SM	\$17,317	MAR 00	SEP 01	
2 19-944 Replace	Base Civil Engir	neer Com	nolex		22,956	SM	\$36,000	JUL 01	JUN 02	
610-121 Replace	Vehicle Ops Cor	ntrol/Adn	nin Fac		830	SM	\$2,000	Jun 01	Apr 02	
610-142 Replace	Traffic Managen	nent Fac	ility		4,083	SM	\$5,925	JUN 01	MAY 02	
721-312 Dormitory	y (156 RM)		-		156	RM	\$15,800	Aug 01	Apr 02	
721-312 Dormitory	<i>,</i>				156	RM	\$14,400	MAR 00	SEP 01	
724-415 Officer D	ormitory				69	RM	\$9.700	APR 00	SEP 01	
						Total	\$101,142			
9a, Future Projects: Inc	luded in the Fol	lowing P	rogram: (FY2003)						
721-312 Dormitory	/	U	U		156	RM	\$14,400			
121012 2000000	'					Total	\$14,400	_		
9b. Future Projects: Typ	bically Planned N	Vext Fou	r Years	No Proj	ects		• •• , • • •			
9c. Real Property Main	tenance Backloc	n This In	stallation	·				38		
10 Mission or Major Fi	Inctions: A host	fighter w	ing suppo	rting a F-	l 6 squa	adron and	an A/0A -	10 squadro	on:	
Headquarters Seventh	Air Force; a spe	cial oper	ations squ	adron wit	h MH-5	3J aircra	ft; a civil er	ngineering	heavy	
repair squadron (RED I	repair squadron (RED HORSE); an Air Mobility Command air mobility support squadron; an Air Combat Command									
reconnaissance squadre	on: and an Air Ir	ntelliaenc	e Aaencv	intelliger	ice squa	adron.				
11. Outstanding pollutio	on and safety (O	SHA) de	riciencies:							
								0		
b. vvater pollution								0		
c. Occupational Saf	ety and Health							0		
d. Other Environme	ental							n		

j						
1. COMPONENT FY 2002 AIR FORCE	2 MILITARY CONSTR (compu	RUCTIO ter gene	N PF rated)	ROJECT DA	ТА	2. DATE
3. INSTALLATION AND OSAN AIR BASE, KOREA (RE	LOCATION 4. EPUBLIC OF)	PRC D(JECT DRMIT	TITLE		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PR	OJEC	T NUMBER	8. PROJEC	T COST (\$000)
27596	721-312	SM	YU993	3090		14.400
	9. COST	ESTIMA	TES			,
in	TEM		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 PROTE	CTION/AIR LOCK		LS			(1426)
OTHER ANTITERRORISM	FORCE PROTECTION		SM	5,500	25	(138)
SUPPORTING FACILITIES			19			1,400
PAVEMENTS/SITE IMPROV	VEMENTS					(600)
DEMOLITION/ASBESTOS	ABATEMENT		1.5			(300)
						12 010
CONTINGENCY (5.0%)						646
						13 564
SUPERVISION, INSPECTION	I & OVERHEAD (6.5 %)					882
FOTAL REQUEST						14,446
FOTAL REQUEST (ROUNDED	D)					14,400
-CF Budget Rate used: Kore	ea Won 1.349.5					
IO. Description of Proposed C and roof, masonry walls, splint oom modules, laundries, stora acilities. Other antiterrorism/for Air Conditioning: 400 KW	onstruction: A four-story er and fragment mitigatio age, lounge, air-locks, sec rce protection work to inc Grade Mix: 156 EI-E4	facility v n and cl cured ref clude ligh 1.	vith rei nemica use ro nting a	inforced conci al/biological pr bom, all neces nd setback.	rete foundation otection. Inclu sary site work	n, floor slabs, Ides room-bath- and supporting
11. REQUIREMENT: 5,114 I	RM ADEQUATE: 4,168	RM SU	BSTA	NDARD: RM		
PROJECT: Construct a dormin	tory. (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 providing some readiness posture and continuing world-wide presence. Antiterrorism/force protection measures nust address the highest threat level in the command.						
CURRENT SITUATION: The the inlisted personnel. This project	base has insufficient on-b t is in accordance with th	base hou le Air Fo	ising t rce Do	o accommoda ormitory Maste	te the unacco er Plan.	ompanied
MPACT IF NOT PROVIDED: / vill not be available, resulting i nlisted personnel.	<u>MPACT IF NOT PROVIDED</u> : Adequate living quarters which provide a level of privacy required for today's airmen <i>vill</i> not be available, resulting in degradation of morale, productivity, and career satisfaction for unaccompanied <i>nlisted</i> personnel.					
<u>(DDITIONAL:</u> Project meet stablished by OSD. All known ould meet mission requiremen lousing RPM Conducted: FY9	ts the scope/criteria speci alternatives were considents. Therefore, no econor 8=\$2,248K; FY99=\$2,29	ified in tl dered du mic anal 8K; FY0	ne nev ring d ysis w 0=\$2, ;	v "one-plus-or evelopment of /as needed or 348K; Future	ne" barracks s f this project. performed. U Unaccompani	tandard No other option Inaccompanied ed Housing

1. COMPONENT FY 2002 MILITARY CONSTRUCTION PROJECT DATA 2. DATE							
AIR FORCE (computer generated)							
3. INSTALLATION AND LOCATION 4. PROJECT TITLE							
OSAN AIR BASE, KOREA (REPUBLIC OF) DORMITORY							
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$							
27596	27596 721-312 SMYU993090 14.400						
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							
				ļ			

1. COMPONENT	FY 2002 MILITARY CONSTRUCTION PROJECT DATA		2.	DATE				
AIR FORCE (computer generated)								
3. INSTALLATION AND LOCATION								
OSAN AIR BASE, H	OREA (REPUBLIC OF)							
4. PROJECT TITLE		5. PR	OJEC	CT NUMBER				
DORMITORY		S	MYU9	93090				
12. SUPPLEMEN	NTAL DATA: Desig	gn, Bio	d, Bu	ild				
a. Estimated	I Design Data:							
(1) Status	:							
(a) Da	te Design Started		2	21-MAR-00				
(b) Pa	rametric Cost Estimates used to develop costs			YES				
• (c) Pe	rcent Complete as of Jan 01			15 %				
• (d) Da	ite 35% Designed.		(01 -SEP-00				
(e) Da	te Design Complete		(01 -SEP-01				
(f) Ene	ergy Study/Life-Cycle analysis was/will be performed			YES				
(2) Basis:								
(a) Sta	andard of Definitive Design -			YES				
(b) Wł	ere Design Was Most Recently Used -			OSAN				
(3) Total C	Cost (c) = (a) + (b) or (d) + (e):			(\$000)				
(a) Pro	oduction of Plans and Specifications			864				
(b) All	Other Design Costs			432				
(c) To	tal			1,296				
(d) Cc	ntract			1,080				
(e) In-	house			216				
(4) Constru	uction Contract Award Date			01 Dec				
(5) Constr	uction Start			02 Mar				
(6) Constru	uction Completion			03 Mar				
 Indicates which is co cost and ex 	completion of Project Definition with Parametric Cost Estimate mparable to traditional 35% design to ensure valid scope and kecutability.	;						
b. Equipment ass appropriations:	ociated with this project will be provided from other N/A							

1. COMPONENT FY 2002 MILITARY CONSTRUCTION PROJECT DATA 2. DATE							
AIR FORCE (computer generated)							
3. INSTALLATION AND LO		4. PROJ	PROJECT TITLE				
OSAN AIR BASE, KOREA	(REPUBLIC OF)	DORMIT	ORY (156 RM	/)			
5. PROGRAM ELEMENT	6. CATEGORY CODE 7.	PROJECT	NUMBER	8. PROJECT	COST (\$000)		
22176	721-312	SMYU993	3110		15,800		
	9. COST E	STIMATES	, ——				
	ITEM	U/M	QUANTITY	COST	(\$000)		
DORMITORY (156 RM)		LS			11.938		
ANTITERRORISM/FORC	E PROTECTION	SM	5,460	59	(322;		
COLLECTIVE PROTECT	ION SYSTEM	SM	1,000	2,000	(2,000)		
SPLINTER PROTECTION	N	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/F	REMEDIATION	LS			(150)		
REARRANGE SOFTBALI BLDGS	_ FIELDS/DEMO/REBUILD	LS]	(800)		
SUBTOTAL					14,129		
CONTINGENCY (5.0%)					706		
TOTAL CONTRACT COST SUPERVISION, INSPECTIO	ON & OVERHEAD (6.5 %)				14,836 964		
TOTAL REQUEST					15.800		
TOTAL REQUEST (ROUND	DED)				15,800		
FCF Budget Rate used: Ke	orea Won 1,349.5						
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	4 SM ADEQUATE: 3,932 SM	SUBSTAN	IDARD: 194 S	SM			
PROJECT: Construct a dor	mitory with all utilities and nece	essary supp	oorts. (Cur	rent 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.				nousing configured, and ccomplishment ese highly			
CURRENT SITUATION: The enlisted personnel. This proj	e base has insufficient on-base ect is in accordance with the A	e housing to ir Force Do	o accommoda ormitory Maste	te the unaccon r Plan.	npanied		
IMPACT IF NOT PROVIDED will not be available, resultin	<u>D</u> : Adequate living quarters which g in degradation of morale, pro- g in degradation of morale.	ch provide a oductivity, a	a level of priva nd career sati	acy required for sfaction for una	today's airmen accompanied		

1. COMPONENT		2. DATE					
AIR FORCE							
3. INSTALLATION	AND LOO	CATION		4. PROJECT TITLE			
OSAN AIR BASE, I	KOREA (R	EPUBLIC OF)		DORMITORY (156	RM)		
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7.	PROJECT NUMBER	8. PROJEC	T COST (\$000)	
22176		721-312		SMYU993110	15,800		
enlisted personnel.							
ADDITIONAL. Draiget meets the second/ariteric aposition in the new 1 of herroady standard established by							

<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 FYOO. 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.

