

### Department of the Air Force

# Military Construction and Family Housing Program

## Fiscal Year (FY) 2003 Budget Submission

Justification Data Submitted to Congress February 2002

1. COMPONENT	1. COMPONENT FY 2003 MILITARY CONSTRUC					TA	2. DATE
AIR FORCE (computer generated)							
3. INSTALLATION VANDENBERG AIR	-	CATION BASE. CALIFORNIA		JECT TITLE _ STORMWA	TER DRAINA	AGE	
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7. P	ROJECT	NUMBER	8. PROJEC	T COST (\$000)
35856		871-183		XUMU033	3003		3.100
		9 COS	T EST	IMATES			1
	1	TEM		U/M	QUANTITY	UNIT COST	COST ( <b>\$00</b> 0)
INSTALL STORMW	/ATER DF	RAINAGE		LS			1.82:
(2)INSTALL STO	RMWATE	R DRAINAGE		LM	1.590	1.146	6 (1.82;
SUPPORTING FAC	_						94(
SITE PREPARAT				LS			(590
ENVIRONMENTA	L MITIG	ATION/RESTORATION		LS			(350
SUBTOTAL							2,762
CONTINGENCY (	5.0 %)						13E
TOTAL CONTRACT COST							2,900
SUPERVISION, INSPECTION & OVERHEAD ( 5.7 %)							165
TOTAL REQUEST							3.066
TOTAL REOUEST (ROUNDED)							3,100
<u> </u>							

10. Description of Proposed Construction Install underground reinforced concrete pipe (RCP) storm drain system. Install lateral connectron lines to connect culverts all the landfill perimeter. Plug and abandon in place existing 36' corrugated metal pipe (CMP) storm drain. Provide all appurtenances for a complete and usable structure. Biological and cultural mitigation during construction will be required.

#### 11. REQUIREMENT, 1.590 LS ADEQUATE LS SUBSTANDARD LS

PROJECT: Install Stormwater Dratnage (Current Mission)

REQUIREMENT: This is a Level I environmental compliance project The Vandenberg AFB landfill needs a new stormwater drainage system to divert stormwater runoff away from the site and avoid contact with burled waste. This drainage system will significantly reduce the generation of excess leachate (water that has been in contact with waste) and reduce erosion of the landfill surface, which produces elevated levels of total suspended solids (TSS). The Intended result will be the minimization of contamination to downstream ecosystems (river, wetland, and Pacific Ocean). Installation of this new stormwater drainage system is required to regain compliance with water quality standards of the Clean Waler Act.

CURRENT SITUATION. The Vandenberg AFB landfill is a permitted Class III waste management facility. operating pursuant to Solid Waste Facility Permit No 42-AA-0012 and Waste Discharge Requirements Order No. \$34-26 Issued by the California Regional Water Quality Control Board The landfill is located in Oak Canyon in the main base cantonment area, which eventually flows into the Santa Ynez River and Lagoon to the Pacific Ocean. The landfill covers approximately 172 acres and has been in operation since World War II. Life expectancy of the lanfill is approximately 80 years. Stormwater, originating off-site, is naturally channeled to the landfill. This gives rise to two non-compliant environmental issues. Stormwater that travels across the landfill footprint erodes the surface picking up contaminants, and is discharged downstream. Currently, this discharge exceeds the total suspended solids (TSS) standards at its outfall, as permitted under the National Pollution Discharge Elimination system. Excess TSS subjects the base to regulatory enforcement action. The other non-compliant condition is generation of excessive leachate, which is produced when stormwater travels across the landfill and percolates through the burled waste. This leachate produces dissolved and finely suspended matter and microbial waste products toxic to sensitive ecosystems. Although an existing drainage pipe runs through part of the landfill, it is dilapidated and allows additional stormwater to infiltrate the waste. During recent inspections, the Regional Water Quality Control Board has expressed concerns with both conditions. They are expected to issue a Notice of Violation, subjecting the base to fines and penalties until compliance is achieved

1. COMPONENT		FY 2003 MILITARY CON	ISTRUCTION PROJECT DA	·ΤΑ	2. DATE			
AIR FORCE	FORCE (computer generated)							
3. INSTALLATION AND LOCATION 4. PROJECT TITLE VANDENBERG AIR FORCE BASE, CALIFORNIA INSTALL STORMWATER DRAINAGE								
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJEC	CT COST (\$000)			
35856	35856 871-183 <b>XUMU033003</b> 3.100							
overwhelm the exist water feeding severa (wetland), and the of controlled and broug Control Board will is:	al ecosyste coastal regi ght back ir sue a Noti	quate storm drainage systems downstream, including on of the Pacific Ocean. Into compliance with water ice of Violation and fines.	storms. contamrnated stormw tem. The contaminated wate g the Santa Ynez River, the If the contamrnated stormwa quality standards, then the for Landfill Drainage Improve	er threatens to e Santa Ynez eter and <b>leac</b> l Regional Wa	he quality of Lagoon nate is not iter Quality			
			(805) 606-8232. Install Storr	•	•			

5,216 LF. Design Build - Design Build Cost (4% of Subtotal Cost). \$1 10,000

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. COMPONENT AIR FORCE	FY 2003 MILITARY CONSTRUCTION PROJECT DAT. (computer generated)	A 2. DATE
3. INSTALLATION		
VANDENBERG AIR	FORCE BASE, CALIFORNIA	
4. PROJECT TITLE		5. PROJECT <b>NUMBE</b>
INSTALL <b>STORMW</b>	ATER DRAINAGE	XUMU033003
12. SUPPLEMEN	NTAL DATA:	Design Build
a. Estimated	l Design Data:	
(1) Proiec	t to be accomplished by design-build procedures	
(2) Basis:		
` ,	andard or Definitrve Design -	NO
(b) Wh	ere Design Was Most Recently Used -	
(3) Design	Allowance	83
(4) Constru	uction Contract Award Date	02 <b>Oct</b>
(5) Constr	uction Start	02 <b>Dec</b>
(6) Constr	uction Completion	03 Sep
(7) Energy	Study/Life-Cycle analysis was/will be performed	YES
b Equipment assother appropriation	sociated with this project will be provided from ans: N/A	

