1. COMPONENT		FY 20	05 MIL	ITARY C	ONST	RUCTIO	N PROC	GRAM	2. DATE	
AIR FORCE		-						-		
INSTALLATION AND	LOCATIO	NC		COMMA	ND:			CONST		
UCKLEY AIR FOR	CE BASE			AIR FOF	RCE SI	PACE		COST IN	NDEX	1
OLORADO				COMMA	ND			1.02		
. Personnel	PE	RMANENT		ST	UDENT	S	SU	PPORTE	D	
trength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
SOF 30 SEP 03	368	2216	835	0	0	0	42	1013	1607	6,08
:ND FY 2008	365	2154	791	0	0	0	42	1013	1607	5,97:
. INVENTORY DAT	A (\$000)									
otal Acreage:		3,832								
ventory Total as of	: (30 Sep	03)								242,56(
uthorization Not Yet	in Invent	ory:								57,70(
uthorization Reques						12,24;				
uthorization Include	FY 200	)6)				23,18				
'lanned in Next Thre	e Years F	Program:	0	,		,				60,50(
lemaining Deficiency	/:	- <b>J</b>								12,00(
Frand Total:										408,19(
PROJECTS REQU	JESTED I	N THIS P	ROGR	AM:			(FY 200	5)		
ATEGORY		-					(	COST	DESIGN	STATU
ODE	PROJEC	T TITLE				SCOPE		\$.000	START	CMPL
36-773	Chapel C	Center				2.248	SM	6.100	Apr-03	Sep-04
·37-884	Child De	velopment	Center			2.423	SM	6.147	Apr-03	Sep-04
		volopinoni	Contor			Total	e.m	12.247	7.p. 00	000 01
a Future Projects:	Included i	in the Follo	wina F	program.		(EY2	006)	,		
31-111		mmunicati	ons Co	moley		5 666	SM	10 600		
24-135	Consolida	ated Fuels	Center	r		420K	GI	7 089		
40-873	Leadersh	in Develor	ment (	Ctr		2 100	SM	5 500		
10 070	Loudoron			011		Total	Olvi .	23,189		
<b>b</b> Euture Projects:	Typical P	lanned Ne	xt Thre	e Years						
1 0-243	Consolida	ated Servic	ces Fac	cility		3.171	SM	4.000		
42-758		Complex		Sincy		1 900	SM	5 500		
71-476	Small Arr	ms Range				605	SM	10 400		
'30-835	Security	Forces On	eration	s Facility		2 390	SM	7 700		
'30-441	Education	n Center	cration	5 T dointy		2,000	SM	6 200		
1 A_A25		Maintenanc	e Facil	lity/		1 812	SM	4 600		
70-511	Fire Trai	ning Eacilit		iity		1,012	FΔ	3 500		
151-147	Widen 6t	h Avenue	) (DAR)			1524	IM	3 500		
131-147 '30-837	Entry Co	ntrol Eacili				167	SM	2 500		
42-674		these Cont	or			687	SM	3 500		
42-074	Concolid	atod Boco	U Warah	01100		0 203	SM	0,000 0 100		
42-700	Consoliu	aleu Dase	valen	ouse		J,235 Total		60 500		
he Deel Drement Me		Deeldee 7	This las	tallation	(	Total		33		
<u>. Real Propery Ma</u>			THS INS		(φινι)			00	a	
U. MISSION OF Major	Functions	s: A space	group;	a space	warnin	g squad	ron; an c	operations	support s	quadron;
Verospace Data Fac	iiity; an Al	I FUICE RE	serve	Jommano	a space	warning	y squadr	on; and a	n All Natio	IIdl
suaru wing with F-I 6	o aircratt.	<b></b>								
1. Outstanding poll	ution and	Satety (OS	sha) D	eticiencie	es:			0		
a. Air pollution								U		
b. Water Pollutic				U						
c. Occupational	Satety and	d Health						U		
d. Other Enviror	mental							U		

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D Form 1390, 24 Jul 00

1. COMPONENT		FY 200	)5 MIL	TARY (	ONST	RUCTIO	N PROC	GRAM	2. DATE		
					-						
INSTALLATION AND	LOCATI	ON		СОММ	AND:			5. ARE	A CONST		
BUCKLEY AIR FOR	CE BASE			AIR FC	RCE S	PACE		COST IN	IDEX		
COLORADO				COMM	AND			1.02			
6. Personnel	PE	RMANEN		S	<b>UDEN</b>	rs	SU	IPPORTE	D		
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL	
AS OF 30 SEP 03	368	2216	835	0	0	0	42	1013	1607	6,081	
END FY 2008	365	2154	791	0	0	0	42	1013	1607	5,972	
7. INVENTORY DAT	FA (\$000)							•			
Total Acreage:		3,832									
Inventory Total as of	: (30 Se	o 03)								242,560	
Authorization Not Ye	t in Inven	tory:								57,700	
Authorization Reques	sted in thi	is Program	n:							12,247	
Authorization Include	ed in the F	- ollowing F	Progran	n:	(FY 200	)6)				35,607	
Planned in Next Thre						53,900					
Remaining Deficience	;y:	•								0	
Grand Total:	-				_				-	402,014	
8. PROJECTS REQ	UESTED	IN THIS F	ROGR	RAM:			(FY 200	5)			
CATEGORY								COST	DESIGN	STATUS	
CODE	PROJEC	<u>t title</u>				<b>SCOPE</b>		\$,000 <u>S</u>	TART	CMPL	
736-773	Chapel (	apel Center					SM	6,100	Apr-03	Sep-04	
737-884	Child De	velopment	Cente	r		2,423	SM	6,147	Apr-03	Sep-04	
		-				Total		12,247			
9a. Future Projects: Included in the Following Program: (FY2006)											
442-758	Logistics	Complex				1,900	SM	4,000			
740-873	Leadersh	nip Develo	pment	Ctr		2,100	SM	5,400			
610-243	Consolid	ated Servi	ces Fa	acility		3,171	SM	6,200			
730-441	Educatio	n Center		-		2,045	SM	4,200			
730-835	Security	Forces Op	peratior	ns Facili	ty	2,390	SM	7,200			
124-135	Consolid	ated Fuels	6 Cente	er		420K	GL	8,607			
						Total		35,607			
9b. Future Projects:	Typical F	Planned Ne	ext Thr	ee Year	s:						
131-111	ADAL C	ommunica	tions F	acility		3,347	SM	10,900			
171-476	Outdoor	Arms Ran	ge			605	SM	3,100			
214-425	Vehicle	Maintenan	ce Fac	ility		1,812	SM	4,500			
179-511	Fire Trai	ining Facili	ty			1	EA	3,500			
721-312	Dormitor	y, 132 RM	-			132	RM	8,300			
851-147	Widen 6	th Avenue				1524	М	3,000			
742-674	Fitness	Center Add	dition			687	SM	3,500			
442-758	Consolic	lated Base	Ware	house		9,293	SM	9,100			
851-147	Upgrade	Base Infra	astructu	ure PH I	V	1	EA	8,000			
						Total		53.900			
9c. Real Properv Ma	aintenanc	e Backlon	This Ir	nstallatio	n (\$M)			33			
10. Mission or Maio	r Function	ns: A space	e arour	); a spa	ce warn	ina saua	dron: ar	operatio	ns suppor	t	
squadron; Aerospac	e Data Fa	acility; an A	ir Ford	e Reser	ve Com	mand sp	bace wa	rning squa	adron; and	an <b>Air</b>	
National Guard wind	with F-1	6 aircraft				- 1		<b>U</b>			
11. Outstanding pol	lution and	Safetv (C	SHA)	Deficien	cies:						
a Air pollution			<b></b> ,	_ 0.0001				0			
b Water Polluti	on							0			
c. Occupational Safety and Health								0			
d Other Enviro	nmental							0 0			

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DD Form 1390, 24 Jul 00

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1. COMPONENT AIR FORCE		FY 2005 MILITARY	CONSTRU uter gen	CTIO	N PROJECT	DATA	2. DATE			
3. INSTALLATIO	N AND I	OCATION		4. P	ROTECT TT	TT.E				
BUCKLEY AIR FO	RCE BAS	E, COLORADO		CHAPI	EL CENTER					
5. PROGRAM ELE	EMENT	6. CATEGORY CODE	7. PROJ	PROJECT NUMBER 8. PROJECT COST (\$000)						
25004		720 772	CDI		006		(+,			
33990		/30-//3			006	,147				
		9. COS	T ESTIM	ATES						
		ITEM		I/M	DUANTITY	UNIT	COST			
HAPEL CENTER	FACILIT	Y					4 . 361			
CHAPEL CENTER				SM	2,423	1.780	( 4 31 3)			
ANTITERRORISM	/FORCE	PROTECTION		SM	2,423	20	(48)			
SUPPORTING FAC	ILITIES					-	1,180			
UTILITIES				LS			( 180)			
PAVEMENTS				LS			(450)			
SITE IMPROVEM	ENTS			LS			(240)			
SPECIAL FOUND	ATIONS			LS			( 260)			
COMMUNICATION	SUPPOR	Т		LS			( 50)			
SUBTOTAL							5,541			
CONTINGENCY	( 5.0	8)					277			
TOTAL CONTRACT	COST	-,					5,818			
SUPERVISION, II	NSPECTIO	ON AND OVERHEAD (	5.7 %)				332			
FOTAL REQUEST		•					6,150			
FOTAL REQUEST	(ROUNDE	וס					6,147			
EQUIPMENT FROM	OTHER	APPROPRIATIONS (NON-	-ADD)				( 228.0)			
0 Descriptio	n of P	roposed Construction	• Sing	le-st	orv steel	frame struc	ture with			
reinforced con	crete f	oundation and slab	fox expa	nsive	soils, s	lit-face CM	U exterior			
rith finish sy	stem ac	cents and standing s	seam meta	al ro	of. Spac	e fox worshi	ip,			
idministration	and re	ligious education. 1	Includes	util	ities, ac	cess, parkin	ng, site			
preparation, a	nd all	other support. Comp	ply with	DoD	force pro	tection requ	lirements per			
Miried facili	ties cr	lteria.								
LI CONditionin	ug: 4									
1. REQUIREMENT	: 2,4	23 SM ADEQUATE	: 0 SM	S	UBSTANDAR	D: 546SM				
PROJECT: Cons	truct a	chapel center. (N	ew Missi	on)						
LEQUIREMENT:	A 300 s	eat chapel center is	s require	ed to	provide	ministry, co	ounseling			
services, and	religio	us education to meet	the ne The ch	eds ( apel	center wi	ent party pe 11 be multi	-functional in			
lesign to accor	modate 1	use by other base or	ganizati	lons.	Air For	ce Space Cor	nmand became			
the base host of	on 1 Oc	t 00 per direction f	from the	SECA	F and the	CSAF. The	transition			
lan has autho	lan has authorized the standup of an Air Base Wing to support the active duty military									
and their depe	and their dependents. An on-base chapel center is required to meet the moral and									
and their fami	nseling. lies.	, and religious educ The facility is size	ed fox 2	eeus 482 =	or active	y members.	Estimated			
dependent popu	lation :	is 3,413. Total pop	pulation	serv	ed is 5,8	95. Install	lation is			
nuthoxized a 3	00 seat	chapel center per t	the USAF	"Rel	ligious Fa	cility Desig	m Guide",			
Feburary 2000.	Feburary 2000.									
CURRENT SITUAT	10N: 1	he Buckley Air Forc	e Base c	hape	l is locat	ed within a	temporary			
nodular struct	ure, or	iginally installed i	in 1996	and o	converted	in 2000, as	an expedient			

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L. COMPONENT		FY 2005 MILITARY CONSTRUCTION PROJECT DATA									. DATE
AIR FORCE				(comp	uter	ter generated)					
3. INSTALLATION	N AND L	AND LOCATION 4. PROJECT TITLE									
BUCKLEY AIR FORCE BASE, COLORADO				CHA	PELCENTE	ર					
5. PROGRAM ELE	MENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000)							(\$000)			
35996			730-773			CRWU043006 6,147					

olution to the transition of this ANG base to an active duty base. This modular txuctuxe also houses three other base support activities and is undersized fox ituxgical services; lacks the space and privacy fox religious education and base ounseling services. This is forcing active duty personnel and their families to attend **ervices** off base. The chapel must serve a full religious program, to include social nd educational programs to enhance the "Quality of Life" within the community.

<u>MPACT IF NOT PROVIDED:</u> Lack of space seriously impacts the entire chapel program. 'he chapel community acts as an unofficial forum fox the base's mission and morale. The **amilies** and singles who attend the chapel, commit themselves to good mental health and utual support as the practice their faith. The continued lack of space will **drive** more nd more people away from the chapel reducing base cohesiveness and a sense of community.

DDITIONAL: This project meets the scope/criteria specified in Air Force Handbook 32-084, "Facility Requirements" and the Air Force "Religious Facilities Design Guide". A reliminary analysis of reasonable options fox accommodating this project (status quo, enovation, upgrade/removal, new construction, and/ox leasing) was done. It indicates here is only one option, new construction, that will meet operational requirements. Hecause of this a full economic analysis was not performed. A Certificate of Exemption has been prepared. Base Civil Engineer: Lt Col Alfred C. Schaxff, (303) 677-6501. Thapel Center: 2,423 SM = 26,081 SF.

**IOINT USE CERTIFICATION:** This facility is programmed fox joint use with the **Army**, Navy ind Maxine Corps; however, it is fully funded by the Air Force.

1. COMPONENT		FY 2005 MILITARY	CONSTRUC	TION PROJECT	DATA	2. DATE
AIR FORCE		(comp	uter gene	rated)		
3. INSTALLATIO	ON AND L	OCATION		4. PROJECT ?	FITLE	
BUCKLEY AIR F	ORCE BAS	E, COLORADO		CHAPELCENTE	SR.	
5. PROGRAM EL	EMENT	6. CATEGORY COI	DE 7. PRO	JECT NUMBER	8. PROJECT CO	ST (\$000)
35996		730-773	CP	W1043006	6	147
		/30 //3	Cit		0,	117/
12. SUPPLEMEN	TAL DATA:	:				
a. Estimate	d Design	Data:				
(1) Statu	s:					
(a) D	ate Desig	n Started			01	-APR-03
(b) Pa	rametric	Cost Estimates us	sed to dev	velop costs		YES
* (C) Pe	ercent Co	omplete as of 01 J	TAN 2004			15%
* (d) Da	ate 35% I	Designed			15	-SEP-03
(e) D	ate Desig	n Complete			01	-SEP-04
(1) E	nergy Stu	udy/Life-Cycle ana	lysis was	/will be <b>perf</b>	ormed	YES
(2) Basis	:					
(a) S	tandard o	ox Definitive Desig	gn <del>-</del>			NO
(b) W	here Des	ign Was Most Recent	ly Used •	-		
(3) Tota	l Cost (c	;) = (a) + (b) ox (	(d) + (e):			(\$000)
(a) P	roduction	of Plans and Spe	cification	ıs		368
(b) A	ll Other	Design Costs				184
(c) T	otal					552
( <b>d</b> ) Co	ntract					460
(e) I	n-house					92
(4) Const	ruction	Contract Award				04 DEC
(5) Cons	truction	Start				05 <b>FEB</b>
(6) Cons	truction	Completion				06 FEB
• Indicat which i cost an b. Equipment	es compl s compar nd execut	etion of Project I able to traditions ability. ated with this pro	Definition al 35% des Diect prov	i with Paramet	tric Cost Estir • valid scope, • er appropriati	ons:
-1		-				
			<u>ספ</u> רריזוס דא	FISCA ADDDO	AL YEAR	COST
EQUIPMEN	T NOMENC	LATURE	APPROPRIA	LION OR RE	QUESTED	(\$000)
COMMINTO	ATIONS		3080	:	2005	78
FIIDNT GHT	NGS		3400		2005	150

Page No.