1. COMPONENT	FY 2002 MILITARY CONSTRUCTION PROJECT DATA		2. DATE						
AIR FORCE	(computer generated)								
3. INSTALLATION AND LOCATION									
DSAN AIR BASE. KOREA (REPUBLIC OF)									
I. PROJECT TITLE	5. PF	ROJECT NUMBER							
JORMITORY (156)	RM)	S	MYU993110						
12. SUPPLEMENTAL DATA: Design, Bid, Build									
a. Estimated	Design Data:								
(1) Status									
(1) Oldida (a) Da	te Design Started		06-Aug-01						
(b) Pa	rametric Cost Estimates used to develop costs		YES						
(c) Pe	rcent Complete as of Jan 01		1 %						
• (d) Da	te 35% Designed.		08-Oct-01						
(e) Da	te Design Complete		28-Apr-02						
(f) Ene	rgy Study/Life-Cycle analysis was/will be performed		YES						
(2) Basis:									
(<u>_</u>) <u></u> (a) Sta	indard of Definitive Design -		NO						
(b) Wh	ere Design Was Most Recently Used -								
(3) Total C	Cost (c) = (a) + (b) or (d) + (e):		(\$000)						
(a) Pro	duction of Plans and Specifications		948						
(b) All	Other Design Costs		474						
(c) To	al		1,422						
(d) Co	ntract		1,185						
(e) In-	house		237						
(4) Constru	uction Contract Award Date		02 Aug						
(5) Constr	uction Start		02 Sep						
(6) Constru	uction Completion		04 Oct						
 Indicates which is co cost and ex 	completion of Project Definition with Parametric Cost Estimate mparable to traditional 35% design to ensure valid scope and cecutability.	Э							
b. Equipment ass appropriations:	ociated with this project will be provided from other N/A								

1. COMPONENT FY 2002 MILITARY CONSTRUCTION PROJECT DATA 2. DATE								
AIR FORCE (computer generated)								
3. INSTALLATION AND LOCATION 4. PROJECT TITLE								
OSAN AIR BASE, KOREA (REPUBLIC OF) OFFICER DORMITORY								
5. PROGRAM ELEMENT	6. CATEGORY CODE 7. I	PROJECT	NUMBER	8. PROJECT	r cost (\$000)			
27596	724-415	SMYU993	3180		9,700			
	9. COST ES	STIMATES						
	ITEM	U/M	QUANTITY	COST	(\$000)			
OFFICER DORMITORY		LS			7.793			
UNACCOMPANIED OFFIC	ER QUARTERS	SM	4,037	1,539	(6,213			
SPLINTER PROTECTION		SM	4,037	184	(743			
COLLECTIVE PROTECTIO	DN .	LS			(796			
AIR LOCK		SM	22	1,545	(34			
SECURED REFUSE ROOM	N	SM	9	778	(7			
SUPPORTING FACILITIES					878			
UTILITIES		LS			(400			
PAVEMENTS/SITE WORK	PILE FOUNDATION	LS			(400			
DEMOLITON/ENVIRONME	NTAL/ASBESTOS	SM	866	90	(78:			
SUBTOTAL					8,671			
CONTINGENCY (5.0%)					434			
TOTAL CONTRACT COST					9,104			
SUPERVISION, INSPECTION	N & OVERHEAD (6.5 %)				592			
TOTAL REQUEST					9,696			
TOTAL REQUEST (ROUNDE	D)				9,700			
FCF Budget Rate used: Kor	ea Won 1,349.5							
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. Air Conditioning: 100 KW Grade Mix: 8 01-02. Grade Mix: 61 03-010.								
11. REQUIREMENT: 457 S	M ADEQUATE: 388 SM SUI	BSTANDA	RD: 6 SM					
PROJECT: Construct unacco	mpanied officer quarters. (Cu	ırrent Missi	ion)					
<u>REQUIREMENT:</u> 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-place base.								
<u>CURRENT SITUATION:</u> 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 S54th 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 hem: (1) they become an easy target for terrorist action, (2) residing off-base reduces the probability of survival in I 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.								

<u>MPACT IF NOT PROVIDED:</u> Lack of safe on-base unaccompanied officer quarters will continue and require

1. COMPONENT	FY 2002 MILITARY CONSTRUCTION PROJECT DATA 2. DATE								
AIR FORCE (computer generated)									
3. INSTALLATION AND LOCATION 4. PROJECT TITLE									
OSAN AIR BASE, I	KOREA (R	EPUBLIC OF)	OFFICER DORMITO	DRY					
5. PROGRAM ELE	MENI	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJEC	LT COST (\$000)				
27596	724-415 SMYU993180 9,700								
personnel to live of wing personnel. Lo	f-base plac w morale v	cing them at unacceptab will contribute to retention	le risks. This will adversely n difficulties for the Air Forc	affect morale e.	and readiness of				
<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									

1. COMPONENT	FY 2002 MILITARY CONSTRUCTION PROJECT DATA		2. DATE					
AIR FORCE	(computer generated)							
3. INSTALLATION AND LOCATION								
OSAN AIR BASE,	KOREA (REPUBLIC OF)							
1. PROJECT TITLE	5. PR	OJECT NUMBER						
OFFICER DORMIT	ORY	S	MYU993180					
12. SUPPLEMENTAL DATA: Design, Bid, Build								
a. Estimated	Design Data:							
(1) Status	:							
(a) Da	te Design Started		01 -APR-00					
(b) Pa	rametric Cost Estimates used to develop costs		YES					
• (c) Pe	ercent Complete as of Jan 01		15 %					
• (d) Da	ate 35% Designed.		30-SEP-00					
(e) Da	te Desian Complete		15-SEP-01					
(f) Ene	ergy Study/Life-Cycle analysis was/will be performed		YES					
(2) Basis:								
(a) Sta	andard of Definitive Design -		NO					
(b) Wł	nere Design Was Most Recently Used -							
(3) Total (Cost (c) = (a) + (b) or(d) + (e):		(\$000)					
(a) Pro	oduction of Plans and Specifications		582					
(b) All	Other Design Costs		291					
(c) To	tal		873					
(d) Co	ontract		728					
(e) In-	house		146					
(4) Constr	uction Contract Award Date		01 Dec					
(5) Constr	uction Start		02 Feb					
(6) Constr	uction Completion		03 Mar					
 Indicates which is co cost and e 	completion of Project Definition with Parametric Cost Estimate omparable to traditional 35% design to ensure valid scope and xecutability.	è						
b. Equipment ass appropriations:	sociated with this project will be provided from other N/A							

							<u></u>
1. COMPONENT	FY 2002 MILITARY CONSTRUCTION PROJECT DATA 2. DATE						
AIR FORCE (computer generated)							
3. INSTALLATION OSAN AIR BASE,	AND LOC KOREA (R	CATION EPUBLIC OF)	4. RI	PROJ EPLA(ECT TITLE CE BASE CIV	IL ENGINEER	
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7. PRO	JECT	NUMBER	8. PROJEC	T COST (\$000)
22176		219-944	SM	YU003	8040		36,000
		9. COS	T ESTIMA	TES			
	ľ	ТЕМ		U/M	QUANTITY	UNIT COST	COST (\$000)
BASE CIVIL ENGIN	JEER (BC	E) COMPLEX		LS			19 300
BCE COMPLEX	(_ •			LS			(18900:
ANTITERRORISI	M/FORCE	PROTECTION		LS			(400)
SUPPORTING FAC	ILITIES						12.880
UTILITIES				LS			(2,650;
PAVING, WALKS				LS			(1,900)
SITE IMPROVEN	IENTS			LS			(7,200;
WASHRACK				ΕA	1	130,000	(130)
BRIDGE/TUNNEL	-			LS			(1,000)
SUBTOTAL							32,180
CONTINGENCY (5.0%)						1,609
		1 & OVERHEAD (6 5 %)				33,789
	201101		,				35 985
TOTAL REQUEST		וח					36,000
	INCOMPL	5)					00,000
FCF Budget Rate u	ised: Kor	ea Won 1,349.5					
IO. Description of F building with collecti hazardous material tunnel. All site work Air Conditioning: 90	Proposed (ve protect storage w , security,) KW	Construction: Two-story, s ion; PEB shops and cove /environmental features; and supporting utilities/fa	special fo ered stora asphalt p acilities to	oundat age fa oaved o/at ur	ion, masonry cilities; concre parking/roadw improved site	walls, pitched ete foundation vays, and over e, soil remedia	roof admin , masonry walls rpass bridge or tion.
11 REQUIREMEN	IT' I S AI	DEQUATE: IS SUBST	ANDARI). I S			
PROJECT: Construct	ct base civ	vil engineer complex. (Cu	urrent Mi	ssion)			
<u>REQUIREMENT:</u> 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.							
<u>CURRENT SITUATION:</u> 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.							

<u>IMPACT IF NOT PROVIDED</u>: 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.

1. COMPONENT	FY 2002 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
	(computer generated)	
3. INSTALLATION		
OSAN AIR BASE, I	KOREA (REPUBLIC OF)	
4. PROJECT TITLE	5. PROJECT NUMBER	
		31110003040
12. SUPPLEMEI	ign, Bid, Build	
a. Estimated	d Design Data:	
(1) Status		
(1) Status (a) Da	hte Design Started	02-JUL-01
(a) Da	remetric Cost Estimatos used to develop costs	YES
(d) Pa	rcent Complete as of Jan 01	1%
(d) De	ate 35% Designed	01-NOV-01
(a) Da	ne 55% Designed.	03-JUN-02
(t) En	ergy Study/Life-Cycle analysis was/will be performed	YES
(2) Basis:		
(<u>2</u>) <u>2</u> 2000	andard of Definitive Design -	NO
(b) Wi	nere Design Was Most Recently Used -	
(3) Total (Cost (c) = (a) + (b) or(d) + (e):	(\$000)
(a) Pro	oduction of Plans and Specifications	2,160
(b) All	Other Design Costs	1,080
(c) To	tal	3,240
(d) Co	ontract	2,700
(e) In-	house	540
(4) Constr	uction Contract Award Date	02 Aug
(5) Constr	uction Start	02 Sep
(6) Constr	uction Completion	05 May
* Indicates which is co cost and e	completion of Project Definition with Parametric Cost Estimate omparable to traditional 35% design to ensure valid scope and xecutability.	e
b. Equipment ass appropriations:	sociated with this project will be provided from other N/A	

1. COMPONENT	IPONENT FY 2002 MILITARY CONSTRUCTION PROJECT DATA 2. DATE						
AIR FORCE	(computer generated)						
3. INSTALLATION	AND LOO	CATION		4. PRO	JECT TITLE		
OSAN AIR BASE, K	OREA (R	EPUBLIC OF)		REPLA	CE TRAFFIC	MANAGEMEN	T FACILITY
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7. P	ROJECT	NUMBER	8. PROJECT	COST (\$000)
22176		610-142		SMYU96	3090		5,925
		9. COS	T EST	IMATES			-
	I	TEM		U/M	QUANTITY	UNIT COST	COST (\$000)
TRAFFIC MANAGE	MENT FA	CILITY		LS			4,180
TRAFFIC MANAG	BEMENT	OFFICE		SM	1,099	1,586	(1,743
WAREHOUSE/CF	RATING			SM	2,984	725	(2,163
COLLATERAL PF	ROTECTIO	N		SM	4,083	67	(274
SUPPORTING FAC	ILITIES						1,119
UTILITIES/FENCI	NG/STANI	OBY GENERATOR		LS			(314
PAVEMENTS/SITE	E IMPRR	OVMT/OFF-LOAD DOCK	ζ.	LS			(283
STORM DRNG/SI	PECIAL I			LS			(229
DEMOLITION/ENV	/IRONME	NTAL CLEAN UP		SM	2.438	120	(293
SUBTOTAL							5,299
CONTINGENCY (5.0%)						265
TOTAL CONTRACT SUPERVISION, INS		N &OVERHEAD (6.5 %)				5,563 362
TOTAL REQUEST							5,925
TOTAL REQUEST	(ROUNDE	D)					5,925
FCF Budget Rate u	ised: Kor	ea Won 1,349.5					
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, oading 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. REQUIREMEN	T: 4,083	SM ADEQUATE: SM S	UBST	FANDARI	D: 3,168 SM		
PROJECT: Constru	ct a traffic	c management office. (Cu	urrent	Mission)			
<u>PROJECT:</u> Construct a traffic management office. (Current Mission) <u>REQUIREMENT:</u> An adequate traffic management facility is needed to consolidate traffic management /unctions 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.							