DD FORM 1391, Apr 01 Page No

1. COMPONENT		FY 2003 MILITARY COI	NSTR	UCTION	PROJECT DA	TA	2. DATE
AIR FORCE		(compu	ıter g	jenerated	1)		
3. INSTALLATION VANDENBERG AIR	-	CATION BASE, CALIFORNIA			DJECT TITLE ADE WATER I 2	DISTRIBUTIO	N SYSTEM,
5. PROGRAM ELEI	MENT	6. CATEGORY CODE	7. P	ROJEC	Γ NUMBER	8. PROJEC	T COST (\$000)
35856		841-161	>	KUMU00	3005A		7.400
		9 COS	T EST	TIMATES			
	I	TEM		U/N	QUANTITY	UNIT	COST (\$000)
UPGRADE WATER	DISTRIB	UTION SYSTEM		LM	17.500		2.991
DISTRIBUTION LINES, 6"- 10'				LM	12.063	129	(1,556)
SUPPLY LINES. 1	12"- 20"			LM	5,437	264	(1,435)
SUPPORTING FAC	ILITIES			LS			3.684 (797)
SITE RESTORAT	ION			LS			(506)
VALVES				EA	250	4,321	(1,080)
FIRE HYDRANTS				EA	182	5.604	(1.020)
DEMOLITION				LS			(281!)
SUBTOTAL							6.676
CONTINGENCY ( 5	•						334
IFOTAL CONTRACT COST SUPERVISION, INSPECTION & OVERHEAD ( 5.7 %)							7,009 4oc)
TOTAL REQUEST							7.409
TOTAL REQUEST (	(ROUNDEI	D)					7,400
<u> </u>							

10. Description of Proposed Construction: Upgrade water supply and distribution lines in the main cantonment area of Vandenberg Air Force Base Includes all necessary pipelines, valves, backflow devices, blow-off and air release valves, fire hydrants, cathodic protection, appurtenances, and associated road repairs. Abandon existing system in place as necessary

I 1. REQUIREMENT 28.640 LM ADEQUATE: 11,140 LM SUBSTANDARD: 17.500 LM

PROJECT Upgrade Water Distribution System, Phase 2 (Current Mission)

<u>REQUIREMENT:</u> This is a Level 1 Environmental compliance project Vandenberg AFB does not meet California Code of Regulation (CCR) Title 22. Section 64426 of California's safe drinking water act. Title 22 mandates that the maximum contaminant level can not be more than one positive sample per every 40 samples in public water systems.

<u>CURRENT SITUATION:</u> The water distribution system in the main cantonment area of the base was originally constructed in 1943. Since then, over 80 percent of the WWII facilities have been demolished, but the water system serving these sites remains largely active but unused causing stagnation. The network of randomly capped, abandoned and underutilized water supply lines provide recesses within the system where drinking water stagnates. This stagnation leads to loss of disinfectant residual. Lack of drsmfectant has led to bacteria growth exceeding the state bacteriological standard. Degradation of chloramme disinfectant during stagnation releases nutrients that certain types of bacteria thrive on, increasing coliform population and violating CCR Title 22. This scenario was realized during multiple line breaks in 1996 and 1997 resulting in positive bacteriological samples that led to a Notice of Violation (NOV) in 1997

IMPACT IF NOT PROVIDED: Stagnation in the water system will continue leading to disrifectant residual degradation in violation of California Health and Safety Code and the 30 Space Wing Water Quality Management Plan 32-1067. Outbreaks of bacteria will lead to public "do not drink" notifications and future NOVs due to violatrons of CCR Title 22. These outbreaks could result in penalties or fines from an NOV and adverse impacts

1. COMPONENT	F	FY 2003 MILITARY CONSTRUCTION PROJECT DATA 2. DATE							
AIR FORCE		(compu	ter g	generated)					
3. INSTALLATION		_			ECT TITLE				
VANDENBERG AIR	FORCE	BASE, CALIFORNIA		PHASE 2		DISTRIBUTIO	N SYS	šIEM,	
5. PROGRAM ELEM	MENT	6. CATEGORY CODE	7. I	PROJECT	NUMBER	8. PROJEC	CT CO	ST <b>(\$000</b> )	
35856		841-161	;	XUMU003	005A		7.	400	
to the health of the	base popu	ılace.							
Requirements.' All ki option could meet e performed. A certific upgrade water distrik	nown alter nvironmentate of exc bution syst	meets the criteria/scope rnative options were contal and mission requirem ception has been prepared tem to correct Level 1 err D. Kopp, (805) 606-6	sidere ents; d. Th	ed during therefore, his is the s nmental <b>re</b> c	the developm no economic second and fi quirements w	nent of this position analysis wa inal phase of vithin the can	oroject. s need project tonmen	No other ded or to area.	

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. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION	AND LOCATION	
VANDENBERG AIR	R FORCE-BASE, CALIFORNIA	
I. PROJECT TITLE		5. PROJECT NUMBER
JPGRADE WATER	DISTRIBUTION SYSTEM, PHASE 2	XUMU003005A
12: SUPPLEME	NTAL DATA: Design	gn, Bid, Build
a. Estimated	Design Data:	
(1) Status	:	
(a) Da	ite Design Started	20-APR-01
(b) Pa	rametric Cost Estimates used to develop costs	YES
. (c) Pe	rcent Complete as of Jan 02	15 %
. (d) Da	te 35% Designed.	10-SEP-01
(e) Da	te Design Complete	08-AUG-02
(f) Ene	ergy Study/Life-Cycle analysts was/will be performed	NO
(2) Basis:		
(a) Sta	andard or Definitive Design -	NO
(b) Wh	nere Design Was Most Recently Used -	
(3) Total (	Cost (c) = (a) + (b) or(d) + (e):	(\$000)
(a) Pro	oduction of Plans and Specifications	444
(b) All	Other Design Costs	222
(c) Tot	al	666
(d) Co	ntract	600
(e) In-	house	66
(4) Constr	uction Contract Award Date	02 <b>Oct</b>
(5) Constr	uction Start	02 <b>Dec</b>
(6) Constr	uction Completion	04 Mar
Estimate w	completion of Project <b>Definition</b> with <b>Parametric</b> Cost thich is comparable to <b>traditional</b> 35% <b>design</b> to ensure <b>valid</b> cost and executability.	
3. Equipment assorther appropriate	ociated with this project will be provided from riations: N/A	