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1. COMPONENT AIR FORCE		FY 2005 MILITARY (comp	CONSTRU	JCTION	N PROJECT	DATA	2. DATE		
3. INSTALLATIO	N AND I	OCATION		4. P	ROJECT TI	TLE	-		
BUCKLEY AIR FO	RCE BAS	E, COLORADO		CHILI	DEVELOPM	IENT CENTER			
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7. PRO	DJECT NUMBER 8. PROJECT COST (\$000)					
35996		740-884	CR	WU043	007	6	,100		
		9. COS'	T ESTIN	IATES					
		ITEM		U/M	QUANTITY	UNIT	COST		
CHILD DEVELOPMENT CENTER (192 PN)									
CHILD DEVELOP	MENT CE	NTER		SM	2,248	1,780	(4.001)		
ANTITERRORISM	FORCE	PROTECTION		SM	2,240	17 <sub>T</sub>	( 38 )		
SUPPORTING FACT	ILITIES						1,490		
UTILITIES							(260)		
PAVEMENTS				LS			(350)		
SITE IMPROVEM	ENTS/PL	AYGROUND/STORAGE		LS			( 560)		
SPECIAL FOUND	ATIONS			IS			(280)		
COMMUNICATION	SUPPOR	r		LS			( 40)		
SUBTOTAL							5,530		
CONTINGENCY	( 5.0	ቴ)					276		
COTAL CONTRACT	COST						5,806		
SUPERVISION, I	NSPECTIC	N AND OVERHEAD (	5.7 %)				331		
<b>FOTAL</b> REQUEST							6,137		
FOTAL REQUEST	(ROUNDEI	))					6,100		
EQUIPMENT FROM	OTHER	APPROPRIATIONS (NON-	-ADD)				( 1,019.0)		
.0. Descriptio :einforced cond and standing se rtility spaces :omply with Do	n of Pr crete fo eam meta , utili ) force	roposed Construction oundation and floor 1 roof. Includes p ties, parking, acces protection requirem	s: Sing slab. pick-up/ ss, site ments pe	le-st Brick drop-o prep r uni	ory struct exterior, off area, aration, a fied faci:	cural steel , finish sys outdoor pla and all othe lities crite	frame with tem accents, y area, r support. ria.		
Air Conditionir	ng: 7	73Tons							
11. REQUIREMENT	: 4,2	ADEQUATE	: 2,006	SM	SUBSTAN	DARD : 0 <b>SM</b>			
PROJECT : Const	truct a	child development of	center.	(Nev	/ Mission)				
EQUIREMENT: A children of gro cesulting from the Air Force a	<b>EQUIREMENT:</b> Adequate child care facilities are required to accommodate the dependent children of growing numbers of USAF personnel assigned to Buckley Air Force Base cesulting from the establishment of a new active duty Air Base Wing. The Secretary of the Air Force and the Chief of Staff of the Air Force ortablished Air Force Correct								
Command as the	instal	lation host effectiv	ve 1 Oct	ober	2000.				
<u>CURRENT SITUATION:</u> The existing child development center at Buckley AFB was constructed for a capacity of 214 children. This center is utilized to its maximum capacity now rith an active waiting list of approximately 115 children. The addition of another 385-									
First an active waiting fist of approximately fis children. The addition of another 383- plus active duty personnel will generate an estimated demand for an additional 125 spaces. This will create a deficit of approximately 240 spaces. Using the 80% rule, 192 spaces will be required to fulfill the base requirements. Many service members are currently unable to enroll their children in the existing child development center due to the lack of capacity. Numerous child care centers exist in the metropolitan area; however, only one of these is accredited to Air Force standards. Fees charged by this Facility are two to three times the amount charged by the present child development									
- actively are tw				La Dy	SHO PLOD	unita de			

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1. COMPONENT	FY 2005 MILITARY CONSTRUCTION PROJECT DATA 2. DATE									
AIR FORCE		(computer generated)								
3. INSTALLATIO	N AND L	AND LOCATION 4. PROJECT TITLE								
BUCKLEY AIR FO	DRCE BASE, COLORADO CHILD DEVELOPMENT CENTER									
5. PROGRAMELE	IMENT	MENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000)								
35996	740-884 CRWU043007 6,100									

enter and are unaffordable for most base personnel.

MPACT IF NOT PROVIDED: If a new child development center is not provided, families ust continue to use expensive off-base programs or leave their children with unlicensed &y-sitters. Families continue to expend up to \$2,500 per child per year plus travel expenses to use off-base facilities. Since off-base center schedules do not typically accommodate the shifts or long working hours of military personnel, they impose ardships on the military personnel forced to use them. With service members continuously on call for duty, it is imperative they have reliable, convenient, wellun, safe, healthy and affordable child care facilities.

<u>IDDITIONAL:</u> A preliminary analysis of reasonable options for accomplishing this project [status quo, renovation, upgrade/removal, new construction, and/or leasing) was done. It indicates #at only one option, new construction, will meet operational requirements. Secause of this, a full economic analysis was not performed. A Certificate of Exception Has been prepared. This project meets the criteria/scope specified in Air Force landbook 32-1084, "Facility Requirements". Base Civil Engineer: Lt Col Alfred C. Scharff, (303) 677-6501. Child Development Center: 2,248 SM = 24,197 SF.

JOINT USE CERTIFICATION: This facility is programmed for use with Navy, Army and Marine Corps dependent children; however it is fully funded by the Air Force.

COMPONENT	EV 2005 MILTER			<u>ــــــــــــــــــــــــــــــــــــ</u>	2 ראידע
IR FORCE	(C	computer genera	ted)	DAIA	Z. DAIE
. INSTALLATION	AND LOCATION	4	. PROJECT T	ITLE	
UCKLEY AIR FORC	E BASE, COLORADO	c	HILD DEVELC	PMENT CENTER	
. PROGRAM ELEME	NT 6. CATEGORY	CODE 7. PROJE	CT NUMBER	8. PROJECT CO	ST (\$000)
35996	740-884	CRWI	043007	6	100
2. SUPPLEMENTAL	DATA:				
a. Estimated D	esign Data:				
(1) Status: (a) Date	Design Started			01	-APR-03
(b) Para	metric Cost Estimates	s used to deve	lop costs	01	YES
• (c) Perce	ent Complete as of 0	1 JAN 2004			15%
* (d) Date	35% Designed			10	-SEP-03
(e) Date	Design Complete	<b>.</b>		01	-SEP-04
(1) Ener	gy Study/Life-Cycle a	analysis was/w	ill be peri	ormed	YES
(2) Basis:					
(a) Stand	dard or Definitive De	esign =			NO
(b) where	Design was most Rec	cently Used -			
(3) Total C	ost(c) = (a) t(b) c	or (d) t (e) :			(\$000)
(a) Prod	uction of Plans and	Specifications			366
(D) All C	ther Design Costs				183
(d) Conti	ract				457
(e) In-ho	ouse				92
(4) Construc	ction Contract Award				04 DEC
(5) Construc	ction Start				05 FEB
(6) Constru	ction Completion				06 <b>FEB</b>
* Indicates which is o cost and o	completion of Projec comparable to traditi executability.	ct Definition onal 35% desig	with Paramet m to ensure	cric Cost Estin valid scope,	nate
b. Equipment a	associated with this	project provid	led from oth	ner appropriati	.ons:
EQUIPMENT 1	OMENCLATURE	PROCURING APPROPRIATIO	FISCA APPROI ON OR RE	L YEAR PRIATED QUESTED	COST (\$000)
FURNISHINGS,	KITCHEN EQUIPMENT	3400	2	005	600
COMMUNICATI	ONS	3080	2	005	69
PLAYGROUND	EQUIPMENT	3080	2	005	350

1. COMPONENT		FY 200	5 MIL	ITARY C	ONST	RUCTIO	N PROC	GRAM	2. DATE	·
				4 0.01						
. INSTALLATION A		ATION		4. CON				5. AREA	A CONST	
	E BASE							COSTIN	NDEX	
			-	TRAIN	NG CC	MMAND		0.79		=
I. Personnel	PE	RMANENT		ST	UDEN	rs	SU	IPPORTE	D	
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
<b>\S</b> OF 30 SEP 02	763	3432	1740	121	66	0	0	0	0	6,122
:ND FY 2007	764	3588	1698	121	66	0	0	0	0	6,237
. INVENTORY DATA (\$000)										
<ol> <li>Total Acreage:</li> </ol>	28,824									
<ol> <li>Inventory Total as</li> </ol>	of : (30 \$	Sep 02)								<b>1,</b> 196,741 <b>1</b>
:. Authorization Not	Yet in Inv	entory:								52,117
I. Authorization Requested in this Program:										18,962
. Authorization Included in the Following Program: (FY 2006) 2										24,000
Planned in Next T	hree Yea	rs Progran	n:							9,975
J. Remaining Deficie	ency:	•								22950
i. Grand Total:	•									1,324,748
). PROJECTS REQU	JESTED	IN THIS P	ROGR	AM:			(FY 200	5)		
CATEGORY							(	COST	DESIGN	STATUS
CODE	PROJEC	T TITI F				SCOPE		\$.000 S	TART	CMPL
71-211	F-22 Op	erations Fa	acility Δ	ddition		750	SM	1 548	Mar 03	Sen 04
11_177	F-22 Sou	uadron On	eration	c/AMI1		6 972	SM	17 414	Mar03	Sep 04
.11*177	1-22 540	Total 18 962								
a Future Projects	Included	in the Foll	owina	Program		(FY)	2006)			
310-285	1 st Δir F	Force Head	lauarter	s <b>-</b> Ph 2		6 040	SM	16 000		
·21-312	Dormitor		iquarter \	3-1112		120	RM	8 000		
21-012	Domitor	y (120 1\lvi	)			Total		24 000		
h Future Projects:	Typical P	lanned Ne	vt Thr	o Voar		Total		21,000		
42-647	Fitness	Contor			<b>.</b>	5 306	SM	9 975		
42-047	1 111655	Center				Total	OW	9,975		
)c Bool Broporty M	aintanana	o Pooklog	Thio Ir	atallatio	n (¢N/I)	Total		73		
C. Real Property IVIA	aintenanc		This in	istaliatio	n (⊅ivi)			73		
IO. Mission or Major	r Function	is: A fighte	r trainii	ng wing	with thre	e ⊦-15 s	squadror	ns respon	sible for t	raining all
15 aircrews; Air Co	ombat Co	mmand's I	Headqu	larters F	Irst Air	⊢orce, a	weapon	s evaluati	on group	, Southeas
Air Defense Sector; a	and the A	Ir Force Ci	vil Eng	ineering	Suppor	t Agency	<i>'</i> .			
II. Outstanding pollu	ition and	Safety (OS	SHA) D	Deficienc	ies:			•		
a. Air pollution								0		
										1
b. Water Pollution	on							0		
c. Occupational	Safety an	d Health						0		
d. Other Enviror	nmental							0		

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+									
1. COMPONENT AIR FORCE	FY 2005 MILITARY CONSTRUCTION PROJECT DATA 2. DATE (computer generated)								
	ΔΝΓΟ Τ	OCATION			4 D	פַרַיד	PT.F		
TYNDALL ATD DO									
TINDALL AIR FO	RCE BA	SE, FLORIDA			E-22	SQUAD OPS,	AMU/HANGAR		
5. PROGRAM ELEM	ENT	6. CATEGO	RY CODE	7. PROC	JECT ]	NUMBER	8. PROJECT	COST (\$000)	
27219		211-1	77	XL	WU053	001	1	7,414	
			9. COS	T ESTIM	ATES		-		
		ITEM			U/M_	QUANTITY	UNIT	COST	
F-22 SQUAD OPS/A	MU/HAI	IGAR						11,221	
MAINTENANCE HAN	IGAR/AI	UV			SM	5,332	1,580	(8,425)	
SQUADRON OPERAT	TIONS				SM 1	1,640	1,620	(2,657)	
ANTITERRORISM H	FORCE	PROTECTION			SM	6,972	20	(139)	
SUPPORTING FACI	LITIES							4,450	
UTILITIES					LS 1			( 1,650)	
PAVEMENTS					LS 1	-		( 1,125)	
SITE IMPROVEMEN	ITS				LS ]			(635)	
RELOCATE RAMP	LIGHTI	NG			LS 1	:		( 620)	
DEMOLITION					SM	1,921	62	( 120)	
ABATEMENT					SM	1,921	156	( 300)	
SUBTOTAL								15,671	
CONTINGENCY	( 5.0	<del>ዩ</del> )						784	
TOTAL CONTRACT	COST	•						16,454	
SUPERVISION, INS	SPECTIC	N AND OVERH	IEAD (	5.7 %)				938	
TOTAL REQUEST								17,392	
TOTAL REQUEST (1	ROUNDEI	))						17,414	
10 Description	of P	coposed Cons	truction	. Cons	truct	special	foundation	and pilings.	
split-faced maso	nry bl	ock and met	al panel	l walls,	stan	ding seam	metal roof	, secure work	
areas, fire supp	ressi	on/detection	, and H	VAC. Co	mplet	e asbesto	s abatement	, demolition	
of buildings (1,	921 SI	() and suppo	rt utili	ities in	way	of constr	uction. In	clude F-22 top	
secret security	featu	res and ant	iterror	ism force	prot	ection me	asures.		
Air Conditioning	: 22	5Tons							
11. REQUIREMENT:	393,	859 SM	ADEQUAT	E: 318,	841 S	M SUBST	ANDARD: 71,2	233 SM	
PROJECT: Constr	ruct F	-22 Consolid	lated Sq	uadron O	perat	ions/AMU/	Hangar (New	Mission)	
REQUIREMENT: Ad	lequate	ely sized, c	onfigure	ed and a	secure	e facility	providing	squadron	
operations, cove	ered m	aintenance a	rea and	mainten	ance	managemen	t space is :	required to	
support the bed	down of	E the next g	generati	on F-22	fight	ter at Tyr	dall AFB. Th	ne F-22 is	
built with compo	osite 1	materials to	meet s	tealth n	nissio	n require	ments. Due	to the	
maintenance faci	lon or litv m	the F-22 a: have a	control	quick <b>bur</b> i led envi	n rat	e or comp nt. fire	protection	ais, the and security	
provisions. The	is pro	ject support	s the de	elivery	of ai	rcraft in	FY07 and be	ddown of the	
second F-22 train	ning s	quadron at !	Fyndall	AFB. A	ntite	rrorism f	orce protect	ion measures	
will comply with	h mini	mum DoD Forc	e Protec	tion Con	nstru	ction Star	ndards.		
CURRENT SITUATIO	CURRENT SITUATION: In order to accommodate the full F-22 training program, a second F-								
22 flying squadre	on wil	l be establ:	ished at	Tyndal	1 AFH	. F-22s	will be del:	ivered in a	
phased program	for pilc	t training	as iden	tified i	in the	e 2000 SA	TAF report.	The F-15	
training mission	n will	continue an	nd then	slowly	decli	ne after	the delivery	of the second	

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L. COMPONENT		FY 2005 MILITARY	CONSTR	UCTION PROJECT	DATA	2. DATE
AIR FORCE		(comp	uter gei	lerated)		
3. INSTALLATIC	N AND L	OCATION		4. PROJECT TI	TLE	
	ACE DID			1 2200000 010		
5. PROGRAM ELI	MENT	6. CATEGORY CODE	7. PRO	JECT NUMBER	8. PROJECT CO	ST (\$000)
27219		211-177	XI	WU053001	17,4	14
F-22 squadron. as it draws do required for t classified mis there are no f operations. T lighting runs be placed unde installation a (adjacent han <u>IMPACT IF NOT</u> writhout a new Frogram will n Froduction of <u>ADDITIONAL:</u> T 1,084, "Facilit accomplishing indicates ther therefore, a S been prepared. Consolidated S SF, AMU/ Hanga JOINT USE CER are incompatik	Since wn, all he F-15 sion of acilitic he main directly rground nd rear: gar) wi <u>PROVIDEI</u> consolit of be all the Air his pro y Requi this pro e is on cull eco Base squadron r = 5,3: <u>TIFICATI</u> le with	the F-15 mission wi existing aircraft m mission and the fir the F-22 dictates is so n base that can overhead electrical over the building with new transforme rangement of a port: .11 be required. <u>&gt;:</u> Tyndall AFB will idated operations/mat ole to provide enoug Force's newest weap ject meets the crit rements." A prelimit oject (status quo, a ly one option that y nomic analysis was Civil Engineer: Lt Ops/AMU/Hangar: 6 32SM/57,372 SF. <u>ON:</u> Mission required use by other composi-	ill oper maintena rst half that fac be conv l distri- site of ers. Al ion of o l not be intenance gh train con syst reria/sc inary a: add to a will sat not per: . Col Jer ,972 SM ments.	rate concurrent ance units and of the F-22 m cilities cannot verted for F-22 ibution feeder this hangar. so, because of existing ramp/l a able to support hed pilots to b em. cope specified nalysis of reast and alter, and tisfy operation formed. A cert rry K. Weldon ( = 75,018 SF; so operational cost	tly with the F- hangar spaces mission. In ac be shared. F 2 maintenance a for the aircra This feeder w E the location, hangar access l ort this additi e F-22 pilot tr keep pace with in Air Force Ha sonable options new constructi nal requirement tificate of exc (850) 283-3283. Squad Ops = 1,6 nsiderations an	22 mission will be idition, the resently, nd flying ift ramp 'ill have to the ighting .ve mission aining the ndbook 32- for on) s; eption has F-22 540 SM/17,646 ad location