<u>CURRENT</u> <u>SITUATION</u>: 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 nission 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, ritical or sensitive materials being crated outside make them more vulnerable as possible terrorist targets. The oading/unloading process is cumbersome and unsafe because there are no loading docks. Two all-terrain orklifts must be used in tandem to load and unload large equipment items or **seavans**. Also, inbound/outbound

1. COMPONENT	FY 2002 MILITARY CONSTRUCTION PROJECT DATA 2. DATE					2. DATE	
AIR FORCE	(computer generated)						
3. INSTALLATION OSAN AIR BASE, H	AND LOC KOREA (R	ATION EPUBLIC OF)		4. R	PROJECT TITLE EPLACE TRAFFIC	MANAGEME	NT FACILITY
5. PROGRAM 22176 ELE	MENT	6. CATEGORY 61 0-142 C	ODE 7	. PROJE	CT SMYU963090 NUMBER	8. PROJE	CT COST 5,925 (\$000)
cargo must process sortie generation.	s in/out of t	wo or three facilitie	es which	slows	the processing of c	ritical assets	needed for wing
IMPACT IF NOT P inefficient operation inbound cargo to so generation assets v operations.	ROVIDED: s that adve upport susi vill continue	Current undersize ersely impact wing tained operations of to deteriorate due	d, substa aircraft s during a e to expo	andarc sortie contin osure f	l and separated faci rates and cause deg gency. Also, person o the elements and	lities will con graded ability nel efficiency enemy attac	tinue to cause to process and sortie k during combat
ADDITIONAL: T Requirements." A p satifies mission req has been prepared. cannot satisfy all re MILCON to sustain protection required ENGINEER: Lt Col	This project preliminary uirements. This proje equirements combat ca by HQ Air Hutchison	meets the scope/o analysis of options Therefore, a full e ect is eligible for ho s in a reasonable ti apability. Anti-Terro Force Civil Engine , 01 I-82-31 -661-4	criteria sp for satis conomic ost-nation ime. Son orism/For eer Supp 1312. Tra	sfying analy fundi ne mis ce Pro ort Ag affic M	d in Air Force Hand this requirement wa sis was not perform ng, but the \$30M he sion essential proje otection requirement ency War Mobilizati anagement Facility:	book 32-108 s completed. hed. A certific ost nation an cts must be s met by the on Plan-I. B/ 4,083 SM =	4, "Facility Only one option cate of exception nual funding level funded with e collateral ASE CIVIL 43,933 SF

1. COMPONENT	FY 2002 MILITARY CONSTRUCTION PROJECT DATA	2. DATE						
AIR FORCE	(computer generated)							
3. INSTALLATION	AND LOCATION							
OSAN AIR BASE, H	(OREA (REPUBLIC OF)							
4. PROJECT TITLE	4. PROJECT TITLE 5.							
REPLACE TRAFFIC MANAGEMENT FACILITY SM								
12. SUPPLEMENTAL DATA: Design. Bid. Build								
a. Estimated								
	Ŭ							
(1) Status	:							
(a) Da	te Design Started	15-JUN-01						
(b) Pa	rametric Cost Estimates used to develop costs	YES						
. (c) Pe	rcent Complete as of Jan 01	1 %						
. (d) Da	te 35% Designed.	30-NOV-01						
(e) Da	te Design Complete	30-MAY-02						
(f) Ene	ergy Study/Life-Cycle analysis was/will be performed	YES						
(2) Basis:								
(a) Sta	andard of Definitive Design -	NO						
(b) Wł	ere Design Was Most Recently Used -							
(3) Total C	(3) Total Cost (c) = (a) + (b) or (d) + (e):							
(a) Pro	oduction of Plans and Specifications	356						
(b) All	Other Design Costs	178						
(c) To	tal	534						
(d) Co	ntract	444						
(e) In-	house	89						
(4) Constru	uction Contract Award Date	02 Aug						
(5) Constr	uction Start	02 Sep						
(6) Construc	ction Completion	04 Jan						
 Indicates which is co cost and ex 	completion of Project Definition with Parametric Cost Estimate mparable to traditional 35% design to ensure valid scope and cecutability.	9						
b. Equipment ass appropriations:	ociated with this project will be provided from other N/A							

COMPONENT	FY 2002 MILITARY CONSTRUCTION PROJECT DATA 2. DATE						
AIR FORCE	AIR FORCE (computer generated)						
3. INSTALLATION AND LOCATION 4. PROJECT TITLE							
OSAN AIR BASE, K	KOREA (R	EPUBLIC OF)	REPLAC	CE VEHICLE (OPS CONTR	OL/ADMIN FAC	
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7. PROJECT	NUMBER	8. PROJEC	T COST (\$000)	
22176	22176 610-121 SMYU993190 2,0						
		9. COST	ESTIMATES			0.007	
		TEM	U/M	QUANTITY	COST	(\$000)	
VEHICLE OPERAT	IONS ADI	MINISTRATION	LS			1,420	
VEHICLE OPERA	ATIONS A	DMIN	SM	830	1,611	(1,337	
SPLINTER PROT	FECTION		SM	830	100	(83:	
SUPPORTING FAC	ILITIES					369	
UTILITIES/STAND	DBY GEN	IERATOWFENCES	LS			(113	
PAVEMENTS/SIT	E IMPRO	VEMENTS	LS			(141'	
STORM DRAINA	GE/SPECI	AL FOUNDATION	LS			(66'	
DEMOLITION/EN	VIRONME	NTAL CLEAN UP	SM	492	99	(49)	
SUBTOTAL						1,789	
CONTINGENCY (5.0%)					89	
TOTAL CONTRACT	COST					1,878	
SUPERVISION, INS	SPECTION	I & OVERHEAD (6.5 %)				122	
TOTAL REQUEST						2,000	
TOTAL REQUEST (ROUNDE	D)				2,000	
FCF Budaet Rate u	ısed: Kor	ea Won 1,349.5					
10. Description of P	roposed (Construction: Reinforced c	oncrete found	ation and floo	r slab. masor	nry walls and	
roof, fire detection/p dispatch, drivers' rea lighting and all nece	ady room,	and splinter protection. In and toilets. Standby gene porting facilities and utilitie	cludes offices, erator, paveme es. Demolishe	admin area, r ents, site impro s 1 building.	nulti-purpose ovements, fer	room, storage, ncing, area	
Air Conditioning: 20) KŴ			0			
11. REQUIREMEN	T: 830 S	M ADEQUATE: SM SUB	STANDARD:	492 SM			
PROJECT: Constru	ict a vehic	cle operations administration	on facility. (Cu	rrent 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 fight -in-place 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 vard.							
<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.							
ADDITIONAL: Th Requirements." It is all requirements in a	nis project eligible for reasonab	meets criteria/scope spect r host-nation funding, but t le time. Some mission-es	tified in Air Fo the \$30M annu sential facilitie	rce Handbook ual host nation s must be fun	32-1084, "Fa funding leve ded with MIL	acility I cannot satisfy CON to sustain	

1. COMPONENT	FY 2002 MILITARY CONSTRUCTION PROJECT DATA 2. DATE				
AIR FORCE	(compu	uter generated)	1		
3. INSTALLATION AND	LOCATION	4. PROJECT TITLE			
OSAN AIR BASE, KORI	EA (REPUBLIC OF)		OPS CONTROL/ADMIN FAC		
5. PROGRAM ELEMEN	T 6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
22176	610-121	SMYU993190	2,000		
22176 a combat capability at th indicates that only one of performed. A certificate by splinter protection fea Mobilization Plan-I. CIVI Facility: 830SM = 8,931	610-121 his fight-in-place base. A prelim poption will meet mission needs of exception has been preparatures in this project required b L ENGINEER: Lt Col Hutchis SF.	SMYU993190 minary analysis of options for therefore, a complete ecc red. Anti-Terrorism/Force Pr by HQ Air Force Civil Engine on, 01 I-82-31-661 -4312. V	z,000 r satisfying this requirement nomic analysis was not otection requirements are met er Support Agency War /ehicle Operations Admin		

1. COMPONENT	FY 2002 MILITARY CONSTRUCTION PROJECT DATA		2. DATE				
AIR FORCE	(computer generated)						
3. INSTALLATION AND LOCATION							
OSAN AIR BASE, KOREA (REPUBLIC OF)							
1. PROJECT TITLE	\$. PROJECT TITLE 5. PROJECT NUMBER						
REPLACE VEHICLE OPS CONTROUADMIN FAC SMYU993190							
12. SUPPLEMENTAL DATA: Design, Bid, Build							
a. Estimated Design Data:							
(1) Status							
(1) Oldida (a) Da	te Design Started		18-Jun-01				
(a) Da	remetric Cost Estimates used to develop costs		VES				
(b) Fa			1 %				
• (C) Pe			08-Oct 01				
• (d) Da	te 35% Designed.		08-001-01				
(e) Da	te Design Complete		28-Api-02				
(f) Ene	rgy Study/Life-Cycle analysis was/will be performed		YES				
(2) Basis:							
(a) Sta	indard of Definitive Design -		NO				
(b) Wł	ere Design Was Most Recently Used -						
(3) Total (Cost (c) = (a) + (b) or(d) + (e):		(\$000)				
(a) Pro	duction of Plans and Specifications		120				
(b) All	Other Design Costs		60				
(c) To	al		180				
(d) Co	ntract		150				
(e) In-	house		30				
(4) Constr	uction Contract Award Date		02 Aug				
(5) Constr	uction Start		02 Sep				
(6) Constr	uction Completion		03 Sep				
 Indicates which is co cost and et 	completion of Project Definition with Parametric Cost Estimate mparable to traditional 35% design to ensure valid scope and cecutability.	9					
b. Equipment ass	ociated with this project will be provided from other						
appropriations:	N/A						