DD FORM 1391c, DEC 76 Page No 79

1. COMPONI AIR FORC		FY2	003		RY CONS		ON PR	OGRAM		2. DATE	
3. INSTALLA	TION A	ND LOCA	ATION		<b>4</b> . COMM	IAND				5. ARE	CONST
BUCKLEY A	JR FOF	RCE BAS	E. COLOI	RADO	AIR FOR	RCE SPA	CE CO	DMMAND		COST	INDEX
			_,								1.03
6. PERSO	NNEI	PFR	MANENT	_		STUDE	NTS		SLIPP	ORTED	
STRENGTI		OFF	ENL	CIV	OFF	ENL	CIV	' OFI		CIV	TO1 <b>'AL</b>
a. As of 30 S	eo 00	156	895	730	011	LINE	0.1	011	LINE	1 0.1	1.781
	2005	140	860	828							1.828
D. LIIUT I	2005	140	800		NVENTOR	V DATA (	t(000)				1.020
T / I A					NVENTOR	Y DATA	<b>X</b> (000)				
a. Total Acrea	_	, ,,	3.832	2							
b. Inventory T			•							316238	
c. Authorization			-	·						9.455	
d. Authorization			_		(FY200-	<b>4</b> )				17.700	
f. Planned in I			_	-	(F1200	<del>+</del> )				18,570 81.600	
g. Remaining		•	iiii reais.							102.150	
h. Grand Tota		nioy.							_	545.713	
3. Projects Re		d in this F	rogram.	FY2003						0 10.7 10	
CATEGORY	quootot	u u	rogram						COST	DESIGN S	STAT1 <b>JS</b>
CODE	PRC	JECT TI	TLE .			SC	OPE		\$(000)	START	CMP
131-132	Add/Alt	ter SBIRS	Mission (	Control S	Station		2.705	SM	\$6,900	JAN 0	1 AUG 02
610-249								APR 01	SEP 02		
	-	-						Total	\$17,700	_	
a. Future Pro	jects: Ir	ncluded in	the Follo	wing Pro	ogram: (1	FY2004)					
610-127	Civil Er	ngineer Co	omplex				1.067	SM	\$6,600		
		unity Supp	-	ties			1.667	SM	\$4.670		
		e Base Ir				,	18.379		57.300		
	opgiaa	o Bacc II	iii aoti aotai	0 1 11 111			0.010	Total		_	
<b>⅓</b> b. Future Pro	iects: T	vnically P	hnned Ne	ext Four	Years			Total	ψ10.070		
	-	uel Cente		on i oui	rouro	42	20.000	GL	\$6.000		
		unications					2,444		\$10.300		
	Outdooi	r Small A	rms Rang	е				SM	\$2.600		
		aining Fac	•					EA	\$2,500		
		Maint Fa	-				1.612	SM	\$4,600		
442-758	Consoli	dated Bas	se Wareh	ouse			9,293	SM	\$8.700		
442-758	Logistic	s Comple	x/HAZMA	RT			1.230		\$3,500		
610-243	Consoli	idated Se	rvices Fac	;			3,171	SM	\$5,900		
722-351	Dining I	Hall					920	SM	\$3.000		
730-441	Education	on Center	•				2.005	SM	\$4,000		
	Chapel	Center					1,633		\$3.900		
	•	y Forces (	Operation	s <b>Facility</b>			2.390		86.900		
		evelopme	-				1.386	SM	\$3,400		
750-172	Athletic	Fields					4	EA	\$2.000		
312-223	Upgrade	e Base In	frastructur	e. Phase	· IV		1	LS	\$8,000		
351-147 F	Perimet	ter Road				6	4.126	SM	\$3,300		
352-262 <i>I</i>	ADF Pa	arking				1	8.000	SM	83.000		
c. Real Prope	rty Maii	ntenance	Backlog	This Inst	allation					12	
<u> </u>			7.								

<sup>0.</sup> Mission or Major **Functions**: A space group; a space **warning** squadron; an **operations** support squadron; **ierospace** Data Facility; an Air Force Reserve Command space **warning** squadron; and an **Air** National Guard wini**g** 

1. COMPONENT AIR FORCE	_	ARY CONSTRUCTION PROGRAM uter generated)	2. DATE
3. INSTALLATION AND BUCKLEY AIR FORC	LOCATION E BASE, COLORADO	4. COMMAND  AIR FORCE SPACE COMMAND	5. AREA CONST COST INDEX 1.03
with F-16 aircraft			•
11. Outstanding <b>poliutic</b>	n and safety (OSHA) de	ficiencies:	
a. Air pollution			0
b. Water <b>pollution</b>			0
c. Occupational Saf	ety and <b>Health</b>		0
d. Other Environme	ntal		0

1. COMPONENT		FY 2003 MILITARY CON	ISTRU	JCTION	PROJECT DA	TA	2. DATE
AIR FORCE (computer generated)							
3. INSTALLATION A	ND LOC	CATION		4. PRO	JECT TITLE	Į.	
BUCKLEY AIR FORG	CE BASE	E, COLORADO		ADD/AL	TER SBIRS M	MISSION CON	ITROL STATION
5. PROGRAM ELEM	IENT	6. CATEGORY CODE	7 PF	ROJECT	NUMBER	8. PROJECT	T COST (\$000)
64441		131-132	C	RWU033	3001		6,900
		9 COST	r est	IMATES			
	ı	TEM		U'N	QUANTITY	UNIT COST	COST (\$000)
ADD/ALTER SBIRS	MISSION	CONTROL STATION		SM	2.705	2.04:	5.53:
ADD TO MISSION	CONTR	OL STATION		SM	1,673	2.735	(4,57€
ALTER MISSION	CONTRO	L STATION		SM	1,032	900	(929
ANTITERRORISM	FORCE	PROTECTION		SM	2.705	10	(27
SUPPORTING FACIL	LITIES						72C
UTILITIES				LS			(32C
PAVEMENTS				LS			(150
SITE IMPROVEME	NTS			LS			(150
UNINTERRUPTIBLE	POWE	R SUPPLY SUPPORT		LS			(100
SUBTOTAL							6,252
CONTINGENCY ( 5.	0 %)						313
TOTAL CONTRACT COST							6,564
SUPERVISION, INSPECTION & OVERHEAD ( 5.7 %)							374
TOTAL REQUEST							6.936
TOTAL REQUEST (R	ROUNDE	D)					6.900
						1	