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h						1				
COMPONENT		FY 2005 MILITARY CO	NSTR	UCTION PROJECT	DATA	2. DATE				
AIR FORCE		(compute	r gei	nerated)						
3. INSTALLATI	ON AND LC	CATION		4. PROJECT TIT	LE					
PYNDALL AIR F	ORCE BASE	, FLORIDA		F-22SQUAD OPS/	AMU/HANGAR					
5. PROGRAM E	LEMENT	6. CATEGORY CODE	7. P	ROJECT NUMBER	8. PROJECT CO	ST (\$000)				
27219		211-177		XLWU053001	17,	414				
12. SUPPLEMENTAL DATA:										
a. Estimate	d Design	Data:								
(1) Proje	ect to be	accomplished by des	ign-b	uild procedures						
(2) Basis (a) S (b) W	: tandard o here Desi	or <b>Definitive Design</b> . <b>gn Was</b> Most <b>Recently</b>	- Used			NO				
(3) All Other Design Costs 522										
(4) Const	ruction (	Contract Award				05 FEB				
(5) Const	ruction a	Start				05 APR				
(6) Const	ruction (	Completion				07 APR				
(7) Energ	gy Study/1	Life-Cycle analysis v	was/w	ill be performe	ed	YES				
b. Equipmen N/A	nt associa	ted with this projec	ct pr	rovided from ot	her appropriati	lons:				

1. COMPONENT AIR FORCE	FY 2005 MILITARY CONSTRUCTION PROJECT DATA 2. DATE									
3. INSTALLATION AND I	LOCATION	_	4. P	ROJECT TI	TLE	I				
TYNDALL AIR FORCE BAS	SE. FLORIDA		F-22	OPERATIO	NS FACILITY	ADDITION				
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PRO	JECT	NUMBER	8. PROJECT	COST (\$000)				
27219	171-211	XL	WU053002 1.548			L.548				
	9. COS	T EST11	ATES	Į						
		•			UNIT	COST				
	TTEM		ĭ∕M.	QUANTITY	-					
F-22 OPERATIONS FACIL	ITY ADDITION					1,227				
FLIGHT ACADEMICS TRA	INING ADDITION		SM	750	1,623	(1,217)				
ANTITERRORISM FORCE	PROTECTION		SM	750	13	(10)				
SUPPORTING FACILITIES						164				
			TC			104				
PAVEMENTS			LS			(43)				
SITE IMPROVEMENTS			LS			( 11)				
CIIDTOTAT						1 201				
CONTINGENCY ( E O	¢ )					1,391				
TOTAL CONTRACT COST	τ)					1 461				
SUDEDVISION INSDECTI	NI AND OVERHEAD (	578)				1,401				
TOTAL DECUERT	ON AND OVERHEAD (	5.7 %)				1 544				
TOTAL REQUEST	))					1,544				
pperations facility wi standing seam metal ro controls, communicatio	th special reinforco of, additional secu n networking and al	ed foun writy an l neces	datio nd sh: sary	ns, split ielding p support.	-faced block rovisions, e	x walls, nvironmental				
11. REQUIREMENT: 41,5	08 SM ADEQUAT	E: 33,50	08 SM	SUBSI	ANDARD : 0 SI	М				
PROJECT: Add to F-22	Operations Facility	r (New M	issio	n)						
<u>EXCURCE1:</u> Add to F-22 Operations Facility (New Mission) <u>BEQUIREMENT:</u> Adequately sized, configured and secure operations facility providing simulator and academic flight training is required to support the next generation F-22 Cighter. Due to the classified mission of the F-22, this facility must be shielded and have the necessary security provisions. Antiterrorism force protection measures will comply with minimum DoD Force Protection Construction Standards <u>UURRENT SITUATION:</u> An increase in flight academics training space is required to provide secure training and mission briefs for a second squadron of F-22's bedding down at Tyndall AFB. This squadron is scheduled to arrive in FY07. The current F-22 pilot academic training facility is not large enough to support an additional training squadron. The initial FY2000 F-22 beddown site survey report identified construction of an addition to the existing facility as the preferred solution. <u>IMPACT IF NOT PROVIDED:</u> The second F-22 fighter training squadron cannot function at Tyndall AFB without a properly shielded and secure facility for necessary academic training. Without this space, F-22 pilot qualification training cannot be conducted here, and F-22 pilot training will be delayed. <u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32- 1084, "Facility Requirements." A preliminary analysis of reasonable options for accomplishing this project (status quo, add to and alter, and new construction)										
indicates there is on Therefore, a full eco	ly one option that nomic analysis was n	will sat not perf	tisfy ormed	operatior . A cert	al requireme ificate of o	ents. exception has				

COMPONENT		FY 2005 MILITA	RY CO	ONSTR	UCTION PROJECT	DATA	2. DATE
IR FORCE		( co	mpute	er ge	nerated)		
I. INSTALLATIO	ON AND L	OCATION			4. PROJECT TI	TLE	
YNDALL AIR FO	ORCE BAS	E, FLORIDA			F-22 OPERATIO	NS FACILITY AD	DITION
). PROGRAMELE	MENT	6. CATEGORY CO	DE 7.	PRO	JECT NUMBER	8. PROJECT COS	r (\$000)
27219		171-211		XI	WU053002	1,54	18
een prepared. perations Fac OINT USE CERI	Base ( cility 2 TIFICATIO	Civil Engineer: Addition: 750 sm DN: Mission requi	Lt Co = 8,00	ol Jo 00 SF.	hn K Borland, operational co	(850) 283-328 nsiderations, a	3. F-22
re incompatib	le with	use by other con	ponen	ts.	-		
DD FORM 1391,	DEC 99	Previous	edit	ions	are obsolete.	Pa	age No.

1. COMPONENT AIR FORCE		FY 2005 MILITARY C	ONSTRUC	TION PROJECT	DATA	2. DATE						
2 737677777777			<b>.</b>									
5. INSTALLATIO	UN AND L	OCATION		4. PROJECT 1	TITLE							
TYNDALL AIR F	ORCE EAS	E, FLORIDA	-	F-22 OPERATI	IONS FACILITY	ADDITION						
5. PROGRAM EL	EMENT	6. CATEGORY CODE	7. PROJ	JECT NUMBER	8. PROJECT CO	ST (\$000)						
27219		171-211	XL	WU053002	1,	548						
12. SUPPLEMEN	TAL DATA:	-	-		l							
a. Estimate	d Design	Data:										
(1) Statu	s:											
(a) Da	ate Desig	n Started			15	-MAR-03						
(b) Parametric Cost Estimates used to develop costs												
* (c) Pe	ercent Co	mplete as of 01 JAN	2004			15%						
• (d) Da	te 35% D	esigned			01	-AUG-03						
(e) Da	ate Desig	n Complete			03	-SEP-04						
(f) En	ergy Stu	dy/Life-Cycle analys	is was/	will be perf	ormed	YES						
(2) Desig	_											
(2) Basis	: Londond .		_			200						
(a) S (b) W	tandard d bere Desi	or Definitive Design				NO						
(D) W	Here Desi	ign was most recently	useu -									
(3) Total	l Cost (d	c) = (a) t (b) or <b>(d</b>	)t(e):			(\$000)						
(a) P	roduction	n of Plans and Specif	ication	S		93						
(b) A	ll Other I	Design Costs				46						
(c) To	tal					139						
(d) C	ontract					123						
(e) In	-house					16						
(4) Const	ruction	Contract Award				05 JAN						
(5) Const	truction	Start				05 MAR						
(6) Const	truction	Completion				06 MAR						
• Indicat which i cost ar	es compl s compar nd execut	letion of Project Defi able to traditional ability.	nition 35% des	with Paramet ign to ensure	ric Cost Estin valid scope,	late						
b. Equipmer N/A	nt associ	ated with this proj	ect pro	wided from o	ther appropriati	.ons						
D FORM 1391, 1	DEC 99	Previous edit	ions ar	re obsolete.	Pa	ige No.						

1. COMPONENT		FY 200	)5 MILI	TARY (	CONST	RUCTIO	N PROC	GRAM	2. DATE	
AIR FORCE										
3. INSTALLATION A	ND LOC	ATION		4. CO	MMAN	):		5. AREA	A CONST	
ROBINS AIR FORCE	E BASE			AIR FC	RCE M	IATERIE	L	COSTIN	NDEX	
GEORGIA				СОММ	AND:			0.82		
6. Personnel	PE	RMANENI		S	TUDEN	TS	SL	<b>JPPORTE</b>	D	
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 03	1608	7058	14952		13		2	2	20	23,655
END FY 2008	1566	6978	14853		13		2	2	20	23,434
7. INVENTORY DAT	A (\$000)									·
Total Acreage:	•	8,722								
Inventory Total as of	: (30 Sep	03)								1,914,573
Authorization Not Ye	t in Invent	ory:								85,660
Authorization Reques	sted in thi	s Program	:							15,000
Authorization Include	rogram	(FY 20	06)				20,000			
Planned in Next Thre	e Years F	Program:	-		•					121,400
Remaining Deficienc	y:	-								322,980
Grand Total:	•									2,479,613
8. PROJECTS REQU	JESTED	IN THIS P	ROGR	AM:			(FY 200	)5)		, ,
CATEGORY							•	COST	DESIGN	STATUS
CODE	PROJEC	TTITLE				SCOPE		\$.000	START	CMPL
113-321	Aircraft F	lamp				11	HE	15.000	Desian B	uild
						Total		15.000	<b>3</b>	
9a. Future Projects:	Included	in the Foll	owina F	Program	ו:	(FY2	(006)			
141-764	Software	Support F	acility			7.432	SM	20.000		
						Total		20.000		
9b. Future Projects:	Typical P	lanned Ne	xt Thre	e Years	s:					
130-142	Replace	Fire/Crash	Rescu	e Statio	n	2.300	SM	6.300		
136-661	Approact	n Liahtina (	System			1	LS	2.000		
211-116	Depot Ma	aintenance	Suppo	ort Hang	ar	4.682	SM	8.600		
211-152	Advance	d Metal Fir	nishina	Facility.	Ph 1	11.613	SM	30,000		
211-152	Aircraft C	Component	Repair	r Facility	/	6,690	SM	20,000		
217-712	Avionics	Facility (1	16 A'CV	V) ĺ		1,858	SM	3,800		
217-742	51 st Cor	nbat Comr	nunicati	ions Sai	Jadron	2,700	SM	5,000		
	Operatio	ns		<b>·</b>						
217-742	54th Cor	nbat Comr	nunicat	ions Sa	uadron	2,700	SM	7,200		
	Operatio	ns	lanoat	10110 04	0001011	-,				
218-712	Replace	Ground St	ipport F	auipme	ent Mnt	4 924	SM	9.000		
210-712	Facility	Cround Ct	ppont	-quipine		-1,021	0.01	0,000		
610-675	Consolid	ate Logisti	cs Faci	lity Dep	ot	6.505	SM	10.000		
	Operatio	ns	00.00			0,000	0	,		
721-315	Visiting	Quarters				4.600	SM	8.300		
730-835	Security	Forces Fa	cility			3,763	SM	7.200		
831-145	Upgrade	Domestic	/Industr	ial Sewa	aae	1	LS	4.000		
001 140	opgrade	Bonneodio			-9-	Total		121,400		
9c. Real Properv Ma	intenance	Backlog	This Inc	stallatio	n (\$M)			104		
10 Mission or Major	Eunction	: Warner	Pobine	Airlogi	istics C	ontor whi	ch is rea	sponsible	for logisti	22
management suppo	runcions rt and da	ot level m	aintena	nce of a	evetom		a E-15		5 C-1/1	and L-2
aircraft helicopters	missiles a	and remote	ly nilote	ad vehic	los: an	air hase y	yina an	air contr	-0, 0-1 <del>4</del> 1, htwina: U	
Reserve Command	on Air Mo	hility Com	nand a	ir refuel	ina area	in with K	nny, an C_135 o	ircraft: an		hat
communications cro		villy COM	nanu a one flia	ht with I	=C_1 27	D aircraft	l'an Δir	National (	Guard bor	nh wing with
B-1B aircraft: and an	up, a spec	ai uperali			_0-13/			national		no wing with
D- ID ancialt, and al		<u>, connun</u>	group.							

1. COMPONENT AIR FORCE	FY 2005 MIL	TARY CONSTRUCTION PROG	RAM	2. DATE			
3. INSTALLATION AND LOC. ROBINS AIR FORCE BASE GEORGIA	ATION	4. COMMAND: AIR FORCE MATERIEL COMMAND:	5. AREA COST IN 0.82	A CONST NDEX			
<ol> <li>Outstanding pollution and a. Air pollution</li> </ol>	Safety (OSHA) [	Deficiencies:	0				
b. Water Pollution			0				
c. Occupational Safety an	id Health		0				
d. Other Environmental			0				

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1. COMPONENT		FY 2005 MILITARY	CONSTRU	CTION	PROJEC	T DATA	2. DATE	
AIR FORCE		(Compu	iter gei	herate	ed)			
3. INSTALLATIO	N AND L	OCATION		4. P	ROJECT TI	<b>FLE</b>		
ROBINS AIR FOR	RCE BASE	, GEORGIA		AIRCF	AFT RAMP			
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7. PRC	PROJECT NUMBER 8. PROJECT COST (\$000)				
72896		113-321	UH	HZ003	009	1	5,000	
		9. COS	r esti	MATES	-			
		ITEM		1/M	DUANTITY	UNIT	COST	
AIRCRAFT RAMP							13,558	
CONCRETE RAMP				SM	153,661	51	(7837)	
BLAST FENCE	ENDWALL.	S. & FOINDATTON		LM	640	980	( 7,837 )	
ASPHALT SHOUL				SM	18 000	16	( 200)	
BAGE/GUBBAGE				GM	171 661	28		
					1/1/001	20	( 4,807)	
SUPPORTING FF	ACILITIES						45	
DEMOLITION OF	TAXIWA	Y		SM	1,000	45	( 45)	
SUBTOTAL							13,603	
CONTINGENCY	( 5.0	%)					680	
TOTAL CONTRACT	COST						14,284	
SUPERVISION, I	NSPECTIO	N AND OVERHEAD (	5.7 %)				814	
TOTAL REQUEST							15,098	
TOTAL REQUEST	(ROUNDEI	))					15,000	
LO. Descriptio From 8 - 10 ind for the Function netal blast fer interface for a concrete taxiwa	n <i>Of</i> Pr ches) wi onal Tes nce and a follow <b>ay</b> in th	oposed Construction ith 4 inch thick as at process. Install end wall barrier at w-on fuel hydrant pr ne way of constructi	: Cons phalt sh a cont the edg oject. on.	truct noulde inuou ge of Demo	a concret er to supp s aircraft the new p lish a pop	e ramp (dep ort addition jet engine camp and pro- ction of the	oth varies Dal parking 9 exhaust Dvide 2 existing	
11. REQUIREMENT	LS	ADEQUATE: LS	SUBSTAN	DARD:	LS			
PROJECT: Const	ruct Ai	rcraft Ramp. (Curre	nt Miss	ion)				
REQUIREMENT:	An expan	sion to the existin	g funct	ional	test ramp	is <b>require</b>	d to improve	
:he aircraft ov	verhaul	processes by increa	sing ran	np sp	ace and ex	panding the	blast fence	
capabilities in	n the f	unctional test area	yieldir	ng ind	creased pr	ocessing ef:	ficiency, more	
MIRCELIVE use	of produ about	Each tost spot will	a incre	ased	available	time IOI ad	nent to	
Service any ty	pe or s	ize of aircraft und	ergoing	Prog	rammed Dep	ot Maintenar	nce (PDM) at	
Robins AFB. Th	he expan	nded parking area wi	ll prov	ide a	additional	space betwe	en aircraft	
and provide a	<b>safer</b> w	ork environment for	the worl	kers.	A contin	uous metal	blast fence	
and end wall ba	arrier i	s needed for the fu	inctiona	l tes	t area to	insure all	parking spots	
Ire capable of	conduct	ing engine run test	s for a	ny <b>g</b> i	<b>ven</b> aircra	ft. The bl	ast fence and	
<pre>&gt;nd wall barrie leflection and</pre>	er will elimina	ensure compliance w ting the possibility	vith env y of so	vironm il er	ental star osion.	ndards by pr	oviding noise:	
URRENT SITUAT	ION: E>	isting aircraft ram	p space	is i	nadequate	to accommod	late the number	
and size of ai	rcraft (	that must undergo fu	unctiona	l fli	ght-testin	g prior to	completion of	
:heir PDM acti	vities.	Because of the res	tricted	size	of the fu	nctional te	st area the	
required wing-t	cip clea	rance for parked ai	rcraft	is of	ten not ob	tainable an	d waivers to	
:he criteria an	re requi	red. Aircraft park	ed with	less	than the	required cl	ear space must	
De moved before	e some p	PDM work can be acco	mplished	1.	wnen adequ	ate ramp sp	ace or	

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1. COMPONENT	FY 2005 MILITARY	CONSTRUCTION PROJECT	DATA 2. DATE							
AIR FORCE	(computer generated)									
3. INSTALLATION AND LOCATION 4. PROJECT TITLE										
ROBINS AIR FORCE BAS	INS AIR FORCE BASE, GEORGIA (AIRCRAFT RAMP									
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)							
72896	113-321	UHHZ003009	15,000							

learance is not available the aircraft and support equipment must be towed roughly 1.6 iles to another location for PDM operations. Personnel and their toolboxes must also e transported to this area until PDM repair operations are completed. The limited ramp pace available is currently cluttered with equipment. Taxiing or towing of any ircraft in this restricted space can lead to damage of the equipment or aircraft. urrently the limited number of test spaces does not allow for any flexibility in the est schedule and increases the functional test process flow days by 15% for cargo ircraft. An existing C-130 functional test area (known **as** Line 9) is located on an **xisting taxiway** in the way of the new expansion. The current Work at Line 9 will be woved to the new functional test area.