	1. COMPONENT FY 2002 MILITARY CONSTRUCTION PROJECT DATA 2. DATE							
3. INSTALLATION OSAN AIR BASE, K	AND LOC OREA (R	EPUBLIC OF)	4. PRO	PROJECT TITLE EHICLE MAINTENANCE FACILITY				
5. PROGRAM ELE	MENT	6. CATEGORY CODE 7.	. PROJECT	NUMBER	8. PROJECT	COST (\$000)		
27596		214-425	SMYU96	3091		17,317		
1		9. COST I	ESTIMATES	1	1			
		TEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
VEHICLE MAINTEN	IANCE FA	CILITY	LS			11,625		
(2)VEHICLE MAIN	NTENANC	CE FACILITY	SM	8,274	1,344	(11,120		
FRAGMENT MITI	GATION	AND NBC PROTECTION	SM	8,274	43	(356		
OTHER ANTITER	RORISM	FORCE PROTECTION	SM	8,274	18	(149		
SUPPORTING FAC	ILITIES					3,861		
UTILITIES/GASOL	INE STO	RAGE TANK	LS			(723		
PAVEMENTS/FEN	ICING/PIL	E FOUNDATION	LS			(2,010		
SITE IMPROVEN	IENTS/LA		LS			(423		
EMERGENCY GE	NERATO	R WITH ENCLOSURE	LS			(193		
DEMOLITION			SM	5,220	98	(512		
SUBTOTAL						15,486		
CONTINGENCY (5	5.0 %)					774		
TOTAL CONTRACT SUPERVISION, INS	COST PECTION	I & OVERHEAD (6.5 %)				16,260 1,057		
TOTAL REQUEST						17.317		
TOTAL REQUEST (ROUNDE	D)				17,317		
FCF Budaet Rate u	ised: Kor	ea Won 1349.5						
10. Description of Pr system, fire protectio offices, tools/parts st Demolishes 10 buildi Air Conditioning: 10	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. Jemolishes 10 buildings (5,220 SM). Air Conditioning: 100 KW							
11. REQUIREMEN	Г: 8,274	SM ADEQUATE: SM SUE	BSTANDARI	D: 4,531 SM				
PROJECT: Construc	t a vehicl	e maintenance facility. (Cu	rrent Missio	n)				
REQUIREMENT: ////////////////////////////////////	<u>REQUIREMENT</u> : An adequate facility for maintenance, inspection, repair and control of the base's 1,400 + /ehicles 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.							
<u>Summer</u> and small arms tire at this in-place wartighting base. <u>Summer</u> SITUATION: 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 <i>rehicles/equipment</i> larger than a pickup truck to be maintained outdoors in unsafe working conditions. When sutdoors , both personnel and equipment are unprotected from extremes of heat and below-zero weather, as well s 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 se 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 vino 's commitments in the Korean Theater.								

1. COMPONENT		2. DATE					
AIR FORCE		(computer generated)					
3. INSTALLATION AND LOCATION 4. PROJECT TITLE							
OSAN AIR BASE, KOREA (REPUBLIC OF) VEHICLE MAINTENANCE FA					ANCE FACILI	ΤY	
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7. P	ROJECT NUMBER	8. PROJEC	CT COST (\$000)	
27596		214-425		SMYU963091		17,317	

<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.

<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

1. COMPONENT	FY 2002 MILITARY CONSTRUCTION PROJECT DATA	2. DATE				
AIR FORCE	(computer generated)					
3. INSTALLATION	AND LOCATION					
DSAN AIR BASE. H	OREA (REPUBLIC OF)					
I. PROJECT TITLE		5. PROJECT NUMBER				
/EHICLE MAINTENANCE FACILITY SMYU963091						
12. SUPPLEMENTAL DATA: Design, Bid, Build						
a. Estimated	l Design Data:					
(1) Status	:					
(a) Da	te Design Started	21-MAR-00				
(b) Pa	rametric Cost Estimates used to develop costs	YES				
. (c) Pe	rcent Complete as of Jan 01	15 %				
. (d) Da	te 35% Designed.	01 -SEP-00				
(e) Da	te Design Complete	01 -SEP-01				
(f) Ene	ergy Study/Life-Cycle analysis was/will be performed	YES				
(2) Basis:						
(a) Sta	andard of Definitive Design -	NO				
(b) Wł	ere Design Was Most Recently Used -					
(3) Total C	Cost (c) = (a) + (b) or (d) + (e):	(\$000)				
(a) Pro	oduction of Plans and Specifications	1,039				
(b) All	Other Design Costs	520				
(c) To	tal	1,559				
(d) Co	ontract	1,299				
(e) In-	house	260				
(4) Constr	uction Contract Award Date	01 Dec				
(5) Constr	uction Start	02 Mar				
(6) Constr	uction Completion	03 Dec				
* Indicates which is co cost and et	completion of Project Definition with Parametric Cost Estimate mparable to traditional 35% design to ensure valid scope and kecutability.	3				
b. Equipment ass appropriations:	ociated with this project will be provided from other N/A					

1. COMPONENT AIR FORCE	FY2	FY2002 MILITARY CONSTRUCTION PROGRAM 2. DATE (computer generated)								
3. INSTALLATION A		ATION		4. COMM	IAND				5. AREA	A CONST
ESKISEHIR, TURKEY UNITED STATES AIR FORCES IN CO								COST	INDEX	
				EUROPE					(0.91
6. PERSONNEL	PEF	MANENT			STUDE	NTS		SUPP	ORTED	-
STRENGTH	OFF	FNI	CIV	OFF	FNI	CIV	OFF	FNI	CIV	TOTAL
a. As of 30 Sep 00	8	6	1							15
b. End FY 2005	8	6	1							15
			7. II	VENTOR	Y DATA	\$(000)				
a. Total Acreage										
b. Inventory Totals a	as of: 30	Sep 00							0	
c. Authorization Not	Yet In Inv	ventory:							0	
d. Authorization Rec	juested Ir	n this Prog	gram:						4,000	
e. Authorization Incl	uded In F	ollowing I	Program	: (FY200	3)				0	
f. Planned in Next Fo	our Progr	am Years	:						0	
g. Remainina Deficie	encv:								4 000	-
h. Grand Total:									4,000	
8. Projects Requeste	ed in this	Program:	FY2002					COST	DESIGN	STATUS
CODE PRO	DJECT TI	TLE			SC	OPE		\$(000)	START	CMP
721-312 Dormit	ory/Missic	on Suppoi	rt Facility	/ (32 RM)		32 F	RM	\$4,000	Jun 01	Apr 02
	-		-				Total	\$4,000		
9a. Future Projects: I	ncluded i	n the Foll	owing P	rogram: (F	Y2003)	No	Projects			
9b. Future Projects:	Typically	Planned N	Vext Fou	r Years	No Proj	ects				
9c. Real Property Ma	aintenanc	e Backloo	a This Ir	stallation					0	
10. Mission or Major	Function	s: Provide	es peace	etime coord	dination o	of air poli	cing over	the host	nation of	Turkey
and air defense over	the host	nation and	d other r	nations dur	ina wartir	ne/conflic	t as task	ed by NA	TO SHAP	<u>É.</u>
11. Outstanding pollu	ition and	safety (O	SHA) de	ficiencies:						
a. Air pollution							0			
b. Water pollution	า								0	
c. Occupational S	Safety and	d Health							0	
d. Other Environmental								0		
1. COMPONENT		FY 2002 MILITARY CON	ISTRUC		PROJECT DA	TA	2. DATE			
--	---	---	---	---	---	--	---			
AIR FORCE		(compu	iter gene	rated)						
3. INSTALLATION A	ND LOC	ATION	4.	PROJ	IECT TITLE					
ESKISEHIR, TURKEY	(D	ORMIT	ORY/MISSIC	N SUPPORT	FACILITY (32 RM			
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7. PRO	JECT	NUMBER	8. PROJEC	T COST (\$000)			
22176		721-312	LJ	/ C01 3	3006		4,000			
		9. COS	T ESTIMA	\TES						
	1	TEM		U/M	QUANTITY		COST (\$000)			
DORMITORY				LS			2,618 [;]			
DORMITORY (32 F	۲M)			SM	1,120	1,656	(1,855)			
FORCE PROTECT	TITERRORISM	LS			(300')					
MISSION SUPPOR			SM	280	1,656	(464)				
SUPPORTING FACIL	ITIES						960'			
				LS			(275)			
	NIS						(115)			
PAVEMENIS				LS			(570)			
SUBTOTAL	00()						3,576			
CONTINGENCY (5	.0%)									
TOTAL CONTRACT (COST	& OVERHEAD (6.5 %	١				3,757			
TOTAL DECLIEST	ECHON)				4 002			
TOTAL REQUEST		ור					4,002 4 000			
	0011222	<i>,</i> ,					7,000			
FCF Budget Rate us	ed: Turk	ey Lira 1,255,000					_			
10. Description of Pro slabs and pitched roof supporting utilities and windows with metal fra 4ir Conditioning: 65 I	posed C . Provide I site imp ames, ste KW	Construction: Construct fa s private living, kitchen a provements including parl sel doors, gate/fence, CC	acility with and bath king and CTV, PAS	ו reinf for all lands ג bacl	orced concre ranks. Include caping. Additi k-up generato	te walls, foundes laundry roco onal FP: lamin r and exterior	dation and floor m, and all nated glass lighting.			
11. REQUIREMENT:	32 RM	ADEQUATE: 32 RM S	SUBSTAN	DAR	D: RM					
JROJECT: Construct (Current Mission).	: a 15 Pe	erson dormitory with miss	sion supp	ort are	ea for person	nel assigned t	o CAOC6.			
REQUIREMENT: As deter terrorist activity Turkey stipulates cons be necessary to const	a remo and prote struction ruct two	te overseas location with ect occupants from terror of two facilities to blend facilities for the single re-	a sensiti rist attack in with th quiremen	ive mis c. The le exis it.	ssion, the faci current Memo ting lo-unit ap	lity must be c orandum of A partment build	onstructed to greement with ngs, so it may			
CURRENT SITUATION occupy 11 units of a 2 safety and quality of li displease the Turkish	<u>N:</u> Air F 20-unit ap fe conce tenants i	orce Dormitory Master P partment building in the c rns. The fortified improve n the other 9 units, and e	lan verific communit ments of exacerbat	es the y. Loc the c e AT /	re is no on-ba al construction urrent facility FP concerns.	ase facility. Pe n presents tre draw attentior	ersonnel currently mendous life- to the building,			
MPACT IF NOT PRO	<u>VIDED:</u> perimete	Personnel will continue to r of Turkish Air Force MF	o be hou: FH.	sed in	substandard,	vulnerable le	ased facilities			
ADDITIONAL: This approval. Project will b neets the criteria/scop alternatives were cons equirements. Therefore	project i e design e specifi idered d re, no ec	is not eligible for NATO fu led and constructed to me ed for unaccompanied of uring the development of conomic analysis was per	unding. F eet the s fficer hou f this proj rformed.	Project tricter using t ject. N Force	will require U of Turkish or by OSD and A lo other option protection me	IS and Turkish US standards AFH 32-1084. In could meet is easures will b	n General Staff . This project All known mission e considered			

AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE DORMITORY/MISSION SUPPORT FACILITY (32 RM 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000) 2176 721-312 LJYC013006 4.000 1AW DoD Minimum Design Standards as well as EUCOM Operations Order 994. Dormitory: 1,120 SM = 12,051 SF.	1. COMPONENT	F`	Y 2002 MILITARY CON	STRUCTION PROJECT	DATA	2. DATE
3. INSTALLATION AND LOCATION 4. PROJECT TITLE DORMITORY/MISSION SUPPORT FACILITY (32 RM 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000) 22176 721-312 LJYC013006 4.000 1AW DoD Minimum Design Standards as well as EUCOM Operations Order 994. Dormitory: 1,120 SM = 12,051 5.	AIR FORCE		(compu	ter generated)		
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000) 22176 721-312 LJYC013006 4.000 IAW DoD Minimum Design Standards as well as EUCOM Operations Order 99-I, Dormitory: 1,120 SM = 12,051 SF.	3. INSTALLATION ESKISEHIR, TURK	AND LOCA	TION	4. PROJECT TITLE DORMITORY/MISS	SION SUPPOR	T FACILITY (32 RN
22176 721-312 LJYC013006 4,000 IAW DoD Minimum Design Standards as well as EUCOM Operations Order 99-I. Dormitory: 1,120 SM = 12,051 SF.	5. PROGRAM ELE	MENT 6	CATEGORY CODE	7. PROJECT NUMBER	8. PROJE	CT COST (\$000)
IAW DoD Minimum Design Standards as well as EUCOM Operations Order 99-I. Dormitory; 1,120 SM = 12,051 SF.	22176		721-312	LJYC013006		4.000
SF.	IAW DoD Minimum	Design Star	ndards as well as EUC	OM Operations Order 99-I	. Dormitory: 1,	120 SM = 12,051
	SF.					