10 Description of Proposed Construction Single story with concrete foundations/floor slab. Insulated concrete walls, steel frame, and roof Includes computer access flooring, fire detection and suppression systems, environmental controls, Sensitive Compartmental Information Facility, intrusion detection, lightning protectron, and all other support. Comply with DoD interim minimum force protectron constructron standard

Air Conditioning 375 KW

#### 11. REQUIREMENT: 6,442 SM ADEQUATE. 3.737 SM SUBSTANDARD 1,032 SM

PROJECT: Add to and alter Space Based Infrared System (SBIRS) mission control station, (New mission)

REQUIREMENT: Provide a secure ground segment facility to house the SBIRS Mission Control Station (MCS) Increment 2 and 3 Increment 2 brings the first of the new SBIRS satellites on line, replacing the aging Defense Support Program (DSP) system. Increment 3 will be the Low Earth Orbit (LEO) segment of this system. As SBIRS has been developed, hardware requirements have Increased over the original concept, resulting in the need to enlarge and alter the MCS. The MCS provides central processing functions for tactical and strategic space based early missile warning, battlespace characterization, and technical intelligence gathering requirements. The SBIRS program fuses data from multiple satellite constellations and existing classified ground esources to assess and respond to ballistic missile threats to North America and tactical threats around the vorld. Comply with DoD interim minimum force protectron construction standard

CURRENT SITUATION: The DSP has for many years provided strategic early warning and assessment in defense of North America. The system uses 1970's technology that is outdated and ineffective for supporting rost cold-war tactical warning. In addition, the system uses equipment that is both expensive to repair and is apidly becoming unsupportable. SBIRS is consolidating the DSP functional capability at the MCS and allowing closure of costly overseas ground stations. In addition, SBIRS will correlate data from other satellite and ground sources to provide multi-layered, composite ballistic missile warning and battlespace characterization vital to evaluating accurate threat assessment.

COMPONENT	FY 2003 MILITARY CONS	TRUCTION PRCNECT DATA	2. DATE
AIR FORCE	(comput	er generated)	
3. INSTALLATION	AND LOCATION	4. PROJECT TITLE	
3UCKLEY AIR FO	RCE BASE, COLORADO	ADD/ALTER SBIRS MISSION C	ONTROL STATION
). PROGRAM ELE	EMENT 6. CATEGORY CODE	7. PROJECT NUMBER 8. PROJ	ECT COST (\$000)
64441	131-132	CRWU033001	6,900
ailure to construct outdated DSP syste imited ability to cha	this addition and support the SBIRS em, 2) compromised ability to suppor	ments 2 and 3 of this System cannot program will result in 1) continued ret the warfighter's theater warming requents and intelligence gathening. An Allated the need for this project.	eliance on an uirements, and 3)
Requirements" Sporeliminary analysts construction was of Because of this, a Base Civil Engineer	pace requirements are based on con- is of reasonable options for accomplish completed. It indicates there is only of full economic analysis was not perform	ect in Air Force Handbook 32-1084, "cept proposals and have been validated in this project to Include status que ne option that will meet operational remed A certificate of exception has 631. Add to Mission Control Station:	ed by the user A o and new equirements been prepared
-	-		
by other	USE CERTIFICATION: Thir components on an "as avail be of the project is based on A	able" basis; however,	