<u>MPACT IF NOT PROVIDED:</u> Personnel and processes will continue to undergo unnecessary cheduling conflicts and inefficiencies. The rigid ramp configuration will continue to xact unnecessary delays and increase PDM flow days. Further, the inability to mplement workload changes between aircraft systems will continue to be impaired. <u>DDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-

.084, "Facility Requirements." An economic analysis has been prepared comparing the ilternatives of new construction, and status **quo** operation. Based on the net present ralues and benefits of the respective alternatives, new construction was found to be **the** iost cost efficient over the life of the project. Base Civil Engineer: Col Linden J. iorchia, (478) 926-3093. Concrete Ramp: 153,661 SM = 1,650,000 SF; Blast Fence/Endwalls: i40 LM = 2100 LF; Asphalt Shoulder: 18,000 SM = 193,700 SF. Design Build - Design Costrs i4% of Subtotal Cost): \$545,000.

**IOINT USE CERTIFICATION:** This facility can be used by other components on an "**as ivailable**" basis; however, the scope of the project is based on Air Force requirements.



			1									
1. COMPONENT	FY 2005 MILITARY C	CONSTRUCTION PROJECT	DATA 2. DATE									
AIR FORCE	(compute	er generated)										
3. INSTALLATION AND I	OCATION	4. PROJECT TI	TLE									
ROBINS AIR FORCE EASE	, GEORGIA	AIRCRAFT RAMP										
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)									
72896	113-321	UHHZ003009	15,000									
12. SUPPLEMENTAL DATA												
a. Estimated Design	Data:											
(1) Project to be	accomplished by dea	sign-build procedures	ł									
(2) Basis:												
<ul> <li>(2) Basis:</li> <li>(a) Standard or Definitive Design - NO</li> <li>(b) Where Design Was Most Recently Used -</li> </ul>												
(3) All Other Des	ign Costs		407									
(4) Construction	Contract Award		04 DEC									
(5) Construction	Start		05 JAN									
(6) Construction	Completion		06 <b>MAR</b>									
(7) Energy Study/	Life-Cycle analysis	was/will be performe	d NO									
b. Equipment associ N/A	ated with this proje	ect provided <b>from</b> ot	her appropriations:									

Page No.

1. COMPONENT		F`	Y 2005	MILITA	ARY CON	STRUCTIO	ON PRO	DGRAM	2. DATE	
		<u> </u>								
3. INSTALLATION	AND LO	CATION		4. CON	MMAND:			5. AREA CO	DNST	
HICKAM AIR FORG	JE BASE			PACIFI	C AIR FC	RCES		COST INDE	<	
HAWAII								1.5	5	
6. Personnel	PE	RMANENT		ST	TUDENTS		SU	IPPORTED		
Strength	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
AS OF 30 SEP 03	1157	5,132	3,215	0	0	0	0		0 1,234	10,73
END FY 2008	1126	4,939	3,020	0	0	0	0		1234	10,31
7. INVENTORY DA	ATA (\$00	0)								
Total Acreage:	2,	851								
Inventory Total as o	of:(30 S	ep 03)								4,722,03
Authorization Not Y	et in Inve	entory:								79,65
Authorization Requ	ested in t	this Progra	m:							25,90
Authorization Incluc	led in the	e Following	Progra	am:	(FY 2006	)				44,50
Planned in Next Th	ree Year	s Program	:							188,69
Remaining Deficier	ncy:									432,15
Grand Total:										5,492,92
8. PROJECTS REC	QUESTEI	d in this	PROG	RAM:			(FY 200	5)		
CATEGORY								COST	DESIGN	STATUS
CODE	PROJEC	<u>T TITLE</u>				<u>SCOPE</u>		<u>\$,000 s</u> t	<u> </u>	<u>C M P L</u>
442-758	C-17 Alte	er Mainten	ance/S	upply Ar	eas	9,357	SM	9,000	Feb-03	Sep-04
116-672	C-17 Cle	ar Water F	Rinse			1	LS	4,300	Feb-03	Sep-04
422-253	C-17 Mu	nitions Sto	rage			507	SM	1,950	Feb-03	Sep-04
211-152	C-I 7 Ma	intenance	Shop F	acility		2,439	SM	8,200	Design-E	Build
842-245	C-17 Su	oport Utilitie	es. Pha	ise II		4.050	LM	2.450	Feb-03	Sep-04
	1	1	, -			,	Total	25,900		
00 Euture Dreigete		d in the F	مالميرنام	- Droard		(EV00		23,900		
9a. Future Projects			onowing ooo/Dri	y Piogra	1111. Imnr	(F120	100	7 000		
701 147				Ng/Alea	Impi Ilita Statia	2 450	E.O SM	12 600		
731-14Z	Lingrado	Electrical	Dictrib	tion Su	nile Stalio	3,459		23,000		
012-220	Opyraue	Electrical	DISTINU	MOIT Sys	SIEITI	-	Total	23,000	_	
Oh Futura Draiaata	Tuninal	Diannad		vee Ve		SCODE	TUlai	++,300 COST		
90. Future Projects	Operation			Duildin	ais. ~ Dh 1	300PE	SM	22.000	1	
01 0-204					g, Pri i MC	20,400	SIVI	23,000	•	
141-700	Joint IVIO	Sility Comp				0,430		20,941		
113-321	Repair A	Infield Pave	ement,	Pn 3	:!!!!! :	125,35	4 5 10	22,000		
141-181		d Delense	Fignie			3,710	SIVI	24,000		
113-321	Realign /	Alfcraft Par		amp, Pn	ase 1	41,000	3111	10,000		
422-264	Nunition	s Maintena	ince Co	omplex		1 117		34,000		
832-266	Repair S	ewer wain	s or r	A		1,417		7,000		
211-152	C-I / HOI	me Station	Check		angar	4,366	SIM	24,100		
740-674	ADAL Fil	iness Cent	er W/H/	AWC, Pr	n 1 of 2	1	LO Totol	9,800		
					(41.4)		lotal	166,694		10.
9C. Real Propery N	/laintenan	ice Backlog	gIhis	Installati	on (\$M)					12;
10. Mission or Majo	or Functio	ons: The h	ost air	base wi	ng suppo	rts C-I 35E	B/C aircra	aft and hosts I	Headquarte	ers, Pacific
Air Forces. The ins	tallation a	also hosts	an Air	National	Guard w	ing consist	ing of a	n F-15A/B squ	adron, an	air refueling
squadron (KC-I 35)	, and an	airlift squa	dron (	C-I 30H)	. Other m	ajor activiti	ies inclu	de an Air Inte	lligence Ag	gency
intelligence group a	and an Ai	r Mobility S	Support	group.						
11. Outstanding po	llution ar	nd Safety (	OSHA	Deficier	ncies:					
a. Air pollution								C		
b. Water Pollut	tion							C		
c. Occupationa	I Safety a	and Health						C		
d. Other Envir	onmental							C		

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orm 1390, 24 Jul 00

1. COMPONENT	PY 2005 MILITARY	CONSTRU	CTION	I PROJECT	DATA	2. DATE		
AIR FORCE	(compu	ter gen	erate	ed)				
3. INSTALLATION AND 1	LOCATION		4. P	ROJECT TI	<b>FLE</b>			
HICKAM AIR FORCE BASE	, HAWAII		C-1?	UTILITIES	SUPPORT, PH2	ASE 2		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJ	ECT	NUMBER	8. PROJECT COST (\$000)			
41130	842-245	KNM	D033	A800	2,	450		
	9. COST	ESTIM	ATES					
					UNIT	COST		
	ITEM		U/M	QUANTITY				
						1 050		
C-17 SUPPORT UTILITIES	, PRASE 2					1,070		
PRIMARY WATER DISTR	IBUTION LINES		LM	1,500	30	(45)		
STORM DRAIN LINES			LM	1,150	150	( 173)		
STORM DRAIN CULVERT			LM	1,400	225	( 315)		
AIRFIELD PAVEMENTS			SM	7,500	96	( 720)		
MANHOLES, INLET BOXE	S, VALVES AND TRENCH	IING	LS	ļ	ļ	( 625 )		
SUPPORTING FACILITIES			т т			297		
SITE IMPROVEMENTS			 SM	5,850	20	<b>(</b> 117)		
ARCHAEOLOGICAL MONIT	ORING		LS			( 30)		
SOIL REMEDIATION			LS			( 150)		
TIBTOTAL.						2 175		
	e. \					2,1/5		
CONTINGENCY ( 5.0	5)					109		
OTAL CONTRACT COST		c = 8.)				2,203		
SUPERVISION, INSPECTIO	ON AND OVERHEAD (6	5.5 16)			-	148		
TOTAL REQUEST						2,432		
TOTAL REQUEST (ROUNDE	D)					2,450		
0. Description of P water lines, thrust b drain inlets, dewater: appurtenances.	roposed Construction: locks, valves, valve ing, soil remediation	Excav boxes, h, archa	vatio asph aeolo	n, backfi alt patch: gical mon	ll, bedding, ing, storm dr itoring, and	compaction, ain lines,		
11. REQUIREMENT: LS	ADEQUATE: LS	SUBST	ANDAI	RD: LS				
ROJECT: C-17 Suppor	t Utilities, Phase 2.	. (New	Miss	ion)				
EQUIREMENT: Require	ments under this cons	structio	on pr	oject inc	lude a safe,	reliable		
ater distribution sys	tem and storm drain	lines d	lesig	ned with	adequate capa	city,		
ecurity, and dependal	bility to support the	e C-17 k	oeddo	wn site t	hat includes	eight		
ermanently Assigned	Aircraft, maintenance	e hangar	rs, t	raining f	acilities, so	nuadron		
perations, and admin	istration activities.	•						
<u>URRENT SITUATION:</u> T	he proposed site for	constru	uctio	n of the	C-17 support	facilities		
loes not currently com	ility consolidated u	capacit maintena	y to nce	complex.	the new maint and squadron	operations		
tructures needed to }	peddown the C-11 on F	lickam A	APB.	The exis	ting water di	istribution		
ystem is just barely	sufficient for the o	current	acti	vities (tw	vo C-130 "nos	e dock"		
angars, the flight s	ervices facilities, t	the fire	e sta	tion, and	the air pass	enger		
erminal) and will not activities due to larg	t suffice for the add ger demands for domes	ditional stic wat	. dem er a	ands of t nd fire p	he C-17 struc rotection. G	tures and reater		
apacity is also need	ed because of the sp	ecialize	ed ma	intenance	that include	s: corrosion		
control on the C-17 a fire suppression. St capacity. With the	ircrafts' composite a orm drainage at the a addition of all the	surfaces site for new f	s (e. r C-1 acili	g. painti: 7 facilit ities and	ng and fabric ies is alread associated #	ations) and y at maximum parking, <b>storm</b>		
D FORM 1391, DEC 99	Previous edi	itions <b>a</b>	i <b>re</b> ol	bsolete.	1	Page No.		

6

1. COMPONENT		PY	2005 M	LITARY	CONSTR	UCTION	PROJECT	DATA	2.	DATE	
AIR FORCE		(computer generated)									
3. INSTALLATION AND LOCATION 4. PROJECT TITLE											
HICKAM AIR FO	RCE BASE	, HAV	VAII			C-17 t	JTILITIE	S SUPPORT, PHAS	SE 2		
5. PROGRAM EL	EMENT	6.	CATEGORY	CODE	7. PRC	JECT N	UMBER	0. PROJECT COS	ST (\$	000)	
41130	0 042-245 KNMD033008A 2,450										

water drainage will have to be increased. This is Phase 2 of a two-phase C-17 utilities support plan.

<u>IMPACT IF NOT PROVIDED:</u> Lack of adequate water supplies to the C-17 beddown site would result in Severe constraints in capabilities to support maintenance of aircraft, fire protection, administration of the squadron, and training of personnel. Inability to provide the facilities described herein would likely delay the activation of the C-17 squadron at <u>Hickam Air Force Base</u> or, at a minimum, severely jeopardize its mission, safety, and efficiency. If the storm drainage system is not addressed, then flooding of the facilities is possible, causing damage and jeopardizing personnel safety and the C-17 squadron's mission.

ADDITIONAL: This project does meet the scope/criteria specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of reasonable options for satisfying this requirement indicates that only one option will meet mission needs. Therefore, a complete economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: Colonel Steven E. Hoarn, 808-449-1660. JOINT USE CERTIFICATION: This is an installation utility/infrastructure project, and does not qualify for joint use at this location. However, all tenants on this installation are benefited by this project.

1 1						
L. COMPONENT 241.r force		FY 2005 MILITARY C (comput	ONSTRUC	TION PROJECT	DATA	2. DATE
		OCATION				
5. INSTALLATIC		OCATION		4. PROJECT		
HICKAM AIR F	ORCE BASE	, HAWAII		C-17 UTILITI	ES SUPPORT, PR	LASE 2
5. PROGRAM ELI	EMENT	6. CATEGORY CODE	7. PRO	JECT NUMBER	0. PROJECT CO	ST (\$000)
41120		042 245	TAIN	<b>5</b> 0220083	2	150
41130		042-245	K.NP.	DUSSUUGA	2,	±50
12. SUPPLEMENT	TAL DATA:	:				
a. Estimate	d Design	Data:				
(1) Status	e •					
( <b>a</b> ) Da	te Desig	n Started			01	-PEB-03
(b) Pa	rametric	Cost Estimates used	to dev	velop costs		YES
• (c) Pe:	rcent Co	mplete as of 01 JAN	2004			15%
• (d) Da	te 35% I	Designed			01	-SEP-03
( <b>e)</b> Da	te Desig	n Complete			15	-SEP-04
(f) En	ergy Stu	dy/Life-Cycle analys	is was/	will be perf	ormed	NO
(2) Desis	_					
(4) Basis	: andard o	r Dofinitivo Dogign	-			NO
(a) St (b) Wh	ere Desi	on Was Most Recently	, IIsed -			NO
	010 2001		obeu			
(3) Total	Cost (c	(a) = (a) + (b)  or  (d)	+ (e):			(\$000)
(a) P	roduction	n Of Plans and Speci	ficatior	ıs		147
(b) A1	1 Other	Design Costs				73
(C) To (d) C	otal					220
(0) Co (e) T	ontract					24
(0) 11	li-ilouse					
(4) Const	ruction	Contract Award				04 DEC
(5) Const	ruction	Start				05 JAN
(6) Const	ruction	Completion				06 JAN
• Indicat which i cost an	es compl is compar nd execut	etion of Project De able to traditional tability.	finition 35% des	i with Parame ign to ensure	tric Cost Esti: e valid scope,	mate
b. Equipmen	nt associ	ated with this proje	ect prov	vided from ot	her appropriat:	lons:
N/A						
<u> </u>						
DD FORM 1391,	DEC 99	Previous edi	tions a	obsolete.	P	age No.