1. COMPONENT	FY 2002 MILITARY CONSTRUCTION PROJECT DATA		2. DATE					
AIR FORCE	(computer generated)							
3. INSTALLATION	AND LOCATION							
ESKISEHIR, TURK	EY							
4. PROJECT TITLE		5. PR						
DORMITOR MISS	ION SUPPORT FACILITY (32 RM)	L	JYC013006					
12. SUPPLEMEN	ITAL DATA: Desig	gn, Bio	d, Build					
a. Estimated	I Design Data:							
(1) Status	:							
(a) Da	te Design Started		25-Jun-01					
(b) Pa	rametric Cost Estimates used to develop costs							
• (c) Pe	rcent Complete as of Jan 01		1 %					
• (d) Da	te 35% Designed.		08-Oct-01					
(e) Da	te Design Complete		28-Apr-02					
(f) Ene		YES						
(2) Basis:								
(a) Sta		NO						
(b) Wł	nere Design Was Most Recently Used -							
(3) Total (Cost (c) = (a) + (b) or(d) + (e):		(\$000)					
(a) Pro	oduction of Plans and Specifications		240					
(b) All	Other Design Costs		120					
(c) To	tal		360					
(d) Co	ontract		300					
(e) In-	house		60					
(4) Constr	uction Contract Award Date		02 Jun					
(5) Constr	uction Start		02 Aug					
(6) Constr	uction Completion		03 Aug					
 Indicates which is co cost and e 	completion of Project Definition with Parametric Cost Estimate omparable to traditional 35% design to ensure valid scope and xecutability.	;						
b. Equipment ass appropriations:	ociated with this project will be provided from other N/A							

AIR FOR	NENT CE	FY20	002	MILITA (compu	RY CONS Iter gener	TRUCTIC ated)	ON PRC	GRAM		2. DATE	
3. INSTALLA	TION A	AND LOC	ATION		4. COMN	IAND				5. ARE	CONST
RAF LAKEN	NHEATH	I, UNITED	NINGD	OM	UNITED EUROPE	STATES	AIR FO	RCES IN		COST	INDEX 1.44
6 PERSON	NFI	PER	MANENT	-		STUDE	NTS		SUPPO	ORTED	
STRENGT	TH	OFF	ENI	CIV	OFF	ENI	CIV	OFF	FNL	CIV	TOTAL
a. As of 30	0 Sep	00 522	4,152	925				2	6	337	5,944
b. End FY	′ 200	5 520	4,214	908				2	6	337	5,987
7. INVENTORY DATA \$(000)											
a. Total Acre	eage		2,004	4							
b. Inventory	Totals a	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											
q. Remainina Deficiency: 10,122											
n. Grand Tot	an			51/0000							
8. Projects R	equeste	ed in this	Program:	F 12002					COST	DESIGN	STATUS
CODE	PRC	DJECT TI	TLE			SC	OPE		\$(000)	START	CMP
610-122	Replac	e Supply	Material	Control			3,698	SM \$	11,300	TUR	N KFY
								Total \$	11,300		
9a. Future Pr	ojects: I	ncluded in	n the Foll	owing P	rogram: (F	FY2003)	N	Total \$	11,300		
9a. Future Pro	ojects: I ojects: ⁻	ncluded in	n the Foll Planned N	owing P Jext Fou	rogram: (F r Years	FY2003)	N	Total \$ o Projects	11,300		
9 a. Future Pro 9 b. Future Pro 131-111	ojects: I ojects: ⊺ Replac	Included in Typically F ce Commu	n the Foll Planned N unications	owing P lext Fou Facility	rogram:(F r Years	FY2003)	N 2,207	Total \$ o Projects SM	11,300 \$7,800		
9 <u>a. Future Pr</u> 9 b. Future Pr 131-111 141-785	ojects: I ojects: ∃ Replac Air Exp	Included in Typically F ce Commu peditionary	n the Foll Planned N unications / Force C	owing P lext Fou Facility argo Pro	rogram:(F r Years cc Fac	FY2003)	N 2,207 2,847	Total \$ o Projects SM SM	11,300 \$7,800 \$16,250		
9a. Future Pro 9b. Future Pro 131-111 141-785 141-785	ojects: I ojects: ⊺ Replac Air Exp Mobilit <u>u</u>	Typically F ce Communication ceditionary y Process	n the Foll Planned N unications / Force C ing Facili	owing P lext Fou Facility cargo Pro	rogram:(F r Years oc Fac	FY2003)	N 2,207 2,847 2,847	Total \$ o Projects SM SM SM	\$7,800 \$16,250 \$2,600		
9a. Future Pr 9b. Future Pr 131-111 141-785 141-785 171-212	ojects: I ojects: ∃ Replac Air Exp Mobility 4-Bay	ncluded in Typically F ce Commu peditionary y Process Mission T	n the Foll Planned N unications / Force C ing Facili raining C	owing P lext Fou Facility argo Pro ty enter	rogram:(F r Years oc Fac	FY2003)	N 2,207 2,847 2,847 2,098	Total \$ o Projects SM SM SM SM SM	\$7,800 \$16,250 \$2,600 \$7,600		
9a. Future Pr 9b. Future Pr 131-111 141-785 141-785 171-212 721-312	ojects: I ojects: T Replac Air Exp Mobility 4-Bay Dormite	ncluded in Typically F ce Commu peditionary y Process Mission T ory	n the Foll Planned N unications / Force C ing Facili raining C	owing P Jext Fou Facility argo Pro ty enter	rogram: (F r Years oc Fac	FY2003)	N 2,207 2,847 2,847 2,098 120	Total \$ o Projects SM SM SM SM SM RM	\$7,800 \$16,250 \$2,600 \$7,600 \$9,876		
9a. Future Pr 9b. Future Pr 131-111 141-785 141-785 171-212 721-312 721-312	ojects: I ojects: T Replac Air Exp Mobility 4-Bay Dormit	Included in Typically F ce Commu peditionary y Process Mission T ory ory	n the Foll Planned N unications / Force C ing Facili raining C	owing P lext Fou Facility argo Pro ty enter	rogram:(F r Years oc Fac	FY2003)	N 2,207 2,847 2,847 2,098 120 120	Total \$ o Projects SM SM SM SM SM RM RM	\$7,800 \$16,250 \$2,600 \$7,600 \$9,876 \$9,052		
9a. Future Pr 9b. Future Pr 131-111 141-785 141-785 171-212 721-312 721-312 740-253	ojects: I ojects: T Replac Air Exp Mobility 4-Bay Dormit Replac	ncluded in Typically F ce Commu peditionary y Process Mission T ory ory ory ce Family	n the Foll Planned N unications / Force C ing Facili raining C Support (owing P lext Fou Facility argo Pro ty enter Complex	rogram:(F r Years bc Fac	FY2003)	N 2,207 2,847 2,847 2,098 120 120 1,240	Total \$ o Projects SM SM SM SM RM RM SM	\$7,800 \$16,250 \$2,600 \$7,600 \$9,876 \$9,052 \$5,400		
9a. Future Pr 9b. Future Pr 131-111 141-785 141-785 171-212 721-312 721-312 740-253 9c. Real Prop	ojects: I ojects: T Replac Air Exp Mobility 4-Bay Dormit Replac	Included in Typically F De Communicationary Process Mission T Ory Ory Ory De Family	n the Foll Planned N unications / Force C ing Facili raining C Support (owing P lext Fou Facility argo Pro ty enter Complex	rogram: (F r Years bc Fac stallation	FY2003)	N 2,207 2,847 2,847 2,098 120 120 1,240	Total \$ o Projects SM SM SM SM RM RM SM SM	\$7,800 \$16,250 \$2,600 \$7,600 \$9,876 \$9,052 \$5,400	101	
Pa. Future Pr Pb. Future Pr 131-111 141-785 141-785 171-212 721-312 721-312 740-253 9c. Real Prop 10. Mission o 15C/D air sup	ojects: I Replac Air Exp Mobility 4-Bay Dormit Dormit Replac perty Ma or Major periority	ncluded in Typically F ce Commu beditionary y Process Mission T ory ory ory ce Family aintenance Functions squadron	n the Foll Planned N unications / Force C ing Facili raining C <u>Support (</u> <u>Backlog</u> s: The ho . The win	owing P lext Fou Facility argo Pro ty enter <u>Complex</u> <u>This In</u> st fighten	rogram: (F r Years oc Fac stallation r wing sup upports ar	FY2003) ports two Air Forc	N 2,207 2,847 2,847 2,098 120 1,20 1,240 dual-case reaion	Total \$ o Projects SM SM SM SM RM RM RM SM pable F-I	\$7,800 \$16,250 \$2,600 \$7,600 \$9,876 \$9,052 \$5,400 5E squad I.	101 Irons an or	ne F-
Pa. Future Pr Pb. Future Pr 131-111 141-785 141-785 171-212 721-312 721-312 740-253 Pc. Real Prop 10. Mission o 15C/D air sur 11. Outstandi	ojects: I ojects: T Replac Air Exp Mobility 4-Bay Dormit Dormit Replac or Major periority ng pollu	Included in Typically F e Commu- beditionary y Process Mission T ory ory e Family e Family aintenance squadron ution and s	n the Foll Planned N unications / Force C ing Facili raining C Support (Backlog S: The ho . The win safety (OS	owing P lext Fou Facility argo Pro ty enter <u>Complex</u> <u>This In</u> st fighter ag also s SHA) de	rogram: (F r Years bc Fac stallation r wing sup upports ar ficiencies:	FY2003) ports two Air Forc	N 2,207 2,847 2,098 120 1,240 dual-case reaion	Total \$ O Projects SM SM SM SM RM RM SM SM pable F-I	\$7,800 \$16,250 \$2,600 \$7,600 \$9,876 \$9,052 \$5,400 5E squad I.	101 Irons an o	ne F-
9a. Future Pr 9b. Future Pr 131-111 141-785 141-785 171-212 721-312 721-312 740-253 9c. Real Prop 10. Mission o 15C/D air sup 11. Outstandi a. Air poll	ojects: I ojects: T Replac Air Exp Mobility 4-Bay Dormit Dormit Replac or Major periority ng pollu lution	Included in Typically F ee Commu- beditionary y Process Mission T ory ory ory ee Family aintenance Functions squadron	n the Foll Planned N unications / Force C ing Facili raining C Support (Backlog S: The ho . The win safety (OS	owing P lext Fou Facility argo Pro ty enter <u>Complex</u> <u>This In</u> st fighten ag also s SHA) de	rogram: (F r Years oc Fac stallation r wing sup upports ar ficiencies:	FY2003) ports two Air Forc	N 2,207 2,847 2,847 2,098 120 1,240 dual-ca e reaion	Total \$ O Projects SM SM SM SM RM RM RM SM pable F-I	11,300 \$7,800 \$16,250 \$2,600 \$7,600 \$9,876 \$9,052 \$5,400 5E squad I.	<u>101</u> irons an oi	ne F-
9a. Future Pr 9b. Future Pr 131-111 141-785 141-785 171-212 721-312 740-253 9c. Real Prop 10. Mission o 15C/D air sup 11. Outstandi a. Air poll b. Water	ojects: I Replac Air Exp Mobility 4-Bay Dormit Dormit Replac perty Ma perty Ma or Major periority ng pollu lution pollution	Included in Typically F ee Commu- beditionary y Process Mission T ory ory ory ee Family <u>aintenance</u> Functions squadron ution and s	n the Foll Planned N unications / Force C ing Facili raining C <u>Support (</u> <u>Backlog</u> s: The ho <u>. The win</u> safety (OS	owing P lext Fou Facility argo Pro ty enter <u>Complex</u> <u>This In</u> st fighten a also s SHA) de	rogram: (F r Years oc Fac stallation r wing sup upports ar ficiencies:	FY2003) ports two h Air Forc	N 2,207 2,847 2,847 2,098 120 1,20 1,240 dual-case reaion	Total \$ o Projects SM SM SM SM RM RM SM pable F-I	11,300 \$7,800 \$16,250 \$2,600 \$7,600 \$9,876 \$9,052 \$5,400 5E squad I.	<u>101</u> rons an or 0 250	ne F-
9a. Future Pr 9b. Future Pr 131-111 141-785 141-785 171-212 721-312 740-253 9c. Real Prop 10. Mission o 15C/D air sur 11. Outstandi a. Air poll b. Water c. Occupa	ojects: I ojects: T Replac Air Exp Mobility 4-Bay Dormit Dormit Dormit Replac or Major periority ng pollu lution pollution	Included in Typically F ee Commu- peditionary y Process Mission T ory ory ee Family ee Family aintenance squadron tion and s	n the Foll Planned N unications / Force C ing Facili raining C Support (Backlog S: The ho . The win safety (OS	owing P lext Fou Facility argo Pro ty enter <u>Complex</u> <u>This In</u> st fighter ag also s SHA) de	rogram: (F r Years oc Fac stallation r wing sup upports ar ficiencies:	FY2003) ports two h Air Forc	N 2,207 2,847 2,098 120 1,240 dual-ca se reaion	Total \$ o Projects SM SM SM SM RM RM SM pable F-I	\$7,800 \$16,250 \$2,600 \$7,600 \$9,876 \$9,052 \$5,400 5E squad	101 irons an oi 250 0	ne F-