(b) Parametric Cost Estimates used to develop costs  (c) Percent Complete as of Jan 02  (d) Date 35% Designed.  (e) Date Design Complete  (f) Energy Study/Life-Cycle analysts was/will be performed  (2) Basis:  (a) Standard or Definitive Design -  (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e):  (a) Productron of Plans and Specifications  (b) All Other Design Costs  (c) Total  (d) Contract  (e) In-house  (5) Construction Contract Award Date  (5) Construction Start  20-AUG-02  20-AUG-02  20-AUG-02  (9) Energy Study/Life-Cycle analysts was/will be performed  YES  (15 9  20-AUG-02  (16 ) Energy Study/Life-Cycle analysts was/will be performed  YES  (17 ) Energy Study/Life-Cycle analysts was/will be performed  YES  (20 - AUG-02  (18 ) Energy Study/Life-Cycle analysts was/will be performed  YES  (21 ) Energy Study/Life-Cycle analysts was/will be performed  YES  (22 - AUG-02  (3) Total Cycle analysts was/will be performed  YES  (28 ) Energy Study/Life-Cycle analysts was/will be performed  YES  (29 - AUG-02  (4) Construction Contract Award Date  (5) Construction Start  YES  (20 - AUG-02  (5) Percent Complete as of Jan 02  (6) Production Start  YES  (20 - AUG-02  (5) Percent Complete as of Jan 02  (6) Production Contract Award Date  (7) Production Start  YES  (20 - AUG-02  (5) Production Contract Award Date  (8) Production Contract Award Date	1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
DESIGNATION   S. PROJECT NUMBING CRWU033001	AIR FORCE	(computer generated)		
I. PROJECT TITLE  IDD/ALTERSBIRS MISSION CONTROL STATION  12. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status:  (a) Date Design Started  (b) Parametric Cost Estimates used to develop costs  (c) Percent Complete as of Jan 02  (d) Date 35% Designed.  (e) Date Design Complete  (f) Energy Study/Life-Cycle analysts was/will be performed  (g) Basis:  (a) Standard or Definitive Design -  (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e):  (a) Productron of Plans and Specifications  (b) All Other Design Costs  (c) Total  (d) Contract  (e) In-house  (f) Constructron Start  (g) Constructron Completion  indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.  Design, Bid, Build  15-JAN-0	3. INSTALLATION	AND LOCATION		
DD/ALTERSBIRSMISSION CONTROL STATION  12. SUPPLEMENTAL DATA: a. Estimated Design Data:  (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 02 (d) Date 35% Designed. 20-SEP-01 (e) Date Design Complete (f) Energy Study/Life-Cycle analysts was/will be performed (g) Basis: (a) Standard or Definitive Design (b) Where Design Was Most Recently Used (3) Total Cost (c) = (a) + (b) or (d) + (e): (b) All Other Design Costs (c) Total (d) Contract (e) In-house (1) Construction Contract Award Date (5) Constructron Start (6) Constructron Completion indicates completion indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.	BUCKLEY AIR FOR	RCE BASE, COLORADO		
12. SUPPLEMENTAL DATA:  a. Estimated Design Data:  (1) Status:  (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 02 (d) Date 35% Designed. (e) Date Design Complete (f) Energy Study/Life-Cycle analysts was/will be performed (g) Basis:  (a) Standard or Definitive Design (b) Where Design Was Most Recently Used (3) Total Cost (c) = (a) + (b) or (d) + (e): (3) Total Cost (c) = (a) + (b) or (d) + (e): (5) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Contract Award Date (5) Constructron Start (6) Constructron Completion indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.  D. Equipment associated with this project will be provided from				
a. Estimated Design Data:  (1) Status:  (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 02 (d) Date 35% Designed. (e) Date Design Complete (f) Energy Study/Life-Cycle analysts was/will be performed (g) Basis: (a) Standard or Definitive Design (b) Where Design Was Most Recently Used (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Productron of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Constructron Contract Award Date (5) Constructron Completion (6) Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.  (6) Equipment associated with this project will be provided from	ADD/ALTERSBIRS	MISSION CONTROL <b>STATION</b>		CRWU033001
(1) Status:  (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 02 15 % (d) Date 35% Designed. 20-SEP-01 (e) Date Design Complete (f) Energy Study/Life-Cycle analysts was/will be performed (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Productron of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Contract Award Date (5) Constructon Start (6) Constructon Completion (6) Constructon Completion (6) Constructon Completion (6) Constructon Completion (6) Construction of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.  2) Equipment associated with this project will be provided from	12. SUPPLEMEN	NTAL DATA: De	sign, Bi	id, Build
(a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 02 (d) Date 35% Designed. (e) Date Design Complete (f) Energy Study/Life-Cycle analysts was/will be performed (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Productron of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (f) Construction Contract Award Date (f) Constructor Completion indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.  Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.  Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.	a. Estimated	I Design Data:		
(b) Parametric Cost Estimates used to develop costs  (c) Percent Complete as of Jan 02  (d) Date 35% Designed.  (e) Date Design Complete  (f) Energy Study/Life-Cycle analysts was/will be performed  (2) Basis:  (a) Standard or Definitive Design  (b) Where Design Was Most Recently Used  (3) Total Cost (c) = (a) + (b) or (d) + (e):  (b) All Other Design Costs  (c) Total  (d) Contract  (e) In-house  (f) Constructron Completion  indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.	(1) Status	:		
. (c) Percent Complete as of Jan 02 . (d) Date 35% Designed. (e) Date Design Complete (f) Energy Study/Life-Cycle analysts was/will be performed (P) Basis: (a) Standard or Definitive Design (b) Where Design Was Most Recently Used (3) Total Cost (c) = (a) + (b) or (d) + (e): (b) All Other Design Costs (c) Total (d) Contract (e) In-house (f) Construction Contract Award Date (f) Constructron Start (g) Constructron Completion (h) Construction of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.  Decorption  15 % 20-SEP-01 20-SEP-	(a) Da	te Design Started		15-JAN-01
. (d) Date 35% Designed.  (e) Date Design Complete  (f) Energy Study/Life-Cycle analysts was/will be performed  (2) Basis:  (a) Standard or Definitive Design -  (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e):  (a) Productron of Plans and Specifications  (b) All Other Design Costs  (c) Total  (d) Contract  (e) In-house  (4) Construction Contract Award Date  (5) Constructron Start  (6) Constructron Completion  indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.	(b) Pa	rametric Cost Estimates used to develop costs		YES
(e) Date Design Complete  (f) Energy Study/Life-Cycle analysts was/will be performed  (2) Basis:  (a) Standard or Definitive Design -  (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e):  (a) Productron of Plans and Specifications  (b) All Other Design Costs  (c) Total  (d) Contract  (e) In-house  (4) Construction Contract Award Date  (5) Constructron Start  (6) Constructron Completion  indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.  20-AUG-02  (5) Canstructron Completion  output  20-AUG-02  (\$000)	. (c) Pe	rcent Complete as of Jan 02		15 <b>%</b>
(f) Energy Study/Life-Cycle analysts was/will be performed  (2) Basis:  (a) Standard or Definitive Design - NC  (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)  (a) Productron of Plans and Specifications 414  (b) All Other Design Costs 207  (c) Total 621  (d) Contract 514  (e) In-house 107  (4) Construction Contract Award Date 02 Oct (5) Constructron Start 02 Dec (6) Constructron Completion 107  indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.	. (d) Da	te 35% Designed.		20-SEP-01
(2) Basis:  (a) Standard or Definitive Design - NC  (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)  (a) Productron of Plans and Specifications 414  (b) All Other Design Costs 207  (c) Total 621  (d) Contract 514  (e) In-house 107  (4) Construction Contract Award Date 02 Oct (5) Constructron Start 02 Dec (6) Constructron Completion 04 Mar indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.	(e) Da	te Design Complete		20-AUG-02
(a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Productron of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (f) Construction Contract Award Date (5) Constructron Start (6) Constructron Completion (6) Constructron Completion (6) Constructron Completion (6) Constructron Comparable to traditional 35% design to ensure valid scope and cost and executability.  (a) Standard or Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.	(f) Ene	ergy Study/Life-Cycle analysts was/will be performed		YES
(b) Where Design Was Most Recently Used -  (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)  (a) Productron of Plans and Specifications 414  (b) All Other Design Costs 207  (c) Total 621  (d) Contract 514  (e) In-house 107  (4) Construction Contract Award Date 02 Oct (5) Constructron Start 02 Dec (6) Constructron Completion 04 Mar indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.	(2) Basis:			
(3) Total Cost (c) = (a) + (b) or (d) + (e):  (a) Productron of Plans and Specifications  (b) All Other Design Costs  (c) Total  (d) Contract  (e) In-house  (f) Construction Contract Award Date  (g) Constructron Start  (g) Constructron Start  (h) Constructron Completion  (o) C	(a) Sta	andard or Definitive Design -		NO
(a) Productron of Plans and Specifications 414 (b) All Other Design Costs 207 (c) Total 621 (d) Contract 514 (e) In-house 107 (4) Construction Contract Award Date (5) Constructron Start 02 Dec (6) Constructron Completion indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.	(b) Wh	nere Design Was Most Recently Used -		
(b) All Other Design Costs  (c) Total  (d) Contract  (e) In-house  107  (4) Construction Contract Award Date  (5) Constructron Start  (6) Constructron Completion  indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.  207  207  208  207  621  107  20 Dec  208  209  209  200  200  201  202  203  204  205  207  207  208  209  209  200  200  201  202  203  204  205  207  207  208  209  209  209  209  209  209  209	(3) Total C	Cost(c) = (a) + (b) or (d) + (e):		(\$000)
(c) Total  (d) Contract  (e) In-house  107  (4) Construction Contract Award Date  (5) Constructron Start  (6) Constructron Completion  indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.	(a) Pro	oductron of Plans and Specifications		414
(d) Contract  (e) In-house  107  (4) Construction Contract Award Date  (5) Constructron Start  (6) Constructron Completion  indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.  5. Equipment associated with this project will be provided from	(b) All	Other Design Costs		207
(e) In-house  (4) Construction Contract Award Date  (5) Constructron Start  (6) Constructron Completion  indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.  5. Equipment associated with this project will be provided from	(c) Tot	al		621
(4) Construction Contract Award Date  (5) Constructron Start  (6) Constructron Completion  indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.  D. Equipment associated with this project will be provided from	(d) Co	ntract		514
(5) Constructron Start  (6) Constructron Completion  indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.  D. Equipment associated with this project will be provided from	(e) In-	house		107
(6) Constructron Completion  indicates completion of Project <b>Definition</b> with Parametric Cost <b>Estimate</b> which is comparable to traditional 35% design to ensure valid scope and cost and executability.  D. Equipment associated with <b>this</b> project will be provided from	(4) Constr	uction Contract Award Date		02 <b>Oct</b>
<ul> <li>indicates completion of Project Definition with Parametric Cost         Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.     </li> <li>Equipment associated with this project will be provided from</li> </ul>	(5) Constru	uctron Start		02 <b>Dec</b>
Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.  5. Equipment associated with this project will be provided from	(6) Constr	uctron Completion		04 Mar
	Estimate w	which is comparable to traditional 35% design to ensure valid	1	
and after a contract of the co		· · ·		