1. COMPONENT AIR FORCE	PY 2005 MILITARY CC (compute	ONSTRUC	CTION erate	PROJE	CT DATA	2. DATE
3. INSTALLATION AND	LOCATION		4. PI	ROJECT TI	TLE	
HICKAM AIR PORCE BAS	E, XAWAII		C-17	ALTER MA	INTENANCE/SU	PPLY AREAS
5. PROGRAM ELEMENT	6. CATEGORY CODE 7	. PRO	JECT	NUMBER	8. PROJECT	COST (\$000)
41130	442-750	KNN	£004	007	9	9,000
	9. COST	EST11	TES			
			-		UNIT	COST
	ITEM		I∕M_	QUANTITY	, 	
ALTER MAINTENANCE/SUP	PLY AREAS					7,791
METAL SHOP REPAIR			SM	1,584	807	(1,278)
SURVIVAL EQUIPMENT,	PARACHUTE SHOP		SM	1,771	1,292	(2,288)
WHEEL AND TIRE SHOP			SM	604	764	( 461)
AIRCRAFT PARTS STOR	3		SM	1,911	. 807	(1,542)
AVIONICS SHOP			SM	057	743	(637)
PROPULSION SHOP			SM	1,394	850	( 1,185)
AEROSPACE GROUND EQ	UIPMENT		SM	1,236	323	( 399)
SUPPORTING FACILITIES	5					257
UTILITIES			LS			(150)
COMMUNICATIONS			LS			(25)
HAZARDOUS MATERIALS	ABATEMENT		LS			(82)
SUBTOTAL						8-048
CONTINGENCY ( 5 0	<b>8</b> 1					402
TOTAL CONTRACT COST						8 450
SUDERVISION INSDECTI	ON AND OVERHEAD ( 6.	5 %)				549
TOTAL REQUEST		.5 07				9.000
TOTAL REQUEST (ROUNDE	(ח					9,000
		Altor		ntonongo	ahong and g	
two existing warehous	roposed Construction:	fire	supr	pression/d	letection and	d mechanical
systems; incorporate	energy conservation me	easures	; pe	rform has	zardous mate	rials
abatement and necessa	ry support					
Air Conditioning: 1	.39 Tons					
11. REQUIREMENT: 30,	880 SM ADEQUATE:	17,49	9 SM	SUBS	TANDARD: 13,	381 SM
PROJECT: Alter exist	ing maintenance and su	ipply a	areas	for C-17	beddown. (1	New Mission)
REQUIREMENT: Xickam	Air Force Base is sche	eduled	to r	eceive ei	ight C-17 ai:	rcraft in PY
36. In order to prov	vide adequate support t	to the	C-17	aircraft	, properly	sized and
configured areas for	forward parts storage,	, an a	vioni	lc6 elect	ronic counte	r measure6
(ECM) maintenance sho	p, an airframe metals	repai:	r and	l fabricat	ion shop, a	propulsion
and tire shop must be	provided. These areas	s also	requ	ire space	e for adminia	stration,
technical orders libr	aries, secure storage,	train	ing	space, an	d latrines.	<b>-</b>
JURRENT SITUATION:	Existing facilities on	Hickar	a APE	are inad	dequate, do :	not have room
to accommodate all of	E the shops associated	with	C-17	operatio	ns, or curren	ntly do not
exist to support the	C-17 beddown maintenar	nce and	l sur	oply requi	rements. E	xternal
nodifications are not	possible due to the h	nistori	c nat	ture of t	the hangars.	The current
shops are unable to	support the C-17 require	rements	in	their cur	rent config	vrations.

99

1. COMPONENT		PY	2005 MII	LITARY	CONSTR	UCTION	PROJECT	DATA		:	2. DATE
AIR FORCE		(computer generated)									
3. INSTALLATION AND LOCATION 4. PROJECT TITLE											
HICKAM AIR FORCE BASE, HAWAII C-17 ALTER MAINTENANCE/SUPPLY AREA						AREAS					
5. PROGRAM ELE	MENT	6.	CATEGORY	CODE	7. PRO	JECT NU	MBER	8. P	ROJECT	COST	(\$000)
41130			442-750		KI	MD04300	)7			9,000	

ighting is inadequate throughout the areas, the ventilation systems do not function roperly, and space for equipment and work areas are insufficient. The supporting nfrastructure also needs repair and upgrade. The current electrical distribution ystem is overloaded, over 60 years old, and cannot support the additional requirements f the C-17 maintenance equipment, nor can the system be modified to do so. The supply ocation is not weatherproof and needs work to protect C-17 aircraft parts from the lements. This project reconfigures the space so that it is properly distributed, will upport new C-17 requirements, and corrects mechanical, electrical and fire system eficiencies.

MPACT IF NOT PROVIDED: Hickam APB will not be able to properly beddown C-17 aircraft. 'ull mission capability with the C-17 aircraft will not be reached. Adequate aircraft aintenance on the C-17 cannot be performed in accordance with technical orders or in axi 'fficient manner resulting in degradation to mission capability. Supply parts will be 'xposed to leaking roofs and other elements, reducing their life span and generating 'ossible increased downtime of aircraft.

DDITIONAL: This project meets the criteria/scope specified in "Air Force Handbook 32-,084, 'Facility Requirements." A preliminary analysis of reasonable options for satisfying this requirement indicates that only one option will meet mission needs. 'herefore, a complete economic analysis was not performed. A certificate of exception tas been prepared. BASE CIVIL ENGINEER: Colonel Steven E. Hoarn, 808-449-1660. Alter !-17 Maintenance/Supply Area: 9,239 SM = 99,447 SF.

**IOINT USE CERTIFICATION:** This facility can be used by other components on an "as **ivailable**" basis; however, the scope is based on Air Force requirements.

1. COMPONENT AIR FORCE		FY 2005 MILITARY C	CONSTRUC	TION PROJECT	DATA	2. DATE
2 737677777777			J			<b> </b>
3. INSTALLATIC	ON AND L	OCATION		4. PROJECT	TITLE	
HICKAM AIR FOR	RCE BASE	, HAWAII	1	C-17 ALTER	MAINTENANCE/SUP	PLY AREAS
5. PROGRAM ELI	EMENT	6. CATEGORY CODE	7. PROJ	JECT NUMBER	8. PROJECT COS	JT (\$000)
41130		442-750	KN	MD043007	9,	000
12. SUPPLEMENT a. Estimated	TAL DATA 1 Design	: Data:				
(a) Da	te Degic	m Started			01	-DEE-03
(b) Pa	rametric	Cost Estimates used	to dev	velop costs	01	YES
• (C) Pe	rcent Co	omplete as Of 01 JAN	2004			15%
• (d) Da	te 35% 1	Designed			01	-SEP-03
( <b>e</b> ) Da	te Desig	n Complete			15	-SEP-04
(f) En	ergy Stu	udy/Life-Cycle analys	is was/	will be perf	formed	NO
(2) Basis	:					
(a) St (b) Wh	andard c <b>ere</b> Desi	or Definitive Design gn Was Most Recently	- Vsed -			NO
(3) Total	Cost (c	(a) = (a) + (b)  or  (d)	+ (e):			(\$000)
(a) Pi	roduction	n of Plans and Speci	fication	ıs		540
(b) Al	l Other	Design Costs				270
(c) To	tal					810
( <b>d</b> ) Co	ontract					675
(e) II	n-house					135
(4) Const:	ruction	Contract Award				04 NOV
(5) Const	ruction	Start				05 JAN
(6) Const	ruction	Completion				06 FEB
• Indicat which i cost an	es compl s compar 1d execut	etion of Project Def Table to traditional tability.	Einition 35% des	with Parame ign to ensure	tric Cost Estim e valid scope,	late
b. Equipmer N/A	at associ	ated with this proje	ect prov	rided from ot	her appropriati	.ons:
DD FORM 1391, I	DEC 99	Previous edi	tions ar	e obsolete.	Pa	ige NO.
			101			

1. COMPONENT	<b>FY</b> 2005	MILITARY	CONSTRUC	CTION	PROJEC	T DATA	2. DATE
AIR FORCE		(comp	uter gen	erate	d)		
3. INSTALLATION AN	ND LOCATION			4. P	ROJECT TIT	LE	
HICKAM AIR FORCE	BASE, HAWAII			C-17	CLEAR WAT	ER RINSE	
5. PROGRAM ELEMEN	F 6. CATE	GORY CODE	7.	PROJI	CT NU	MBERPROJEC'8. (	COST (\$000)
41130	116	5-672	KNI	MD053004 4,300			
		9. COS	T ESTI	TEE;		r	İ
	ITEM			i/m.	JUANTITY	UNIT	COST
C-17 CLEAR WATER F	RINSE						2,657
CLEAR WATER RINSE				EA	1.	140,000	( 140)
AIRFIELD PAVEMENT	S AND WASH P	AD		SM	9,900	227	( 2,247)
EQUIPMENT SHED				SM	10	2,000	(20)
WATER PIPES, VALV	ES AND TXRUS	I BLOCKS		LS			( 175)
DRAINLINE AND IR	RIGATION SYST	EM		LS			(75)
SUPPORTING FACILIT	TIES						1,188
SITE IMPROVEMENTS	3			SM	27,600	25	( 690)
SOIL REMEDIATION				СМ	2,000	125	(250)
ARCHAEOLOGICAL M	ONITORING			LS			(65)
ELECTRICAL LINES,	MANHOLES AN	D TRANSFOR	MERS	LS			( 183)
SUBTOTAL							3,045
CONTINGENCY (	5.0 %)						192
TOTAL CONTRACT COS	ST .						4,038
SUPERVISION, INSPE	CTION AND OV	ERHEAD (	6.5 %)				262
TOTAL REQUEST						F	4,300
TOTAL REQUEST (ROU	NDED)						4,300
10. Description o facility large eno storage tanks, uti controls and treat Pavements, site im	f Proposed Co ugh for C-17 lities, rinse ment, equipme mprovements, s	onstructior aircraft, e water co ent shed, o soil remed:	n: Const includin llection electrica iation,	ruct ng pu and al po and a	drive-thr mp and no: drainage ; wer, concr archaeologi	rough clear-w zzle systems, systems, env ete pads. ac .cal monitori	vater rinse water ironmental ccess .ng.
11. REQUIREMENT:	1EA AD	EQUATE: 0	EA S	UBST	NDARD: OF	A	
PROJECT: Construc	t clear water	r rinse fac	cility fo	or C-	17 aircraf	t. (New Mis	ssion)
<u>PROJECT:</u> Construct clear water rinse facility for C-17 aircraft. (New Mission) <u>REQUIREMENT:</u> <u>Hickam Air</u> Force Base (AFB) requires facilities to provide fresh water rinses for aircraft returning from flights. Project will supply high pressure water rinses to aircraft. IAW Technical Order 1-1-691, a clear water rinse must be performed after the last flight of each day for aircraft that operate below 915 meters (3,000 feet) in a saltwater environment to reduce corrosion irregardless of time spent in that							
for a portion of e	ach flight.						
<u>CURRENT SITUATION:</u> No clear water rinse facility exists on Xickam AFB that can accommodate aircraft the size of a C-17. The aircraft currently based at Nickam AFB include the F-15, the xC-135, and the C-130. Aircraft are now rinsed at the aircraft wash rack and that entails towing the aircraft as well as scheduling a time period to gain access to the rack. Besides being inefficient, current manpower and equipment limitations do not allow scheduling of all aircraft for necessary rinses and washes.							
corrosion occur.	This results	in increa	sed corr	osion	maintenan	ce costs and	aircraft

Page No.

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1. COMPONENT	FY 2005 MILITARY CONSTR	UCTION PROJEC	I DATA 2	. DATE				
AIR FORCE	(computer generated)							
3. INSTALLATION AND LOCATION 4. PROJECT TITLE								
HICKAM AIR FORCE BAS	E, HAWAII	C-17 CLEAR WAT	ER RINSE					
5. PROGRAM ELEMENT	. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000)							
41130	116-672 K	NMD053004	4,30	00				

downtime.

IMPACT IF NOT PROVIDED: Increased rates of corrosion and maintenance costs, reduction of aircraft availability, reduction in flying time, and potentially shortened aircraft service life. Unit proficiency and readiness will continue to be adversely affected and aircrew safety may also be jeopardized.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1064, "Facility Requirements." A preliminary analysis of reasonable option satisfying this requirement indicates that only one option will meet mission requirements. Therefore, a complete economic analysis was not performed. The site is located next to an abandoned landfill and soil contamination is to be expected. Additionally, the project site is located in a "high probability" archaeological area. A certificate of exception has been performed, Base Civil Engineer: Colonel Steven E. Xoarn, 808-449-1660. Construct C-17 Clear Water Rinse: 1 EA.

JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.

1. COMPONENT AIR FORCE		FY 2005 MILITARY C	CONSTRUC	IION PROJECT	DATA	2. DATE
3. INSTALLATIO	ON AND L	OCATION		4. PROJECT 1	TITLE	•
HICKAM AIR FO	RCE BASE	, HAWAII		C-17 CLEAR W	NATER RINSE	
5. PROGRAM EL	EMENT	6. CATEGORY CODE	7. PRO	JECT NUMBER	6. PROJECT CO	ST (\$000)
41130		116-672	KN	MD053004	4,3	300
12. SUPPLEMEN a. Estimate (1) Statu	TAL DATA d Design s:	: Data:				
(a) <sub>Da</sub>	te Desig	n Started			01	-FEB-03
(b) Pa	rametric	Cost Estimates used	to dev	velop costs		YES
• (C) Pe	te 35%	mpiete as or ur JAN Designed	2004		01	13% -SEP-03
(e) Da	ate Desig	n Complete			15	-SEP-04
(f) Er	nergy Stu	udy/Life-Cycle analys	is was/	will be perf	ormed	NO
(0)						
(2) Basis (a) S (b) Wh	: tandard here Desi	or Definitive Design .gn Was Most Recently	v Used			ИО
(3) Total	. Cost (d	(a) = (a) + (b)  or  (d)	) + (e):			(\$000)
(a) P	roduction	n of Plans and Speci	ficatior	s		258
(b) Al	ll Other	Design Costs				129
(c) To	otal					387
(d) c	ontract					344
(e) 1	n-nouse					
(4) Const	truction	Contract Award				04 DEC
(5) Const	ruction	Start				05 JAN
(6) Const	truction	Completion				06 FEB
* Indicat which i cost a	ces compl is compar nd execu	etion of Project Des rable to traditional tability.	Einition 35% des	with Paramet ign to ensure	ric <b>Cost Estin</b> valid Scope,	nate
b. Equipmer N/A	nt associ	lated with this proje	ect prov	rided from oth	ner appropriati	ons:

1. COMPONENT AIR FORCE	1. COMPONENT FY 2005 MILITARY CONSTRUCTION PROJECT DATA 2. DATE								
			iter gen	4 D					
HICKAM ATD D		UD		4. P	ROJECI II.				
5 PROGRAM FLE	MENT	, HAWAII	7 000	C-17	MUNITIONS	STORAGE	GOGT (\$000)		
J. FROGRAM ELE	SPIESIN I	6. CATEGORY CODE	7. PROL	ECL	NUMBER	8. PROJECT	COST (\$000)		
41130		422-253	KN	MD053	005	1	,950		
		9. COSI	ESTIN	ATES	I	1			
		ITEM		U/M_	QUANTITY	UNIT	COST		
'RIMARY FACILI	TIES						1.098		
C-17 MUNITIONS	S FACIL	LTY		SM	507	2,165	( 1,098)		
SUPPORTING FA	CILITIES			I			643		
STTE IMPROVEM	ENTS			IGM	7 850	20	(157)		
ARCHAEOLOGICAL	MONIT	ORING		LS	7,000	20	(75		
SOIL REMEDIAT	ION			LS			( 50		
PAVEMENTS				SM	4,500	65 -	( 293		
ELECTRICAL DI	STRIBUTI	ON AND TRANSFORMER		LS		-	( 30		
ANTITERRORISM	FORCE	PROTECT/SECURITY FE	NCING	LM	450	85	( 38		
JUBTOTAL							1,740		
CONTINGENCY	<b>(</b> 5.0	%)					07		
OTAL CONTRACT	COST						1,827		
SUPERVISION, IN	NSPECTIO	N AND OVERXEAD (	6.5 <b>%)</b>				119		
OTAL REQUEST							1,946		
COTAL REQUEST	(ROUNDED	)					1,950		
.0. Description lab, pre-formed encing, area a protection meas lacilities.	n of Pr d wall and secu sures, s	oposed Construction and roof panels, ro rity lighting, secu soil remediation, ar	: Exca ll-up d rity al cchaeolo	vatio oors, arms gical	n, reinfor grounding and other monitoria	rced foundat g/lighting p antiterror: ng, and sup	tion, floor protection, ism/force porting		
1. REQUIREMENT	<b>:</b> 2,010	SM ADEQUATE:	: 1,503	SM	SUBSTAN	DARD: 99 SM			
ROJECT: C-17	Munitic	ns Storage. (New	Mission)						
EOUIREMENT:	Provide	munitions storage f	aciliti	es ca	pable of	accomplishin	g C-17 beddown		
iission require	ements,	complying with safe	ty guid	eline	s, and co	nforming to	security		
TIRRENT STTUAT	τονι• Μι	mitions storage fac	ilities	for	C-17 aircu	raft do not	exist at		
lickam Air For	ce Base	(AFB). Multiple mu	nitions	stor	age capab:	ilities must	be made		
vailable for (	C-17 ope	rations. Beddown o	of the C	-178	at Xickam	AFB will re	equire		
andling/stora	ge of th	ne unique ballistics	device	set	known as	the flotatio	on explosive		
Ieployment syst	tem (FED	os). The FEDS has a	a period	lic ro	otation re	quirement as	s well as a		
acility will l	-year st be requi	red to support bulk	storag	e of	various o	ther explosi	ives associated		
rith the new C	-17 miss	ion. This facility	must b	e loc	ated on H	ickam APB to	provide rapid		
esponse capabi	ility an	d ensure unimpeded	conting	ency	support.				
MPACT IF NOT	PROVIDED	: The deployment o	of ordna	nce a	and muniti	ons is an ea	ssential		
component of the	he C-17	squadron's mission.	Inabi	lity	to provid	e a readily	accessible,		
lafe, and secur	re munit	ions storage facili	ty ior Segrega	the (	unitione	a severely : storage for	restrict C-17		
Ieployment allo	ows for	the safest and most	effici	ent i	rotation o	f stocks, in	spection of		
DD FORM 1391, I	DEC 99	Previous ed:	itions a	are o	bsolete.	-	Page No.		