1. COMPONENT	FY 2002 MILITARY CONSTRUCTION PROJECT DATA 2. DATE							
AIR FORCE	(computer generated)							
3. INSTALLATION	AND LOC	CATION		4. PRO	JECT TITLE			
RAF LAKENHEATH	, UNITED	KINGDOM	REPLA	EPLACE SUPPLY MATERIAL CONTROL				
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PRO				ROJECT	NUMBER	8. PROJEC	T COST (\$000)	
22176		610-122		MSET92	3006		11,300	
-		9. COS	IM <u>'ES</u>					
ITEM					QUANTITY	COST	(\$000)	
REPLACE SUPPLY	MATERIA	AL CONTROL		LS			7,238	
BASE SUPPLY A	ADMINIST	RATION		SM	2,198	2,240	(4,924	
BASE SUPPLY/E	EQUIPMEN	IT WAREHOUSE		SM	1,500	1,543	(2,315	
SUPPORTING FAC	ILITIES						3,272	
UTILITIES				LS			(276)	
PAVEMENTS	_			LS			(500)	
SITE IMPROVEN		LS			(190)			
DEMOLITION					2,438	197	(480)	
COMMUNICATIO	NS		LS			(492;		
ANTITERRORISM FORCE PROTECTION							(1,334)	
SUBTOTAL							10,510	
CONTINGENCY (5.0%)						526	
FOTAL CONTRACT SUPERVISION, IN	COST SPECTIOI	N &OVERHEAD (2.5 %)				11,036 276	
FOTAL REQUEST							11,312	
FOTAL REQUEST	(ROUNDE	D)					11,300	
CF Budget Rate u	used: Unit	ed Kingdom Pound 0.7	144					
IO. Description of F sloped metal roof. I Antiterrorism/force p acilities (2,438 SM)	Proposed (ncludes al protection	Construction: Concrete sla I utilities, fire protection, of will comply with DoD inte	ab ar comm erim s	nd footing nunication tandard	is, masonry blo n, parking, and force protection	ock walls, brid site improver n measures. [ck facing, and ments. Demolish five	
11. REQUIREMEN	T: 16,675	SM ADEQUATE: 11,09	1 SM	I SUBST	ANDARD: 2,4	138 SM		
PROJECT: Constru	ct a suppl	y material control facility.	(Cu	rrent Mis	sion)			
REQUIREMENT: Indersized and disp structure to support o house the squadu unctional areas, inc oom. A warehouse and mobility storage retail sales to be lood he assessed threat	A materia persed Quo the mission con comma cluding spa with adeq e requirem- cated with level.	I control complex will con onset huts and other unsu- on of a three-squadron fig and section, weapons sys- ace for a supply compute uate fire detection and su- ent. The complex will pro- administrative functions.	solida uitable stem s r roor uppres vide Antite	ate and re e facilities wing bas support f m, trainir sion syst one-stop errorism f	elocate equipm s into a functio e. A supply ac light, asset ma g/audiovisual ems is needed shopping for s orce protection	nent and personal and adeque Iministrative fanagement flig room and telee I to support a supply custom measures to	connel from uately sized acility is required ht and other communications base supply hers, allowing o comply with	

<u>CURRENT SITUATION:</u> 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 **s** past its economic life cycle. It is cost prohibitive to upgrade this facility due to its age and type of construction. **Vewcomers** are required to visit at least three supply facilities to accomplish their inprocessing and individual **squipment** issue actions.

MPACT IF NOT PROVIDED:

51

I. COMPONENT		FY 2002 MILITARY CON	STRUCTION PROJECT DA	ATA	2. DATE				
AIR FORCE		(compu	ter generated)						
3. INSTALLATION	AND LOC	ATION	4. PROJECT TITLE						
RAF LAKENHEATH	I, UNITED	KINGDOM	REPLACE SUPPLY I	MATERIAL C	ONTROL				
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJEC	CT COST (\$000)				
22176		61 O-I 22	MSET923006		11,300				
and less efficient due to inadequate and aging facilities. Improvements in customer service and varehousinglretail operations will not be possible. Maintenance and repair costs will continue to be high due to he excessive amounts of work required to keep the facilities usable.									
he excessive amounts of work required to keep the facilities usable. <u>ADDITIONAL:</u> 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 ralues and benefits of the respective alternatives, new construction was found to be the most cost efficient over he life of the facility. Base Civil Engineer: Lt Col Andy Scrafford, 011-44-I 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.									

1. COMPONENT	FY 2002 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE	(computer generated)			
3. INSTALLATION	AND LOCATION			
RAF LAKENHEATH	. UNITED KINGDOM			
4. PROJECT TITLE		5. PROJECT NUMBER		
REPLACE SUPPLY	MATERIAL CONTROL	l N	ISET923006	
12. SUPPLEMEN	NTAL DATA:	Design I	Build	
a. Estimated	i Design Data.			
(1) Project	to be accomplished by design-build procedures			
(2) Basis:				
(a) Sta	andard of Definitive Design -		NO	
(b) Wł	nere Design Was Most Recently Used -		_	
			452	
(3) Design				
(4) Constr				
(5) Constr	02 Aug			
(6) Constr		04 Dec		
(7) Energy	Study/Life-Cycle analysis was/will be performed		YES	
b. Equipment ass appropriations:	ociated with this project will be provided from other N/A			

1. COMPONENT AIR FORCE	FY2	002	MILITA (compu	RY CONS iter gener	TRUCTIC ated)	ON PRO	OGRAM		2. DATE	Ē
3. INSTALLATION A	AND LOC	ATION		4. COMM	1AND				5. AREA	A CONST
RAF MILDENHALL,	, UNITED	KINGDC	M	UNITED	STATES	AIR FC	RCES IN		COST INDEX	
				EUROPE					1.44	
6. PERSONNEL	PER	MANENT			STUDE	NTS		SUPPO	DRTED	
STRENGTH	OFF	FNL	CIV	OFF	FNI	CIV	OFF	FNI	CIV	TOTAL
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 a	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: 107,178								_		
h. Grand Total:									370,408	
8. Projects Requested in this Program: FY2002										
CATEGORY		TIF			50	OPE		\$(000)		CMP
218-852 Avionic	s/Mainter		nnlev Pl	hase II	00	4 869	SM 9			
740-674 Fitness	Center		пріск і і			5 123	SM SM	\$11 600		
	5 Ocnici					0,120	Total \$	522,400		
					-V0002)			,,		
9a. Future Projects: I	included i	n the Foll	owing Pi	rogram: (r	-12003)	Ν	lo Projects			
9b. Future Projects:	Typically I	Planned N	lext Fou	r Years		075	CM	ኖኃ ዕድዕ		
214-425 Specia	I Purpose	e venicie i	Contor	omplex		975	SIVI	\$3,050 ©C 400		
721-312 Dormit		eaumess	Jenter			2,379		Φ0,199 Φ10 625		
721-312 Domin	ofy Office					1 0/1 2	SM	\$12,030		
740-884 Child [Developm	ent Cente	r Annex			1.160	SM	\$3,200		
0e Deel Brenerty M	ointonano			etallation		.,	0	<i>v</i> 0,000	01	
9C. Real Property Wa	Function					a a KC		drop opd	the Europe	
Tanker Task Force: h	runction	ers Third	Air Force	e: a specia	supportin al operatio	g a KC	un flving M	IC-130H/F	and MH-	53M
aircraft; a reconnaiss	ance squ	adron: an	intelliae	nce sauad	Iron; and	an air r	nobilitv s u	pport squ	adron.	
11. Outstanding pollu	ution and	safety (O	SHA) de	ficiencies:						
a. Air pollution			·						0	
b. Water pollution	n								0	
c. Occupational S	Safety and	d Health							0	
d. Other Environ	mental								0	