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		= 1,					
1. COMPONENT FY 2003 MILITARY CONSTRUC					PROJECT DA	TA	2. DATE
AIR FORCE (computer generated)							
3. INSTALLATION	AND LO	CATION	4. PROJ	IECT TITLE	-		
BUCKLEY AIR FOR	RCE BASE	E, COLORADO		_		ERS/ADMINIS	TRATIVE
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7 P	FACILIT ROJECT		8 PROJECT	T COST (\$000)
						0. 11(0020)	, ,
35996		61 O-249		CRWU033	3002		10.800
		9. 005	I ESI	IMATES		UNIT	COST
	ı	TEM		U/M	QUANTITY	COST	(\$000)
WING HEADQUAR	TERS FA	CILITY		SM	4,560		8,482
WING HEADQUA	ARTERS/A	DMINISTRATION FACIL	.ITY	SM	4,560	1,843	(8,404
ANTITERRORISI	M/FORCE	PROTECTION		SM	4,560	18	(82
SUPPORTING FAC	CILITIES						1,334
UTILITIES				LS			(161
PAVEMENTS				LS			(203
SITE IMPROVEM	MENTS			LS			(837
ELEVATOR				EA	1	100.000	(100
COMMUNICATIO	NS SUPP	ORT		LS			(31
SUBTOTAL							9,818
CONTINGENCY (	5.0 %)						491
TOTAL CONTRACT COST							10.309
SUPERVISION, INSPECTION & OVERHEAD ( 5.7 %)							588
FOTAL REQUEST							10,897
TOTAL REQUEST	(ROUNDE	D)					10,800

IO. Description of Proposed Constructron: Construct two story structure with retnforced concrete foundation and loor slab, masonry walls, structural steel frame and a standing seam metal roof. Include utilities, parking, road access, site preparation, backup generator, pre-wiring for voice and local area networks, and low-level antiterrorism/force protectron measures.

Air Conditioning: 383 KW

11. REQUIREMENT: 4,746 SM ADEQUATE: 186 SM SUBSTANDARD: SM

PROJECT: Construct an Wing headquarters/administration facility. (New Mission)

REQUIREMENT: The Secretary of the Air Force and the Chief of Staff of the Air Force designated Air Force Space Command as installation host at Buckley AFB effective 1 October 2000. An active duty Air Base Wing will be stood-up to manage the diverse military activities at Buckley AFB and the greater Denver area. An adequate consolidated wing headquarters/administration facility required to house wing staff functrons to include a command Post, SCIF, Intelligence, Comptroller, Plans. Personnel, Public Affairs, History, Safety, Legal, and nspector General. Consolidated functrons include Staff Judge Advocate with courtroom, law library, and conference rooms.

<u>CURRENT SITUATION:</u> Additional manpower will be required to stand up the Air Base Wing at Buckley. An ndependent wing was activated in October 2001 and designated the 460th Air Base Wing. There are currently to adequate facilities available to support the additional personnel to be assigned. Numerous staff functions are urrently dislocated in several buildings on base including temporary modular buildings. There are no proper acilities for a courtroom, law library, Command Post, and SCIF for Intelligence.

WPACT IF NOT PROVIDED: The new Air Base Wing would have no Integrated. on-base presence at Buckley FB. To accommodate mission essential personnel on base, other personnel would need to be located in dditional modular facilities or placed in off-base, leased facilities. The Air Base Wing would not be able to ommunicate or coordinate effectively in dispersed locations. There would be an increase in operations and

1. COMPONENT		FY 2003 MILITARY CON	NSTRUCTION PROJECT DA	ιΤΑ	2. DATE
AIR FORCE		(compu	ter generated)		
B. INSTALLATION BUCKLEY AIR <b>FO</b> F	_		4. PROJECT TITLE WING HEADQUART FACILITY	ΓERS/ADMIN	ISTRATIVE
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJEC	CT COST (\$000)
35996		61 O-249	CRWU033002		10.800
naintenance expend nefficient manner.	itures due	to additional leased facil	lity costs and transportation	costs for ope	erating in an
scope is required for preliminary analysis upgrade/removal, ne satisfy statutory requ not performed. A C	the Law of reasons w construction with the construction of the con	Center as identified in the able options for accompli- ction, and lease was com- and meet operational cor	AF Handbook 32-1084, 'Far Force Base Legal Facility 'Air Force Base Legal Facility 'Air Force Base Legal Facility 'Air Force Base Civil Engineer: L. 49.083 SF.	ities Design status quo, only one op full economi	Guide.* A renovation, tion that will ic analysis was
			lission requirements, op compatible with use by		ponents.