1. COMPONENT AIR FORCE	FY 2005 MILITARY (Compu	CONSTRUCTION PROJEC	f data	2. DATE				
3. INSTALLATION AND LOCATION 4. PROJECT TITLE C-17 MUNITIONS STORAGE								
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COS	ST (\$000)				
41130	422-253	KNMD053005	1,95	0				

explosive units, and quick response to mission needs.

ADDITIONAL: This project meets the scope/criteria specified in Air Force Handbook 32-1064, "Facility Requirements." A preliminary analysis of reasonable options for satisfying this requirement indicates that only one option will meet mission needs. Pherefore, a complete economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: Colonel Steven E. Hoarn, 808-449-1660. Construct C-17 Munitions Storage: 507 SM = 5,455 SF.

JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope is based on Air Force requirements.

TNSTALLATIO	N AND LOC	(Comput	er generated)	דוברייד ידי	TTT.F	
CKAM AIR FOR	CE BASE,	XAWAII	4. FRO	UNITION	IILE IS STORAGE	
	MENT	6 CATECORY CORE				ST (\$000)
PROGRAM ELE	MENI	6. CATEGORY CODE	7. PROJECI NOR	IDER	o. FRODECI CC	
41130		422-253	KNMD053005	<b>,</b>	1,	950
SUPPLEMENTA	L DATA:					
a. Estimated	Design D	ata:				
(1) Status	:					
(a) Dat (b) Par	e Design ametric C	Started ost Estimates used	to develop co	sts	01	YES
• (C) Per	cent Comp	lete as of 01 JAN	2004	202		15%
• (d) Dat	e 35% De:	signed			01	-SEP-03
( <b>e</b> ) Dat	e Design	Complete			15	-SEP-04
(f) Ene	rgy Study	/Life-Cycle analys	is was/will be	perfo	ormed	NO
(2) Basis:						
(a) St	andard or	Definitive Design	-			YES
(b) Whe	re Design	Was Most Recently	Vsed -		AF Dei	initive
(3) Total	Cost (c)	= (a) + (b) or (d)	+ (e):			(\$000)
(a) Pro	duction c	f Plans and Speci	fications			117
(b) All	. Other De	sign Costs				58 175
(d) Co	ai ntract					156
(e) In	-house					19
(4) Constr	uction Cc	ntract Award				04 DEC
(5) Constr	ruction St	art				05 <b>JAN</b>
(6) Consti	ruction Co	ompletion				06 <b>JAN</b>
<ul> <li>Indicate which is cost and</li> </ul>	s complet comparab executal	ion of Project De le to traditional pility.	finition with P 35% design to	aramet: ensure	ric Cost Esti valid scope,	mate
b. Equipment N/A	: associate	d with this proje	ct provided fro	om oth	er appropriat	ions:

li							
1. COMPONENT FY 2005 MILITARY CONSTRU	OLLON	I PROJECT	DATA	2. DATE			
AIR FORCE (computer ger	erate	ed)					
3. INSTALLATION AND LOCATION	4. P	ROJECT TI	TLE				
HICKAM AIR FORCE BASE, HAWAII	C-17	MAINTENAN	ICE SHOP FAC	CILITY			
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJ	ECT	NUMBER	8. PROJECT	COST (\$000)			
41130 211-152 KN	MD053	010	8	3,200			
9. COST ESTIE	TES						
			UNIT	COST			
	10/M	QUANTITY					
2-17 MAINTENANCE SHOP FACILITY				6,515			
NON-DESTRUCTIVE INSPECTION SHOP	SM	372	2,690	( 1,001)			
PNEUDRAULICS SHOP	SM	483	2,690	( 1,299 )			
ELECTRO ENVIRONMENTAL SHOP	SM	553	2,690	( 1,488)			
AERO REPAIR/CRASH RECOVERY SHOP	SM	399	2,690	( 1,073)			
INSPECTION SHOP	SM	632	2,552	( 1,613)			
ANTITERRORISM/FORCE PROTECTION	SM	2,439	17	(41)			
SUPPORTING FACILITIES				818			
PAVEMENTS	SM	4,000	65	<b>(</b> 260)			
SITE IMPROVEMENTS	SM	9,800	22	(216)			
SOIL REMEDIATION/ARCHEOLOGICAL MONITORING				(135)			
SEWER LINES MANHOLES AND TRANSFORMERS	LS			(43)			
WATER LINES, VALVES, AND BACKFLOW DEVICES	LS			(54)			
SUBTOTAL				7,333			
CONTINGENCY (50 %)				367			
TOTAL CONTRACT COST				7,699			
SUPERVISION, INSPECTION AND OVERHEAD ( 6.5 %)				500			
TOTAL REQUEST				8,200			
TOTAL REQUEST (ROUNDED)				8,200			
10. Description of Proposed Construction: Reinforced concrete frame, concrete foundation, floor slab, masonry walls, sloped metal roof, soil remediation, mechanical areas, fire detection/protection, supporting facilities, renewable energy measures, and appurtenances. Facility space to include shops, supervisory spaces, tool cribs, and reference areas. Air Conditioning: 247Tons L1. REQUIREMENT: 18,424 SM ADEQUATE: 1,356 SM SUBSTANDARD: 15,633 SM PROJECT: Construct C-17 maintenance shops facility. (New Mission)							
destructive inspection (NDI) of aircraft, which pnuedraulics, electro-environmental, and aero re- shop consists of testing areas and laboratory sp and to house sensitive ultrasonic, fluorescent p radiography equipment. The pneudraulics shop is <b>ircraft</b> components related to pneumatic and hyd snvironmental shop is used to maintain all of th <b>harnesses</b> , and batteries, as well as the environ on the aircraft. The aero repair (A/R) shop is	inclu pair paces enetr need rauli ne el menta where	ides inspe shops. I for criti- cate, magn led to rep ded to rep c systems ectrical a al control a large pa	action mainter the inspection leal testing metic particle pair and man . The elect systems, air . equipment rts are remo	enance, on maintenance technologies le, and ufacture tro- craft wiring for personnel oved from and			



1. COMPONENT		FY 200	5 MILITARY	CONSTR	UCTION PROJECT	<b>DATA</b>	2. DATE		
AIR FORCE		(computer generated)							
3. INSTALLATION AND LOCATION 4. PROJECT TITLE									
HICKAM AIR FOR	HICKAM AIR FORCE BASE, HAWAII C-17 MAINTENANCE SHOP FACILITY								
5. PROGRAM ELE	EMENT	6. CATE	GORY CODE	7. PRO	JECT NUMBER	8. PROJECT CO	ST (\$000)		
41130		211	-152	KN	MD053010	8,2	00		

installed on the aircraft. All shops require crane and hoist support to manipulate heavy components, as well as 3-phase electricity and a pressure air system for power tools.

<u>CURRENT SITUATION:</u> Currently Hickam AFB does not have room to accommodate the requirements of these shops for new C-17 operations. Other maintenance shops are to be renovated and expanded within existing confines. Exterior expansion of the existing maintenance shop building is not a viable option since the building is part of the **Hickam** National Historical Landmark District. Shop space for NDI, electro-environmental, pneudralics, and aero repair, therefore must be accommodated in a new facility.

IMPACT IF NOT PROVIDED: Hickam APB will not be able to properly beddown C-17 aircraft. Aircraft maintenance capability will be degraded likely resulting in degraded aircraft mission capability.

ADDITIONAL: This project meets the scope/criteria specified in Air Force Handbook 32-1084, "Facilities Requirements." A preliminary analysis of reasonable options for satisfying this requirement indicates that only one option will meet mission needs. Therefore, a complete economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: Colonel Steven E. Hoarn, 808-449-1660. c-17 Maintenance Shop Facility: 2,439 SM = 26,253 SF. Design Build - design cost (3% of subtotal cost): \$220,000.

JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope is based on Air Force requirements.



				I					
FY 2005 MILITARY C	CONSTR	UCTION PROJECT	DATA	2. DATE					
(comput	er gei	nerated)							
LOCATION		4. PROJECT TIT	<b>FLE</b>						
E, HAWAII	1	C-17 MAINTENAN	ICE SHOP FACIL	ITY					
6. CATEGORY CODE	7. PI	ROJECT NUMBER	8. PROJECT CO	ST (\$000)					
211-152	I	CNMD053010	8,	200					
A:									
n Data:									
(1) Project to be accomplished by design-build procedures									
or Definitive Design ign Was Most Recently	- 7 Used			NO					
sign Costs				220					
Contract Award				04 NOV					
Start				05 JAN					
Completion				06 <b>FEB</b>					
/Life-Cycle analysis	was/wi	ill be performe	ed	YES					
	FY 2005 MILITARY ( (comput LOCATION E, HAWAII 6. CATEGORY CODE 211-152 A: n Data: e accomplished by dea or Definitive Design ign Was Most Recently sign Costs Contract Award Start Completion /Life-Cycle analysis diated with this projection	FY 2005 MILITARY CONSTRU- (computer gen LOCATION E, HAWAII 6. CATEGORY CODE 7. PI 211-152 7 A: n Data: e accomplished by design-b or Definitive Design - ign Was Most Recently Used sign Costs Contract Award Start Completion /Life-Cycle analysis was/wi diated with this project pr	FY 2005 MILITARY CONSTRUCTION PROJECT (computer generated) LOCATION 4. PROJECT TIT E, HAWAII C-17 MAINTENAN 6. CATEGORY CODE 7. PROJECT NUMBER 211-152 NNMD053010 A: a Data: e accomplished by design-build procedures or Definitive Design - ign Was Most Recently Used - sign Costs Contract Award Start Completion /Life-Cycle analysis was/will be performed diated with this project provided from ot	Y2 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)         LOCATION       4. PROJECT TITLE         c. FAWANI       C-17 MAINTENANCE SHOP FACIL         6. CATEGORY CODE       7. PROJECT NUMBER       8. PROJECT COL         211-152       KNMD053010       8.3         A:       n Data:       8. eaccomplished by design-build procedures         or Definitive Design -       ign Was Most Recently Used -       sign Costs         Contract Award       Start       Completion         /Life-Cycle analysis was/will be performed       diated with this project provided from other appropriat:					

1. COMPONENT		FY 20	05 MIL	TARY (	CONSTR	RUCTIO	N PROG	GRAM	2. DATE			
AIR FORCE												
3. INSTALLATION A	ND LOC	ATION		4. CO	MMAND			5. AREA	CONST			
BARKSDALE AIR FO	ORCE BA	SE		AIR CO	OMBAT		ND	COST IN	NDEX			
LOUISIANA						0.89						
6. Personnel	PE	RMANEN	-	S	TUDENT	S I	SU	PPORTE	D			
Strength	OFF	ENL	CIV	OFF	FNI	OFF	FNI		τοται			
AS OF 30 SEP 03	1107	6203	1239	18	3	1	4	8	142	8 725		
FND FY 2008	1111	6113	1130	18	3	1	4	8	142	8 530		
7 INVENTORY DAT	A (\$000)	0110	1100	10	Ũ	1	•	0	174	0,000		
a Total Acreage	π (φοσο)	21 844										
a. Total Acreage. $21,844$ b. Inventory Total as of : (30 Sep 03) 1517												
c Authorization Not	Yet in Inv	entory:								15 000		
d Authorization Reg	uested in	this Prog	am.							13,900		
e Authorization Inclu	ided in th	e Followin	a Proa	ram.	(EV 200	16)				13,000		
f Planned in Next T	hree Year	s Program	יטיי. יי	ann.	(11200	,0)				57 300		
a Remaining Deficie	nee real	STrogram								107 700		
h Grand Total	Jiloy.									1 712 002		
n. Granu Totai.										1,712,092		
				A N / -			(EV 200	5)				
8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2005)												
CATEGORY		ד דודו ר						¢ 000 e		STATUS		
<u>CODE</u> 704.040	PROJEC					<u>SCOPE</u> <u>\$,000 START</u> CMPL						
721-312	Replace	Dormitory				168 RM		13,800	Design-B	ulia		
						Total	0000	13,800				
9a. Future Projects:	Included	in the Fol	lowing	Program	า:	(FY2	2006)					
	None											
	<u> </u>			.,								
9b. Future Projects:	Typical P	lanned Ne	ext Thre	e Year	s:			40.000				
141-753	Integrate	ed Operation	ons Cei	nter		5,650 51	VI	10,800				
721-312	Dormitor	У				120 R	M	8,300				
721-312	Dormitor	y F		<u> </u>		96 R	M	7,200				
730-835	Security	Forces So	quadror	o Compl	ex	4,342 SI	M	9,000				
171-875	Weapon	s Load Cr	ew Trai	ning Fa	cility	9,450 SI	M	22,000				
						Total		57,300				
9c. Real Propery Ma	intenance	e Backlog	This In:	stallatio	n (\$M):		65					
10. Mission or Major	<sup>r</sup> Function	s: Headqu	arters	Eight Ai	r Force;	a bomb	wing wit	th three B	-52 squa	drons, one		
of which is responsib	ole for trai	ning for al	B-52 c	ombat o	crews; ar	n Air For	ce Rese	rve wing	with A-10,	AO-10,		
and B-52 aircraft.		-						-				
11. Outstanding Poll	ution and	Safety (C	SHA) [	Deficiend	cies:							
a. Air pollution			,					0				
b. Water Pollutio	on							0				
c. Occupational	Safetv an	d Health						0				
	.,									ł		
d. Other Enviror	nmental							0				

DD Form 1390, 24 Jul 00

1. COMPONENT FY 2005 AIR FORCE	MILITARY CONSTRU (computer gen	CTION	PROJECT	DATA	2. DATE	
3. INSTALLATION AND LOCATION		4. P	ROTECT TT	PT.E		
BARKSDALF ATD FORCE BASE LOUIS	TANA		TODY (169			
5. PROGRAM ELEMENT 6. CATEG	ORY CODE 7. PRO	JECT	NUMBER 8	RM)	COST (\$000)	
27596 721-	-312 AW	08053	100	1	3,800	
	9. COST EST11	MATEE	r	<del></del>		
ITEM		<u>u/m</u>	<u>DUANTITY</u>	UNIT	COST	
DORMITORY (168 RM)		LS			8.740	
DORMITORY		SM	5,544	1,545	( 8 565)	
ANTITERRORISM/FORCE PROTECTION		LS	5,511	1,515	( 175 )	
SUDDODTING FACILITIES					( 1/5 /	
					3,594	
		122			(897)	
		10			(405)	
DEMOLITION/ASBESTOS ABATEMENT		SM	7 0 2 9	265	(392)	
COMMUNICATION SUPPORT		T.M	150	205	( 1,003)	
			130	250	10,000	
					12,334	
CONTINGENCY ( 5.0 %)					617	
IUTAL CONTRACT COST					12,951	
SUPERVISION, INSPECTION AND UVE	<b>RHEAD (</b> 6.0%)				777	
TOTAL REQUEST					13,728	
IOTAL REQUEST (ROUNDED)					13,800	
LO. Description of Proposed Con	nstruction: Thre	e-sto	ry buildin	ng with rei	nforced	
<b>letal</b> roof, utilities, site impr	covements, and pa	rking	. communia	ration suppo	ort, fire	
letection/protection, asbestos a	abatement, demoli	tion	of three	facilities	(7,029 <b>SM)</b> ,	
all other necessary support.	Force protecti	on in	cludes re	inforced ext	cerior walls	
nd laminated windows.						
Air Conditioning: 250 KW.						
L1. REQUIREMENT: 997 RN AD	EQUATE: 829 RM	SUBS	TANDARD:	168 RM		
<b>PROJECT:</b> Construct a Dormitory	(168 RM). (Curr	rent	Mission)			
<b><u>EQUIREMENT:</u></b> A major Air Force	e objective provi	des	unaccompan	ied enlisted	personnel with	
Lousing conducive to their prope	er rest, relaxati	on, a	nd persona	al well-beir	g. Properly	
Assential to the successful according	providing some	aegre	e OL 1NG1 reagingly	complicated	and important	
iobs these people must perform.	The retention of	f the	se highly	trained air	men is	
sssential to our readiness post	ure and continuin	g wor	ld-wide p	resence. Co	mplies with	
<b>&gt;&gt;D</b> force protection construction	on standards.					
JURRENT SITUATION: The base has	s insufficient on	-base	housing t	o accommoda	te the	
maccompanied enlisted (El - E4	) personnel. Thi	s pro	ject is p	rioritized :	in accordance	
with the Air Force Dormitory Mas	ter Plan.					
[MPACT IF NOT PROVIDED: Young	airman will conti	nue t	o live in	inadequate	living	
productivity, and career satisf	er or privacy or action. The faci	comro litie	s will co	ea to mainta ntinue to de	eteriorate and	
otentially expose occupants to	further health o	r saf	ety condit	ions.		
WDITIONAL: This project meets	the scope/criter	ia sp	ecified in	n <b>OSD's</b> desi	.gn and	
DD FORM 1391, DEC 76	revious editions	are o	bsolete.		Page No.	