1. COMPONENT		FY 2002 MILITARY CON	ISTRUC	FION F	PROJECT DA	TA	2. DATE
AIR FORCE	IR FORCE (computer generated)						
3. INSTALLATION RAF MILDENHALL,	AND LOC UNITED	CATION KINGDOM	4. A\	PROJ /IONIC	ECT TITLE	ANCE COMPI	LEX PHASE II
				IECT			
5. PROGRAW ELE	CORAM ELEMENT 6. CATEGORY CODE 7. PROJECT NOMBER 8. PROJECT COST (\$00						
27590		9. COS		TES	5002		10,800
	I	TEM		UIM	QUANTITY	UNIT COST	COST (\$000)
AVIONIC/MAINTEN	ANCE CO	MPLEX PHASE 2		SM	4 869	2 0 29	8 757
AVIONICS	/			SM	669	2,020	(1.430
MAINTENANCE	FACILITY			SM	4,200	1,734	(7,283:
ANTI-TERRORIS	M FORCE	PROTECTION		LS			(44)
SUPPORTING FAC	CILITIES						1,285
UTILITIES				LS			(325)
PAVEMENTS				LS			(195)
SITE IMPROVEN	IENTS			LS			(765)
SUBTOTAL							10,042
CONTINGENCY (5.0%)						502
TOTAL CONTRACT	COST						10,544
SUPERVISION, INS	SPECTION	& OVERHEAD (2.5 %)				264
TOTAL REQUEST							10,808
TOTAL REQUEST	(ROUNDE	D)				1	10,800
FCF Budget Rate	used: Unit	ted Kingdom Pound 0.7	144				
10. Description of F exterior clad in mas communications, fir support.	Proposed (sonry and r e protectio	Construction: Reinforced metal siding, and insulate n, force protection, utilitie	concrete d single es, site ir	found pitche nprove	ation and floo d roof. Includ ements, paver	or slab, steel f es oil fired hea ments, all othe	rame structure, ating system, er necessary
11. REQUIREMEN	NT: 7,312	SM ADEQUATE: 2,443	SM SU	BSTA	NDARD: SM		
PROJECT: Avionic	s/maintena	nce complex, PhII. (Cur	rent Miss	sion)			
REQUIREMENT: to conduct avionics maintenance function	An adequ componer ons in a sir	ately sized facility is requ at repair. This is the seco ngle facility.	ired to p nd and la	erform ast pha	maintenance ase to consol	e on large-fran idate all aircra	ned aircraft and ft and avionics
CURRENT SITUAT undersized facility.	<u>ION:</u> The Maintenanc	avionics maintenance an ce of the aircraft is currer	id repair htly perfo	is curr rmed	ently conduct in a hangar u	ed in a substanced in a substanced for aircrate	andard and t washes.
IMPACT IF NOT PI aircraft mission cap	<u>ROVIDED:</u> ability.	Continued use of existing	g substa	ndard	and undersize	ed facilities se	verely impacts
ADDITIONAL: T Requirements." This submitted to NATO was done. Only on accomplished. A ce USAF Installation F Avionics: 669 SM = force protection issu	<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 prefinancing statement will be submitted to NATO in the event that future eligibility 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	FY 2002 MILITARY CONSTRUCTION PROJECT DATA 2. DATE									
AIR FORCE	(computer generated)									
3. INSTALLATION A RAF MILDENHALL,	AND LOCA UNITED K	TION INGDOM		4. PROJECT TITLE AVIONICS MAINTEN	NANCE COMF	PLEX PHASE II				
5. PROGRAM ELEM	IENT 6	6. CATEGORY CODE	7. P	ROJECT NUMBER	8. PROJI	ECT COST (\$000)				
27596		218-852		QFQE973002		10,800				
						D				

1. COMPONENT	FY 2002 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION	AND LOCATION	
RAF MILDENHALL	, UNITED KINGDOM	
I. PROJECT TITLE		5. PROJECT NUMBER
	NANCE COMPLEX PHASE II	QFQE973002
12 SUPPLEME	NTAL DATA: De	əsign Build
a. Estimated	Design Data:	
(1) Projec	t to be accomplished by design-build procedures	
(2) Basis:		
(a) Sta	andard of Definitive Design -	NO
(b) VVI	here Design Was Most Recently Used -	
(3) Desigr	Allowance	
(4) Constr	uction Contract Award Date	01 Dec
(5) Constr	ruction Start	02 Feb
(6) Constr	uction Completion	04 May
(7) Energy	Study/Life-Cycle analysis was/will be performed	YES
b. Equipment ass appropriations:	sociated with this project will be provided from other N/A	

					T A La		
	CONSTR		vin Pr	OJECT DA		. DATE	
RAF MILDENHALL, UNIT	ED KINGDOM	F	TNES	S CENTER			
5. PROGRAM ELEMEN	IT 6. CATEGORY CODE	7. PR	OJEC	T NUMBER	8. PROJECT	COST (\$000)	
27596	740-674	QE023	3006		11,600		
	9. COS		ATES			000T	
	ITEM		J/M	QUANTITY	COST	(\$000)	
FITNESS CENTER			LS			9,674	
PHYSICAL FITNESS C	ENTER		SM	5,123	1,879	(9,626	
ANTITERRORISM FOR	CE PROTECTION		LS			(48	
SUPPORTING FACILITIE	S					1,110	
UTILITIES						(300	
SITE IMPROVEMENTS						(400	
			20			10 78/	
CONTINGENCY (5.0%))					539	
TOTAL CONTRACT COS	г					11,323	
SUPERVISION, INSPECT	ION & OVERHEAD (2.5 %)				283	
TOTAL REQUEST						11,606	
TOTAL REQUEST (ROUN	IDED)					11,600	
FCF Budget Rate used:	United Kingdom Pound 0.7	144					
10. Description of Propose	ed Construction: Fitness cen	ter cons	isting (of a lobby, ac	Iministration, su	upport, locker	
rooms, gymnasium, group Center (HAWC). Includes system, fire protection, and	exercise, fitness equipment site work, reinforced concret d all utilities. Antiterrorism/for	spaces, e founda ce prote	raquet ation, s ction to	ball courts, an teel structure o meet the lo	nd a Health an , masonry exte cal threat.	d Wellness rior walls, roof	
11. REQUIREMENT: 7,9	72 SM ADEQUATE: 2,707	SM SU	BSTAN	IDARD: 532	SM		
JROJECT: Construct a fi	tness center. (Current Missio	n)					
REQUIREMENT: An ad iitness are required. Progr recreational athletic progra	equately sized facility to conc ams to be supported include ams. Antiterrorism force prote	duct com aerobic action m	iprehei s, hea easure	nsive and bala Ith and nutritions to comply w	anced program onal training, a vith local threa	s for physical nd indoor t assessments.	
CURRENT SITUATION: 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.							
IMPACT IF NOT PROVIDI sopulation's ability to mee will negatively impact quali center use will accelerate will continue to lose valuat negative physical and emo	<u>IMPACT IF NOT PROVIDED</u> : Failure to provide a suitably sized fitness center will continue to degrade the base sopulation'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.						
ADDITIONAL: This pro 1999. This project is not e	ject meets the scope/criteria iligible for NATO funding. Th	in the U e fitness	SAF F	itness Facilitie r assessment	es Design Guid determined the	e, October at new	

1. COMPONENT		FY 2002 MILITARY (CONSTR	UCTION PROJECT DA	ATA	2. DATE	
AIR FORCE	(computer generated)						
3. INSTALLATION RAF MILDENHALL,	AND LOC UNITED	CATION KINGDOM		4. PROJECT TITLE FITNESS CENTER			
5. PROGRAM ELE	MENT	6. CATEGORY CO	DE 7. P	ROJECT NUMBER	8. PROJEC	CT COST (\$000))
27596		740-674		QFQE023006		11,600	
55,144 SF Design I	Build - Des	sign Cost (4% of Sub	-total cos	t): \$492,000			
DD FORM 1391, Dec	76	Prev	vious editio	ons are obsolete.		Page No.	7

4

I. COMPONENT	FY 2002 MILITARY CONSTRUCTION PROJECT DATA		2. DATE				
AIR FORCE	(computer generated)						
3. INSTALLATION	AND LOCATION						
3AF MILDENHALL	, UNITED KINGDOM						
. PROJECT TITLE		5. P	ROJECT NUMBER				
ITNESS CENTER			QFQE023006				
		Design	Build				
a Estimator	a Estimated Design Date:						
a. Estimated	Design Data.						
(1) Projec	t to be accomplished by design-build procedures						
(2) Basis:							
(a) St	andard of Definitive Design -		NO				
(b) W	here Design Was Most Recently Used -						
(3) Design	Allowance		464				
(d) Constr (4) Constr	uction Contract Award Date		01 Dec				
(5) Const		02 Mar					
(6) Const		04 Jun					
(7) Epercy		YES					
			•				
b. Equipment ass appropriations:	sociated with this project will be provided from other						

1. COMPONENT AIR FORCE	T FY2002 MILITARY CONSTRUCTION PROGRAM 2. DATE (computer generated)									E
3. INSTALLATION A WAKE ISLAND AIR	3. INSTALLATION AND LOCATION 4. COMMAND WAKE ISLAND AIRFIELD, PACIFIC AIR FORCES									CONST INDEX
6 PERSONNEL	PER		-		STUDE	NTS		SUPPO	ORTED	
STRENGTH	OFF	FNI	CIV	OFF	ENL	CIV	OFF	FNI	CIV	TOTAL
a. As of 30 Sep 00										0
b. End FY 2005										0
		-	7. ll	VENTOR	Y DATA	\$(000)	•		• •	
a. Total Acreage		2,600)							
b. Inventory Totals a	as of: 30	Sep 00							29.024	
c. Authorization Not	Yet In Inv	ventorv:							0	
d. Authorization Req	uested In	this Pro	gram:						25,000	
e. Authorization Inclu	uded In F	ollowing l	Program	(FY200	3)				0	
f. Planned in Next Fo	our Progra	am Years	:						0	
a. Remainina Deficie	encv:								105,000	
h. Grand Total:									159,024	
8. Projects Requeste	ed in this	Program:	FY2002					000 -	DEDION	071710
CATEGORY								COST	DESIGN	STATUS
CODE PRO	DJECT TI	TLE			SC	OPE		\$(000)	START	CMP
111-111 Repair	Airfield P	avement,	Ph 1		2	21,700 \$	SM <u>s</u>	\$25,000	Jun 01	Apr 02
							Total \$	25,000		
9a. Future Projects: I	ncluded i	n the Foll	owing P	rogram: (I	FY2003)	No	Projects	;		
9 b. Future Projects: 7	Typically I	Planned N	Vext Fou	r Years	No Proj	ects				
Jc. Real Property Ma	ain <u>tenanc</u>	<u>e Backlo</u> g	g This In	stallation					0	
10. Mission or Major	Function	s: A Paci	fic Air Fo	orces insta	llation pr	oviding s	upport to	Ballistic I	Missile Def	ense
Organization test ope	erations a	nd contin	gencv er	nroute sup	port to de	eplovina ι	units.			
11. Outstanding pollu	ition and	safety (O	SHA) de	ficiencies:						
a. Air pollution									0	
b. Water pollutior	า								0	
c. Occupational S	Safety and	d Health							0	
d. Other Environmental								0		