1. COMPONENT	Ff 2003 MILITARY CONSTRUCTION PROJECT	DATA	2. DATE					
AIR FORCE	(computer generated)							
3. INSTALLATION A	ND LOCATION		•					
BUCKLEY AIR FOR	RCE <b>BASE</b> , COLORADO							
4. PROJECT TITLE								
WINGHEADQUARTE	ERS/ADMINISTRATIVE FACILITY	ı	RWU033002					
12. SUPPLEMEN	TAL DATA:	Design, Bi	d, Build					
a. Estimated	Design Data:	<b>3</b> /	,					
(1) Status:								
(a) Date	e Design <b>Started</b>		12-APR-01					
(b) Para	ametric Cost Estimates used to develop costs		YES					
. (c) Per	cent Complete as of Jan 02		15 <b>%</b>					
. (d) Date	e 35% Designed.		12-SEP-01					
(e) Date	e Design Complete		18-SEP-02					
(f) Ener	gy Study/Life-Cycle analysis was/will be performed		YES					
<b>(2)</b> Basis:								
(a) Star	ndard or Definitive Design -		NO					
(b) Whe	ere Design Was Most Recently Used -							
(3) Total Co	ost $(c) = (a) + (b)$ or $(d) + (e)$ :		(\$000)					
(a) Prod	ductron of Plans and Specifications		648					
(b) All C	Other Design Costs		324					
(c) Tota	ıl		972					
(d) Con	tract		810					
(e) In-h	ouse		162					
(4) Construc	ctron Contract Award Date		02 Nov					
(5) Construc	ctron Stan		03 Jan					
(6) Construc	ctron Completion		04 Sep					
Estimate wh	completion of Project Definition with Parametric Cost nich is comparable to traditional 35% design to ensure cost and executability.	valid						
b. Equipment asso o t h e r appropria	ciated with this project will be provided from ations: NA							

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1. COMPONENT	FY :	2003 MILITAR	Y CONS	STRUCTION	PROJECT	DATA	2. DATE					
AIR FORCE	1 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3											
3. INSTALLATION AND LOCATION 4. PROJECT TITLE												
CLASSIFIED	CLASSIFIED LOCATION C-17 VARIOUS FACILITIES (BASE Y)											
5. PROGRAM EL	5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000)											
41130	ļ I	171-212	1	AMC039	999	3	0,569					
9. COST ESTIMATES												
ITEM J/M QUANTITY COST (\$000)												
C-17 PLIGHTLIN	E OPERATIONS	FACILITIES		LS			17.466					

ITEM	J/M	QUANTITY	UNIT COST	COST (\$000)
C-17 PLIGHTLINE OPERATIONS FACILITIES	LS			17,466
C-17 <b>FLIGHT</b> SIMULATOR	SM	1,380	3,007	( 4,150)
AIRCRAFT PARTS STORE	SM	5,575	1,303	<b>(</b> 7,264 <b>)</b>
AERIAL DELIVERY	SM	3,103	1,892	(5,871)
ANTITERRORISM/FORCE PROTECTION	SM	10,058	18	( 181)
SUPPORTING FACILITIES				10,000
UTILITIES	LS			<b>(</b> 3,000)
ELECTRICAL	LS			<b>(</b> 5.000)
COMMUNICATIONS	LS			<b>(</b> 1.000)
PAVEMENTS/SITE IMPROVEMENTS	LS			( 1,000)
SUBTOTAL				27,466
CONTINGENCY ( 5.0 %)			1	1,373
TOTAL CONTRACT COST	1			28,839
SUPERVISION, INSPECTION AND OVERHEAD ( 6.0 %)				1,730
TOTAL REQUEST				30,569
TOTAL REQUEST (ROUNDED)				30,569
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				( 20,700.0)

10. Description of Proposed Construction: Construction of C-17 simulator facility and aerial delivery. Relocation of aircraft parts store located in footprint of construction. Major upgrade of electrical distribution system and any other work aeeociated with this project. Includes antiterriorism/force protection physical security IAW DoD minimum construction standards.

#### 1.1. REQUIREMENT: ADEQUATE: SUBSTANDARD:

PROJECT: Constructs new C-17 flight simulator and aerial delivery, relocates facility in the footprint, and upgrades electrical distribution (Nw Mission)

REQUIREMENT: Construction of a flight simulator training facility to support C-17

beddown located at Base Y. An adequate facility, properly sized and configured for a C-17 simulator system and its associated equipment is required. Constructs an aerial delivery to support C-17 aircraft beddown requirements. Relocates aircraft parts store in the footprint of the C-17 beddown. A major electrical distribution system upgrade is required to support facilities beddown.

CURRENT SITUATION: There is not an existing facility that cab be retrofitted for the C-17 simulator or the aerial delivery function. C-17 simulators at Altus, Charleston, and McChord are fully utilized and cannot economically support simulator training requirements for the aircrws at Baee Y. An aerial delivery function is required to also support the C-17 requirement. The current electrical distribution will not support C-17 facility beddown requirement without electrical upgrade. Parts store located in the footprint of construction must be relocated to accommodate C-17 aircraft beddown construction or beddown cannot be accomplished.