1. COMPONENT	FY	2005 MILI	TARY	CONST	RUCTION	PROJ	ECT DAT	<b>A</b> 2.	DATE			
AIR FORCE		(computer generated)										
3. INSTALLATION AND LOCATION 4. PROJECT TITLE												
BARKSDALE AIR FORCE BASE, LOUISIANA DORMITORY (168 RM)												
5. PROGRAM ELI	EMENT 6.	CATEGORY (	CODE	7. PROJ	ECT NUMBE	R 8.	PROJECT	COST	(\$000)			
27596	AW	WB053100		1	3,000							
					_							

:onstruction standards for unaccompanied enlisted personnel housing, published in Jun
)1. All known alternatives were considered during the development of this project. No
>ther option could meet mission requirements. Therefore, an economic analysis was not
>erformed. FY02 Unaccompanied Housing RPM Conducted: \$2,724K; FY03 Unaccompanied
lousing RPM Conducted: \$2,300K. Future Unaccompanied Housing RPM requirements
Lestimated): FY04: \$2,200; FY05: \$1,256K; FY06: \$620K. Base Civil Engineer: Lt Col
Nobert Fant, (318) 456-4056. (Dormitory: 5544 SM = 59,653 SF)

**JOINT** USE CERTIFICATION: Mission requirements, operational considerations, and location ire inccunpatible with use by other components.

1. COMPONENT	FY 2005 MI	ITARY	CONSTR	UCTIO	N PROG	RAM	2. DATE			
AIR FORCE										
3. INSTALLATION AND LOC	ATION	14. CON	MAND:	5. AREA	CONST					
TRAVIS AIR FORCE BASE		AIR MO	BILITY C	COST IN	DEX					
CALIFORNIA						1.24	1.24			
6. Personnel PE	RMANENT	ST	UDENTS		SU	<b>IPPORTE</b>	PORTED			
Strength OFF	ENL CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL		
4S OF 30 SEP 03	1786 8955 23	69 0	0	0	72	698	1158	15,03		
END FY 2008 1804	8900 231	70	0	0	72	698	1158	14,94		
7. INVENTORY DATA (\$000)										
Fotal Acreage: 6383										
nventory Total as of : (30 Sec	03)							3 060 808		
Authorization Not Yet in Invent	orv.							170 16		
Authorization Requested in this	s Program:							15 24		
Authorization Included in the F	Following Program	· (	FY 2006)					10,24		
Planned in Next Three Years F	Program:		1 1 2000)					55.88		
Remaining Deficiency:	rogram							279.50		
Grand Total:								3 581 60		
								3,301,00		
3 PROJECTS REQUESTED	IN THIS PROGR	۵M·		(EX 200	5)					
		<b>NVI.</b>		(11 200	5)	соят		STATUS		
CODE PROJECT				SCOPE		\$ 000 \$	TART	CMPL		
351-1 47 C-17 Util	ities/Roads			<u>1 1</u>	19	$\frac{\psi,000}{12,844}$	Mar 03	Sen 04		
211-157 C-L 7 Add Engir	ne Storage F:	acility		929	SM	2 /00	lan 0.1			
	ie otorage i	Jonny		525		15 244	Jan 04	Aug 04		
					IOIAL	13,244				
3a Future Projects: Included	in the Following	Program.	(E)	(2006)						
None	in the rollowing	rogram.	()	2000)						
None										
3b Future Projects: Typical P	lanned Nevt Thre	o Voars								
141-753 AMOG Deplo	vment Cente	r		9 015	SM	15 000				
112-211 Repair Electri	cal & Runway	/ 03B/2 <sup>.</sup>	1	1	FA	27 298				
171-476 SE Armory/Co	mbat Arms C	ampus		1 684	SM	3 486				
721-312 Dormitory (96	B RM)	umpuo		96	RM	10 100				
				50	τοται	55 884				
					IOIAL	00,004				
C. Roal Property Maintenance	o Rocklog This In	ctallation	(\$M)					17(		
Jo. Real Flopenty Maintenance	e Daukiug This In	รเลแลแบก	(שוש)					173		
10 Minutes on Matter Function					:4h 4					
10. Mission or Major Functions	S: HQ 15th Air Fo	rce; an a	Ir mobility	wing w		-5 squadr	ons and t	wo KC-I U air		
refueling squadrons; an AFRC	Associate air mo	Dility win	g; and Da	vid Gra	nt iviedic	al Center.				
11. Outstanding pollution and	Safety (OSHA D	eficiencie	s):			0				
a. Air pollution						0				
						٥				
b. Water Pollution						0				
	1.1.1					0				
c. Occupational Safety and	d Health					U				
						^				
d. Other Environmental						0				

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COMPONENT		FY 2005 MILITARY (	CONSTR	UCTION PROJECT	DATA	2.	DATE
AIR FORCE		(comput	er ge	nerated)			
3. INSTALLATI	on <b>AND</b> I	LOCATION		4. PROJECT TIT	TLE		
BARKSDALE AIR	FORCE B	ASE, LOUISIANA	1	DORMITORY (168	RM)		
5. PROGRAM EL	EMENT	6. CATEGORY CODE	7. PI	ROJECT NUMBER	8. PROJEC	T COST	(\$000)
21596		721-312	1	AWUB053100		13,800	
12. SUPPLEMEN	TAL DATA						
a. Estimate	ed Design	Data:					
(1) Proje	ct to be	accomplished by de	sign-b	uild procedures	I		
(2) Basis	:						
(a) S (b) Wi	<b>tandard</b> here Desi	or Definitive Design ign Was Most Recently	- y Used	1 -			NO
<b>(3)</b> All C	ther Des	ign Costs					370
(4) Const	truction	Contract Award				05	JAN
(5) Const	ruction	Start				05	MAY
(6) Const	ruction	Completion				06	DEC
(7) Energ	gy Study	/Life-Cycle analysis	was/w	ill be performe	d		YES

1. COMPONENT		FY 20	005 M	ILITARY	CONST	RUCTIO	N PROG	RAM	2. DATE		
AIR FORCE											
3. INSTALLATION A	ND LOC	ATION		4. CO	MMAND:			5 AREA	CONST		
ANDREWS AIR FOR	RCE BASE	=		AIR MO	OBILITY (		ND	COST IN			
MARYLAND		-						1.00			
6. Personnel	PFI	RMANENT		S			SI	IPPORTEI	ר		
Strength	OFF									τοται	
AS OF 30 SEP 03	16981	65511	2031	011			011			11 19	
FND FY 2008	1689	66541	2761				<b>I</b>			11,10	
7 INVENTORY DAT	TA (\$000)	00041	2701	I		I			11,10		
Total Acreage:											
$\frac{1}{1000} = \frac{1}{1000} = 1$											
Inventory Total as of : (30 Sep 03) 2,287,724											
Authorization Not Ye	t in Invent	ory:								170,16	
Authorization Reque	sted in this	s Program:								17,10	
Authorization Include	ed in the F	ollowing Pi	rogram	1:	(FY 2006	)				9,70	
Planned in Next Thre	eeFour Ye	ars Progra	m:							19,90	
Remaining Deficienc	y:									66,00	
Grand Total:										2,570,59	
8. PROJECTS REQ	8. PROJECTS REQUESTED IN THIS PROGRAM: (FY 2005)										
CATEGORY								COST	DESIGN	STATUS	
CODE	PROJEC	ROJECT TITLE SCOPE \$,000 START CMPL									
112-211	ASA - Ale	SA - Alert Aircraft Support Facilities 8,361 SM 5,000 Dec 03 Sep 04									
141-183	ASA - Fic	ASA - Fighter Aircraft Alert Complex 3.698 SM 11.000 Dec 03 Sep 04									
422-264	ASA - Mi	unitions Sto	orage lo	aloo .		297	SM	1,100	Dec 03 S	Sep 04	
				0			TOTAL	17,100			
								,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
9a. Future Projects:	Included	in the Follo	owing l	Program	n: (F	Y2006)					
610-284	Mission S	Support Ce	nter. P	'h 1	<b>v</b> .	10.219	SM	9.700			
			,			-, -	TOTAL	9,700			
								-,			
9b Euture Projects:	Typical P	lanned Nex	xt Thre	e Years	3.						
442-758	Consolid	ated Aircra	ft Supr	oly Cent	er			19 900			
442 700	Consolia		n oup				τοται	19 900			
							IOIAL	15,500			
0c Roal Property M	aintonance	Backlog	This In	stallatio	n (¢M)					24	
30. Real Flopelly Ma			11115 111	Stallatio							
10. Mission or Major	Functions	s: An airliπ	wing fi	ying a v	ariety of f	xea wing	g and rot	ary aircraf	t responsi	ble for	
Presidential support	and suppo	ort of other	branci	nes of tr	ie Armed	⊢orces a	ind Fede	ral Agenci	es; Air Na	tional Guard	
Readiness Center; L	DC Air Nat	ional Guard	d ⊢-	16 fighte	er wing; ai	nd an Air	Force R	eserve Co	ommand C	-141 airlift	
wing.		<u> </u>									
11. Outstanding poll	ution and	Safety (OS	SHA De	eticienci	es):			_			
a. Air pollution								0			
b. Water Pollutio	on							0			
	_							-			
c. Occupational	Safety an	d Health						0			
d. Other Enviror	nmental							0			

DD Form 1390.24 Jul 00

ŀ							<u> </u>	
1. COMPONENT AIR FORCE		FY 2005 MILITARY (comp	CONSTRU uter gen	CTION Nerate	N PROJECT	DATA	2. DATE	
3 TNSTALLATIO		OCATION		4 D		TT.F	<b>_</b>	
ANDREWS AND DO								
ANDREWS AIR FO	RCE BAS	E, MARYLAND		ASA 1	ALERT AIR	FIELD SUPPOR	I FACILITIES	
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7. PROC	JECT 1	NUMBER	8. PROJECT	COST (\$000)	
41896		112-211	AJ.	XF039	162	5	,000	
		9. COS	T ESTIM	ATES		, , , , , , , , , , , , , , , , , , ,	_	
		ITEM		<u>и/м</u>	QUANTITY	UNIT	COST	
ALERT AIRFIELD	SUPPOR	F FACILITIES					3,459	
HIGH SPEED TAX	KIWAY			SM	8,361	120	( 1,003)	
AIRCRAFT ARRE	STING S	YSTEM		EA	2	490,000	( 980 )	
REPLACE CIVIL	ATR PA	TROL AREA		SM	388	1,292	( 501)	
REFERENCE STATE	POLICE	HANCAR APEA		CM	754	1 202	( 301)	
CUDDODETICS DIALE				SM	7.54	1,292	( 9/4)	
SUPPORTING FAC	LLITIES						1,072	
PAVEMENTS				LS			( 270)	
UTILITIES				LS			(250)	
SITE IMPROVEM	ENTS			LS			( 100)	
COMMUNICATION	SUPPOR	r		LS			( 120)	
TAXIWAY LIGHTS	3			LS			( 100)	
DRAINAGE IMPR	OVEMENT	5		LS			( 110)	
DEMOLITION				SM	1,142	107	( 122)	
SUBTOTAL							4,531	
CONTINGENCY	( 5.0	<del>ዩ</del> )					227	
FOTAL CONTRACT	COST					†	4.758	
SUPERVISION	USPROTT(	N AND OVERHEAD (	60 %)				285	
FOTAT DECUERT			0.0 0,			1	5.042	
TOTAL REQUEST							5,043	
TOTAL REQUEST	ROUNDEL	))					5,000	
Facilities to rdge lighting; runway with asp masonry sides w stilities. Bri Air Conditionin	include install phalt ma with sta ng <b>airh</b> g: 50	PCC pavement for a aircraft emergency aintenance access ro anding seam roofs on pase utility mains t	ircraft arresti bads. Co concret to the no	taxiv ng s onstr te pa ew fa	vay/maneuv ystems at uct two r ds, with cilities.	ering area, both ends of eplacement f partitions a	with <b>taxiway</b> E the west acilities, nd required	
11. REQUIREMENT	: 1,14	2 SM ADEQUATE	: 0 SM	ST	JBSTANDARI	: 1,142 SM		
PROJECT: Alert	: Airfie	eld Support Faciliti	.es (New	Miss	ion)			
<b><u>EQUIREMENT:</u></b> Provide Fighter Aircraft Alert Complex supporting facilities for munitions loaded aircraft on alert status for Operation Noble Eagle in support of the North <b>American</b> Aerospace Defence Command (NORAD). The new alert mission was established in response to national strategy requirements to support Homeland Defense capabilities throughout CONUS. These facilities are required to support the permanent Alert Complex to meet around the clock operational readiness based on prevailing world threat conditions. Alert shelter and crew quarters must be centrally located to ensure takeoff triteria within prescribed limits. The Alert Complex will ensure alert status aircraft								
Facilities must	rs will providens with	meet Homeland Defer le direct taxi pavem h maintenance acces	nce stea ments to us roads	dy st the at b	closest r closest r	tions. Suppo unway, emerg	rting ency aircraft west runway	
						buses		
DD FORM 1391, D	EC 99	Previous ed	litions a	re ol	bsolete.		Page No.	

1. COMPONENT		FY 2005 MILITARY CONSTRUCTION PROJECT DATA 2.									
AIR FORCE		(computer generated)									
3. INSTALLATION AND LOCATION 4. PROJECT TITLE											
ANDREWS AIR FO	EWS AIR FORCE BASE, MARYLAND ASA ALERT AIRFIELD SUPPORT D									FAC	ILITIES
5. PROGRAM ELE	MENT	ENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST							ST	(\$000)	
41896			112-211	AJXF039162 5,0					00		

'rovide replacement structures elsewhere on the base for facilities to be displaced by lert complex.

<u>UURRENT SITUATION:</u> Fighter aircraft loaded with live munitions are on alert and parked on existing apron to meet operation Noble Eagle mission capabilities. Base facilities lust be demolished and replaced elsewhere to provide an alert complex site. The present site also does not facilitate the fastest possible crew and aircraft response due to placement of support facilities and aircraft taxi time to the end of the runway, which of support facilities and aircraft taxi time to the end of the runway, which s presently in excess of two minutes. The replacement site is required to shorten wircraft alert response time by placing them in more efficient facilities closer to the primary take-off direction end of the runway, and to also meet the explosive quantitylistance requirements for safety. Taxiway pavements are required for direct travel from the alert site to the takeoff point. The main use (west) runway on the base does not ave an emergency aircraft arresting system with required maintenance access roads posing a risk to both pilot and aircraft in the event of an uncontrolled mission abort of landing. The proposed alert facility footprint will require the dislocation of two wirbase activities (Maryland State Police helicopter unit and Civil Air Patrol) to replacement sites which will need new construction and site support.

<u>(MPACT IF NOT PROVIDED:</u> Aircraft will not be able to react in minimum possible time and may not be able to launch on-time, potential loss of life, and potential loss of aircraft and surrounding facilities. Continued risk to civilian and military personnel and base property. Fighter aircraft using the west runway will continue to operate at high risk due to absence of aircraft arresting systems at both ends. Potential for loss of life and aircraft, and damage to base facilities is high.