1. COMPONENT FY 20	1. COMPONENT FY 2002 MILITARY CONSTRUCTION PROJECT DATA 2. DATE							
AIR FORCE	(compu	uter ge	enerated	I)				
3. INSTALLATION AN WAKE ISLAND	D LOCATION 4.	F	ROJEC REPAII	T TITLE R AIRFIELD P/	AVEMENT, PH	1 1		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. 1	PROJE	CT NUMBER	8. PROJEC	T COST (\$000)		
22176	111-111	, ,	YGFZ9	53010		25,000		
	9. COS	T EST	IMAT'ES					
	ITEM		U/N	QUANTITY	UNIT COST	COST (\$000)		
REPAIR RUNWAY/ISLAND	ACCESS		1.5			20 684		
REPLACE ASPHALT RU	NWAY/SHOULDER PAVE	MEN	r sm	184.900	74	(13.683		
REPAIR WHARF/MARIN	E 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-ISLAN	ID DEBRIS DISPOSAL		LS			(1,400		
SUBTOTAL						22,484		
CONTINGENCY (5.0%)						1,124		
TOTAL CONTRACT COST SUPERVISION, INSPECTIO	ON & OVERHEAD (6.5 %	.)				23,608 1,535		
TOTAL REQUEST						25.143		
TOTAL REQUEST (ROUND	ED)					25,000		
			_					
IO. 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 pulkhead , 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 .								
11. REQUIREMENT: LS	ADEQUATE: LS SUBST	ANDA	RD: L	S				
PROJECT: Repair main ru	nway pavement and wharf,	, marir	ne bulkh	ead and cause	eway. (Curren	t Mission)		
<u>REQUIREMENT:</u> Adequate runway pavement free from foreign-object-damage (FOD) risk to aircraft is required of support safe landings and takeoffs, and operation of fighter and transport aircraft at this southern enroute base. A functional wharf is required <i>to</i> 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.								
CURRENT SITUATION: The and rutting occur in the innet and has settled into a pronot rom the year 1947 is 90-1 0 but already causing the aso	and to support Island operations. Aged marine repair facility in way of repairs must be relocated. <u>CURRENT SITUATION</u> : 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 rom the year 1947 is 90-I 00 percent rusted through, exposing the soil behind to wave action. Soil is washing							

Jut, 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.

<u>MPACT IF NOT PROVIDED</u>: Aircraft safety is severely jeopardized and FOD will be an increasing safety **roblem**. Without immediate attention, the runway will continue to deteriorate to the point of complete failure and **rot** be able to support future aircraft operations. Without immediate attention, the wharf will fail to support port **perations**. The island will receive no supplies and future operations and infrastructure repairs will be impossible.

I. COMPONENT	FY 2002 MILITARY CONSTRUCTION PROJECT DATA 2. DA					
AIR FORCE	(computer generated)					
3. INSTALLATION	AND LOCATION					
		5 PRO I				
ROJECT IIILE	PAVEMENT PH 1	VGE7952010				
		1012	2933010			
12. SUPPLEME	NTAL DATA: Desig	gn, Bid, E	Build			
a. Estimated	d Design Data:					
(1) Status	:					
(a) Da	ate Design Started		29-Jun-01			
(b) Pa	arametric Cost Estimates used to develop costs		YES			
. (c) Pe	rcent Complete as of Jan 01		1 %			
. (d) Da	ate 35% Designed.		08-Oct-01			
(e) Da	ate Design Complete		28-Apr-02			
(f) End	(f) Energy Study/Life-Cycle analysis was/will be performed					
(2) Basis:						
(a) Sta	NO					
(b) WI	nere Design Was Most Recently Used -					
(3) Total (Cost (c) = (a) + (b) or(d) + (e):		(\$000)			
(a) Pr	oduction of Plans and Specifications		1,500			
(b) All	Other Design Costs		750			
(c) To	tal		2,250			
(d) Co	ontract		1,875			
(e) In	house		375			
(4) Constr	uction Contract Award Date		02 Aug			
(5) Constr	ruction Start		02 Sep			
(6) Constr	uction Completion		04 Oct			
 Indicates which is concept cost and e 	completion of Project Definition with Parametric Cost Estimate omparable to traditional 35% design to ensure valid scope and xecutability.	Э				
b. Equipment ass appropriations:	sociated with this project will be provided from other N/A					

Planning and Design

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1. COMPONENT AIR FORCE	FY2	002	MILITA (compu	RY CONS ter gener	TRUCTIC ated)	ON PRO	GRAM		2. DATE		
3. INSTALLATIO	N AND LOC	ATION		4. COMM	IAND				5. AREA	CONST	
HQ USAF, VAR	IOUS LOCA	TIONS							COST	INDEX	
										1	
6. PERSONNEL	PER	MANENT	-		STUDE	NTS		SUPP	ORTED		
STRENGTH	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL	
a. As of 30 Sep	00									0	
b. End FY 200	05									0	
	7. INVENTORY DATA \$(OOO)										
a. Total Acreage											
b. Inventory Tota	als as of: 30	Sep 00							0		
c. Authorization Not Yet In Inventory:							0				
d. Authorization Requested In this Program: 90.380											
e. Authorization Included In Following Program: (FY2003) 50,216											
f. Planned in Nex	t Four Progr	am Years	5:						254,783		
g. Remaining De	ficiency:							_	0	-	
h. Grand Total.	atad in this	Dragana	<u></u>						395,379		
B. Projects Reque	ested in this	Program	FY2002					COST	DESIGN	STATUS	
CODE	PROJECT TI	TLE			SC	OPE		\$(000)	START	СМР	
010-211 Pla	nning & Desi	gn					LS	\$79.130	TURN KEY		
010-211 Un:	specified Min	or Const	ruction					\$11,250	TUR	N KEY	
	-						Total	\$90,380			
9a. Future Projec	ts: Included	in the Fo	llowing F	rogram: (FY2003)						
010-211 Pla	nning 8 Desi	gn						\$38.716			
010-211 Un	specified Min	or Const	ruction					\$11,500			
							Total	\$50,216			
9b. Future Projec	ts: Typically	Planned I	Next Fou	r Years			rotar	\$00,210			
010-211 Pla	nning & Desi	gn					LS	\$38.504			
010-211 Un:	specified Min	or Consti	uction				LS	\$11,500			
DIO-211 Pla	nning & Desi	gn					LS	\$56,208			
010-211 Un:	specified Min	or Consti	uction				LS	\$11,500			
010-211 Pla	nning & Desi	gn					LS	\$56,878			
0 10-211 Un	specified Min	or Consti	uction				LS	\$11,500			
(310-211 Pla	nning & Desi	gn					LS	\$57,193			
010-211 Uns	specified Min	or Consti	uction				LS	\$11,500			
9c. Real Property	Maintenanc	e Backlog	g This In	stallation					0		
II. Outstanding p	ollution and a	safety (O	SHA) de	ficiencies:							
a. Air pollution	า								0		
b. Water pollu	ition								0		
c. Occupation	al Safety and	d Health							0		
d. Other Envi	d. Other Environmental 0										

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1. COMPONENT F	Y 2002 MILITARY CONS	TRUCTION P	ROJECT DAT	A 2	. DATE				
AIR FORCE	AIR FORCE (computer generated)								
3. INSTALLATION AND LOC	ATION	4. PROJ	ECT TITLE						
HQ USAF, UNKNOWN		PLANNIN	IG AND DES	IGN					
5. PROGRAM ELEMENT	6. CATEGORY CODE 7	. PROJECT	PROJECT NUMBER 8. PROJECT COST (\$000)						
91211	010-211	PAYZ020	001		79,130				
	9. COST	ESTIMATES	·		COST				
רו	ГЕМ	JIM	QUANTITY	COST	(\$000)				
PLANNING AND DESIGN		LS			79,130				
SUBTOTAL					79,130				
TOTAL CONTRACT COST					79,130				
TOTAL REQUEST					79,130				
TOTAL REQUEST (ROUNDEI	D)				79,130				
10. Description of Proposed C	construction: The funds re	quested will b	e used to pro	vide financing	for architectural				
construction programs.	construction design for All			and nost hat					
11. REQUIREMENT: LS A	DEQUATE: LS SUBSTA	NDARD: LS							
REQUIREMENT: These plai	nning and design funds ar	e required to	complete the o	design of facilit	ies in the FY03				
Military Construction Program,	initiate design of facilities	in the FY04 I	Military Constr	uction Program	n and be included in				
subsequent Military Constructi	on Programs. Also provid	es funds for v	alue engineer	ing and for the	support of				
classified and special program	gement of projects that an s.	e funded by fo	oreign governn	nents and for o	design of				

Unspecified Minor Construction

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1. COMPONENT FY 2002 MILITARY CONSTRUCTION PROJECT DATA 2. DATE								
AIR FORCE (computer generated)								
3. INSTALLATION ⊣Q USAF, UNKNOV	AND LOC VN	ATION	4. PRO UNSPE	4. PROJECT TITLE UNSPECIFIED MINOR CONSTRUCTION				
5. PROGRAM EL	EMENT	5. CATEGORY CODE	7. PROJECT	ROJECT NUMBER 8. PROJECT COST (\$000)				
91211		010-211	PAYZ020	0002		11,250		
	Į	9. COS	TESTIMATES	1				
	I	ΓEM	U/M	QUANTITY	COST	(\$000)		
JNSPECIFIED MIN	OR CONS	TRUCTION	LS			11,250		
SUBTOTAL						11,250		
TOTAL CONTRACT	COST					11,250		
TOTAL REQUEST						11,250		
TOTAL REQUEST	(ROUNDE	D)				11,250		
10. Description of P otherwise authorized funded from the ope permanent or tempo	Proposed C I by law. Merations ar prary facilit	Construction: Provide a lu linor construction project ad maintenance appropria ies.	ump sum amo is costing less ation. Includes	unt for unspec than these lin construction,	cified constructi nits are authori alteration, or c	on projects not zed to be conversion of		
11. REQUIREMEN	IT: LS A	DEQUATE: LS SUBST	ANDARD: L	3				
REQUIREMENT: projects with an esti- funded cost of \$1,00 a life, health or safe- dentified but which a requirements, suppo- junctions that could	<u>REQUIREMENT:</u> Minor construction projects authorized by 10 U. S. Code 2805 are military construction projects with an estimated funded cost between \$500,000 and \$1,500,000; however, projects with an estimated funded cost of \$1,000,000 to \$3,000,000 may be funded under this authority when specifically planned to correct a life, health or safety deficiency. This package provides a means of accomplishing urgent projects that are not dentified 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 iunctions that could not wait until availability of FY03 Military Construction Program funds.							

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