ADDITIONAL: All known alternative options were considered during the development of the project. No other option could satisfactorily meet the alert mission requirements. BASE CIVIL ENGINEER: Lt. Col Dennis D. Yates (301) 981-7281

JOINT USE CERTIFICATION: This facility is programmed for joint use with ANG ; however, it is fully funded by the Air Force

1. COMPONENT AIR FORCE		FY 2005 MILITARY C (compute	ONSTRUC	TION PROJECT	DATA	2. DATE		
3. INSTALLATIO	ON AND L	OCATION		4. PROJECT 1	TITLE			
ANDREWS AIR F	ORCE BAS	E, MARYLAND		ASA ALERT AI	IRFIELD SUPPORI	FACILITIES		
5. PROGRAM EL	EMENT	6. CATEGORY CODE	7. PROC	JECT NUMBER	8. PROJECT COS	ST (\$000)		
41896		112-211	AJΣ	KF039162	5,0	000		
12. SUPPLEMEN a. Estimate (1) Statu	TAL DATA: d Design s:	Data:						
(a) Da	ate Desig	n Started Cost Estimatos usos	to dor	rolon gogta	10	-DEC-03		
(D) P	1ES							
• (c) Percent complete as of of DAN 2004 * (d) Date 35% Designed $20.$								
(e) Date Design Complete 10-								
(f) E	nergy St	udy/Life-Cycle analys	sis was/	will be perf	ormed	YES		
(2) Preste				_				
(2) Basis (a) S (b) W	: tandard ( here Desi	or Definitive Design ign Was Most Recently	- Vsed -			NO		
(3) Total	. Cost (c	(a) + (b)  or  (d) + (b) = (a) + (b)	) + ( <b>e):</b> Sization	_		(\$000)		
(a) P (b) A	11 Other	Design Costs	LICALION	.5		150		
(c) To	tal	Design Costs				450		
(d) C	ontract					400		
(e) I	n-house					50		
(4) Const	ruction	Contract Award				04 DEC		
(5) Const	ruction	Start				05 JAN		
(6) Const	truction	Completion				06 JAN		
* Indicat which i cost ar	es compl s compar nd execut	etion of Project Des able to traditional ability.	finition 35% des:	with Paramet ign to ensure	tric Cost Estin a valid scope,	nate		
b. Equipmen N/A	t associ	ated with this proje	ect prov	ided from ot	her appropriati	.ons		

1. COMPONENT	OMPONENT FY 2005 MILITARY CONSTRUCTION PROJECT DATA 2. DATE									
AIR FORCE			(comp	uter gen	nerate	ed)				
3. INSTALLATIO	N AND I	OCATION			4. P	ROJECT TI	TLE			
ANDREW AIR FO	RCE BAS	E, MARYLAND			ASA	FIGHTER A	IRCRAFT ALE	RT COM	PLEX	
5. PROGRAM ELE	MENT	6. CATEGORY	CODE	7. PRO	JECT )	NUMBER	8. PROJECT	COST	(\$000)	
41896		141-183		A.J	XF019	9187	1	11,000		
		9.	COS	T EST11	ATEE:	1	-1			
		ITEM			1∕M	JUANTITY	UNIT		COST	
FIGHTER AIRCRAN	T ALERI	COMPLEX							7,505	
AIRCRAFT ALER	r shelt	ERS			SM	3,066	1,571		( 4,817)	
MISSION CONTRO	OL/PLAN	NING/CREW QRTS			SM	604	2,659		( 1,606)	
ENTRY CONTROL	FACILI	TY			SM	20	2,321		<b>(</b> 65)	
AIRCRAFT SHEL	TER APR	ON			SM	8,695	117		( 1,017)	
SUPPORTING FAC	ILITIES							2,386		
UTILITIES/EMER	GENCY I	BACK-UP POWER			LS				<b>(</b> 310)	
FACILITY ACCE	ss ROAD	WAYS AND PAVEM	ENTS		LS				(145)	
SECURITY FENC	ING/LIG	HTS			LS				( 210)	
FIRE PROTECTI	ON				EA	6	250,000		(1,500)	
COMM SUPPORT					LS				(98)	
DEMOLISH EXIS	TING FA	CILITIES IN FO	OTPRI	NT	SM	1,142	108		( 123)	
SUBTOTAL									9,891	
CONTINGENCY	( 5.0	ક)							495	
TOTAL CONTRACT	COST								10,386	
SUPERVISION, II	NSPECTIC	N AND OVERHEA	D (	6.0 %)					623	
TOTAL REQUEST									11,009	
TOTAL REQUEST	(ROUNDED	))							11,000	
10. Descriptio	n of Pi	coposed Constru	uction	: Figh	ter A	ircraft A	lert Complex	x will	include	
six individual	alert s	shelters, airc	rew al	lert qua	rters	, and ent	ry control	facili	ty. The	
alert complex w	vill inc	lude addition	al PCC	2 paveme	nt fo	or aircraf	t parking a	nd		
taxiway/maneuve	ering ar	ea as well as	new a	sphalt	paven	ent for t	he fire resp	ponse a	access	
road. Alert co	mplex s	upport facilit	ies pe	er shelt	er ir	nclude ale	ert shelter	fire d	etection	
supply, piping	and num	system including system. and	centi	ralized	hiah	expansion	n foam system	m with	waler	
oscillating mor	nitor an	d storage tank	c; sec	curity r	requir	ements in	clude secur:	ity fe	ncing	
snd lighting; s	site imp	provements; sit	te uti	lities;	and	communica	tion support	F		
requirements. A	Air Cond	litioning: 175	KW.							
11. REQUIREMENT	: 3,69	0 SM ADE	QUATE	: 0 SM	នា	UBSTANDAR	D: 3,279 SM			
PROJECT: Fight	er Airc	raft Alert Co	mplex	(New Mi	ssion	)				
EQUIREMENT:	Provide	a Fighter Air	craft	Complex	with	direct r	unway access	for t	the	
sheltering of a	sheltering of munitions loaded aircraft on alert status for Operation Noble Eagle in									
support of the	North 2	American Aeros	pace 1	Defence	Comma	and (NORAL	)). The new a	alert n	nission	
)efence capabil	ities +	hroughout CON	US. Th	is perm	requ anent	Alert Co	co support i mplex will	accomm	odate	
alert mission f	lighter	aircraft to me	eet ar	ound th	e clo	ck operat	ional readin	ness ba	ased on	
prevailing worl	d threa.	t conditions.	Alert	shelte	r and	crew qua	rters must ]	be cen	trally	
Located to ens	ure take	eoff criteria	within	n prescr	ibed	limits. T	he Alert Con	nplex v	will	
nsure alert st	atus ai	rcraft and cre	ew men	bers wi	11 me	et Homela	nd Defence a	steady	state	
DD FORM 1391, D	EC 99	Previo	ous ed	itions a	are ol	bsolete.		Page	No.	

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1. COMPONENT AIR FORCE		FY 2005 MILITARY CONSTRUCTION PROJECT DATA (computer generated)								
3. INSTALLATIO	IN AND T.	AND LOCATION 4. PROJECT TITLE								
INDREWS ATD FORCE BASE MADVIAND										
HEIGHE AIR PC					Marine Register	AIRCRAFT ABERT	COHFLIER			
5. PROGRAM ELE	MENT	6. CATEGORY	CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST							
41896		141-183 AJXF019187 11,000								

perations. The Alert Complex will provide protection in the event of an accident or fuel spill fire to minimize damage to aircraft and base facilities as well as ensure the safety of aircrew members and base personnel. Supporting facilities must provide fightez sircraft mission control and planning, air crew billets for 12 persons, necessary munitions storage, fenced perimeter with electronic sensors and entry control facility, and back-up emergency power.

JURRENT SITUATION: Fighter aircraft loaded with live munitions are on alert and parked x existing apron to meet Operation Noble Eagle mission capabilities. The present site loes not facilitate the fastest possible crew and aircraft response due to placement of support facilities and aircraft taxi time to the end of the runway, which is presently in excess of two minutes. The replacement site is required to shorten aircraft alert response time by placing them in more efficient facilities closer to the primary takeoff direction end of the runway, and to meet the explosive quantity-distance requirement for safety. Existing alert shelters do not meet minimum Air Force standards for aircrew safety, required crew support facilities, or fire protection. The alert mission must operate under approved airfield and operational waivers. The potential exists for serious aircrew injuries, severe damage to alert mission aircraft, and limits the ability of base personnel to meet operational readiness and alert mission response standards. The base instituted interim administrative procedures for alert mission response, aircraft maintenance operations, logistical support, fire detection, and civil engineering capabilities as a workaround until a permanent Alert Complex with site improvements are provided. The existing site also lacks the PL-2 security facilities to include security fencing, entry control point, and intrusion sensors. The crew quarters consist of temporary trailers that are small and noisy. Site restrictions preclude the relocation of the trailer to a less noisy area. The trailers do not provide for a secure priefing rooms and the proper operational environment.

<u>IMPACT IF NOT PROVIDED:</u> Aircraft will not be able to react in minimum possible time and nay not be able to launch on-time, potential loss of life, and potential loss of aircraft and surrounding facilities. Existing operations are performed without complying with the prescribed procedures identified by safety and Air Force Fire Protection instructions to meet Air Force operational requirements. Continued risk to civilian and nilitary personnel and base property. Due to proximity of adjoining shelters, base personnel and multiple aircraft are at risk. Potential *for* loss of life and aircraft, and damage to base facilities, is high.

ADDITIONAL: Antiterrorism/Force protection requirements have been considered in the development of this project. All known alternative options were considered during the development of this project. No other option could satisfactorily meet the alert mission requirements. BASE CIVIL ENGINEER Lt. Col Dennis D.Yates (301) 981-7281

JOINT USE CERTIFICATION: This facility is programmed for joint use with ANG; however, it is fully funded by the Air Force.

1. COMPONENT		FY 2005 MILITARY C	ONSTRUC	TION	PROJECT	DAT	A		2.	DATE
AIR FORCE		(compute	er gener	aleu)	)					
3. INSTALLATIO	ON AND L	OCATION		4. P	ROJECT 1	<b>FITL</b>	Е			
ANDREWS AIR F	ORCE BAS	E, MARYLAND		ASA	FIGHTER	AIR	CRAFT	ALERI	c CO	MPLEX
5. PROGRAM EL	EMENT	6. CATEGORY CODE	7. PROC	JECT 1	NUMBER	8.	PROJEC	CT COS	ST (	\$000)
41896		141-183	KTA C	KF019	187			11,	000	
12. SUPPLEMEN	TAL DATA	:								
a. Estimate	d Design	Data:								
(1) Statu	s:									
(a) Da	(a) Date Design Started 20-D									
(b) Pa	(b) Parametric Cost Estimates used to develop costs									
* (C) Pe	ercent Co	omplete as of 01 JAN	2004							15%
* (d) Da	ate 35% 1	Designed						20	-APR	-04
(e) Da	ate Desig	gn Complete			1e		a	25	-SEP	-04 VEC
(I) E	nergy St	udy/Life-Cycle analys	315 was/	WIII	be peri	orme	a			YES
(2) Basis	:									
(a) S	tandard	or Definitive Design	-							NO
(b) W	here Des	ign Was Most Recently	/ Used -	•						
(2) Шана	1 Cast /c	$\mathbf{A} = (\mathbf{a}) + (\mathbf{b}) = (\mathbf{d})$	. (a).						( ***	
(3) TOTA.	roduction	f(a) + (b) of $(a)$	+ (e): figation	a					(\$0	660
(a) F	11 Other	Design Costs	LICALION							340
(c) To	tal	Debigin Cobeb							1,	000
(d) Co	ntract									850
(e) I	n-house									150
(4) Const	truction	Contract Award							05	JAN
(5) Const	truction	Start							05	FEB
(6) Cons	truction	Completion							06	JUL
* Indicat which i cost ar	tes compi is compar nd execut	letion of Project De rable to traditional tability.	finition 35% des	with ign t	n Paramet :o ensure	tric e va	Cost lid so	Estin cope,	nate	
b. Equipmen N/A	nt associ	ated with this proje	et prov	rided	from oth	her	approp	priati	ons	:

1. COMPONENT	FY 2004 MILITARY CONSTRUCTION PROJECT DATA 2. DATE						2. DATE			
AIR FORCE	(computer generated)									
3. INSTALLATION AND LOCATION 4. PROJECT TITLE										
ANDREWS AIR FORCE BASE, MARYLAND ASA MUNITIONS STORAGE IGLOO										
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJ			JECT NUMBER		8. PROJECT COST (\$000)					
41896 422-264 AJ			XF039	<b>XF039163</b> 1,100						
		9. <b>COS</b>	ATES	-						
ITEM				U/M	JUANTITY	UNIT	COST			
PRIMARY FACILITIES							560			
MUNITIONS STO	RAGE IG	LOO		SM	297	0	(0)			
MISSILE STORAGE AREA					297	1,884	(560)			
SUPPORTING FACILITIES							410			
UTILITIES				LS			(75)			
PAVEMENTS				LS			(95)			
SITE IMPROVEMENTS				LS			<b>(</b> 75)			
COMMUNICATION	SUPPO	RT		LS			<b>(</b> 15)			
SECURITY IMPR	ROVEMENT	S		LS			( 150)			
SUBTOTAL							970			
CONTINGENCY	( 5.0	<del>%</del> )				48				
FOTAL CONTRACT	COST					1,018				
SUPERVISION, INSPECTION AND OVERHEAD ( 6.0 %)							61			
FOTAL REQUEST							1,079			
FOTAL REQUEST	(ROUNDEI	))				1,100				
10. Description of Proposed Construction: Construct one earth covered steel arch igloo. Construction will include concrete foundations and floor slabs, steel arch frames and skins, covered with earth. Reinforced concrete end walls with a single steel blast door, security fence, alarms, gates, access roads, utilities, and supporting facilities.										
11. REQUIREMENT: 297 SM ADEQUATE: 0 SM SUBSTANDARD : 0 SM										
<b>PROJECT:</b> Munitions Storage Igloo (New Mission)										
<b>EQUIREMENT:</b> Base requires adequate storage for weapons used by F-16 fighter										
interceptor aircraft assigned to the CONUS air defense alert and combat air patrol (CAP)										
on Operation Noble Eagle.										
to store munitions for the dual role F-16 wing and the requirement to provide temporary storage for the Noble Eagle CAP. After September 11,2001, air defence alert and Cap uissions were tasked for the 113th Fighter Wing due to base's proximity to Washington, ).C. and other metropolitan areas. There is an increased need to store all-up air-to-air nunitions fully ready to be loaded. IMPACT IF NOT PROVIDED: Fully loaded aircraft are parked on the ramp in violation of safety rules. The storage of the missiles at other locations is not possible, since they would not meet the response time. ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32- 1084, "Facility Requirements" and is in compliance with the base master plan. BASE CIVIL ENGINEER: Lt. Col Dennis D. Yates (301) 981-7281 JOINT USE CERTIFICATION: This facility is programmed for joint use with ANG; however, it is fully funded by the Air Force.										
DD FORM 1391, I	102 round 1391, DEC 99 FIEVIOUS Editions are obsorble. Page NO.									
				2J						

1. COMPONENT AIR FORCE		FY 2004 MILITARY C	ONSTRUCI	TION PROJECT	DATA	2. DATE						
3. INSTALLATION AND LOCATION 4. PROTECT TITLE												
ANDREWS AIR FORCE BASE, MARYLAND ASA MUNITIONS STORAGE IGLOO												
5. PROGRAM EL	EMENT	6. CATEGORY CODE	6. CATEGORY CODE 7. PROJECT NUMBER 8. B			PROJECT COST (\$000)						
41896		422-264	1,	1,100								
12. SUPPLEMENTAL DATA:												
a. Estimated Design Data:												
(1) Status:												
(a) Da	15	-DEC-03										
(D) P		15%										
• (d) Da	te 35% D	Designed			20	-MAR-04						
(e) Da	10	-SEP-04										
(f) E	nergy St	udy/Life-Cycle analy	sis was/	will be perf	ormed	YES						
(2) Basis	:											
(a) S		NO										
(b) Wh	ere Desi	gn Was Most Recently	7 Used -									
(3) Total	l Cost (d	(a) = (a) t (b) or (d)	t (e):			(\$000)						
(a) P:	roduction	n of Plans and Speci	fication	s		66						
(b) A	ll Other	Design Costs				34						
(C) To	tal					100						
(d) (d) (e) In	house					10						
(4) Const	ruction	Contract Award				04 DEC						
(5) Const		05 JAN										
(6) Const	truction	Completion				05 SEP						
• Indicat which i cost an	es compl s compar nd execut	etion of Project Def able to traditional ability.	inition 35% des:	with Paramet ign to ensure	ric Cost Estin valid scope,	ate						
b. Equipmen N/A	t associ	ated with this proje	ect prov	ided from oth	er appropriati	ons:						
	NEC 99	Previous edit	iong ar	a obsolete	Da	co No						