EMPACT IF NOT PROVIDED: The C-17 aircraft delivery schedule will not be supportable at gaining bases. The beddown and safe operation of the C-17 could not be accomplished without providing required flight eimulator training and aerial delivery facilities. Emergency training would need to be accomplished at another location,

1. COMPONENT	FY 2003 MILITARY	CONSTRUCTION	PROJECT DATA 2 . DATE								
AIR FORCE	(computer generated)										
3. INSTALLATION AND LOCATION 4. PROJECT TITLE											
CLASSIFIED 1	LOCATION	C-17 VARIOUS	FACILITIES (BASE Y)								
5. PROGRAM ELEME	LEMENT 6. CATEGORY COW 7. PROJECT NUMBER 8. PROJECT COST (\$000)										
41130	41130 171-212 <b>AMC039999</b> 30,569										

incurring additional TDY COSTS and a negative impact on aircrew availability due to rews in transit for training. Without the upgrade of the electrical power listribution system, the flight simulator, maintenance hangars and other support facilities will not have reliable end 8afe power to perform training and maintenance perations. Without relocation of facility in the footprint, beddown cannot take place.

iandbook 1190. 'Facility Planning and Design Guide.' However, this project does the criteria/scope specified in Air Force Handbook 32-1084 'Facility Requirements'. A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction, leasing) was requirements. Because of this, a full economic analysis will not be performed. A sertificate of exception will be prepared. BASE CIVIL ENGINEER:

JOINT USE CERTIFICATION: Mission requirements, operational Considerations and location are incompatible with use by other components.

1 COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2 DATE
AIR FORCE	(computer generated)	
3. INSTALLATION		·
CLASSIFIED	LOCATION	
4. PROJECT TITLE		5 PROJECT NUMBER
C-17 VARIOUS FA	CILITIES (BASE Y)	AMC039999
12 SUPPLEMEN	NTAL DATA	esign Build
a Estimated	Design Data	
(1) Project	to be accomplished by design-build procedures	
(2) Basis		
(a) St	andard or Definitive Design -	NO
(b) W	nere Design Was Most Recently Used -	

b Equipment associated with this project will be provided from other appropriations

(7) Energy Study/Life-Cycle analysis was/will be performed

(3) Design Allowance

(5) Construction Start

(6) Construction Completion

(4) Construction Contract Award Date

		FISCAL YEAR	
EQUIPMENT	PROCURING	APPROPRIATED	COST
NOMENCLATURE	APPROPRIATION	OR REQUESTED	(\$000)
SIMULATOR EQUIPMENT	3010	2005	15900
FURNITURE	3080	2005	1000
MMHS EQUIPMENT	3080	2005	3000
EQUIPMENT/FURNITURE MOVING	3080	2005	800

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824

02 Dec

03 Feb

04 Dec

YES

1. COMPONENT AIR FORCE	N 2 0	03		RY CONS ter gene		N PRO	OGRAM		2. DATI	E
3. INSTALLATION AND LOCATION 4. COMMAND 5. AREA CONST									CONST	
HURLBURT FIELD, FLORIDA AIR FORCE SPECIAL OPERATIONS								COST	INDEX	
				COMMA	ND					0.82
6. PERSONNEL	PER	MANENT	•		STUDE	NTS		SUPP	ORTED	
STRENGTH	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 Sep 01	1,163	5,724	861		23		617	549	73	9.010
b. End FY 2005	1.151	5.443	848		22		617	549	73	8.703
			7. IN	NVENTORY	/ DATA \$	(000)				
a. Total Acreage		6,634	ļ							
b. Inventory Totals	as of: 30	Sep 01							274,272	
c. Authorization No	ot Yet In In	ventory.							31.390	
d. Authorization Re									9.000	
e. Authorization In		•	•	n: (FY200	4)				0	
f. Planned in Next	_	am Years	:						52.005	
g. Remaining Defic	iency:							_	0	-
h. Grand Total:									366,667	
8. Projects Request	ed in this	Program:	FY2003					COST	DESIGN	STATUS
CATEGORY CODE PR	OJECT TI	TLE			SC	OPE			START	CMP
	tory (144 F					144	RM	\$9,000	APR 01	AUG 02
721 012 301111	(	,					Total	\$9,000	_	
9a. Future Projects:	Included 10	the Follo	owing Pi	rogram: (F	Y2004)	N	lo Projects			
9b. Future Projects:							10 1 10,000			
1	SF Ops	i iai ii ica i	VCXL 1 Out	icais		1.168	SM	\$1,591		
	lv Sk Trng					4.703		\$6,900		
	HS Vehicle	e Mainten	ance Fa	cility		3.000	SM	\$5,800		
	TIG Syste			•		6.950	SM	\$13,890		
	) Dps Admin			•		966	SM	\$1,742		
721-312 Dorm	(144RM)					4.752	SM	\$8.700		
730-I 42 Fire S	tation					1.700	SM	\$5,522		
842-245 Imp V	Vater Sys					3,650	LM	\$3,673		
851-147 Realig	n Roads					1	LS	\$4,277		
9c. Real Property N	/laintenance	Backloa	This Ins	stallation					36	
10. Mission or Majo with AC-130/MC-13 special tactics group and the Air Force C	or Function 0/MH-53/N o; Air Force	s: Headqı IH-60/UH e Comma	uarters A -1 specia nd and (	ir Force S al operation	ns squadr	ons; Ai	ir Force S	pecial Op	erations So	chool; a
11. Outstanding po				iciencies:						
a. Air pollution									0	
b. Water pollution	on								0	
c. Occupational	Safety and	d Health							0	
d. Other Enviror	nmental								0	

1. COMPONENT		FY 2003 MILITARY CON	ISTRU	CTION I	PROJECT DAT	Α	2. DATE
AIR FORCE							
3. INSTALLATION A	ND LOC	CATION	1.	4. PROJ	ECT TITLE		
HURLBURT FIELD,	FLORIDA	A	]	DORMIT	ORY ( 144 RM	)	
5. PROGRAM ELEM	1ENT	6. CATEGORY CODE	7. PF	ROJECT	NUMBER 8	B. PROJECT	COST (\$000)
27596		721-312	FI	EV003	013A		9.000
		9. COS	T ESTIN	//ATES	L		
	ı	TEM		U/M	QUANTITY	UNIT COST	(\$000)
DORMITORY (144 R	M)			RM	144		6.558
DORMITORY				SM	4.752	1.366	(6,491
ANTITERRORISM	FORCE	PROTECTION		SM	4.752	14	(67
SUPPORTING FACI	LITIES						1,550
UTILITIES				LS			(650
PAVEMENTS				LS			(450
SITE IMPROVEME				LS			(350
COMMUNICATION	S			LS			(100
SUBTOTAL							8.108
CONTINGENCY ( 5	5.0%)						405
TOTAL CONTRACT	COST						8.513
SUPERVISION, INSPECTION & OVERHEAD ( 5.7 %)							485
TOTAL REQUEST							8,998
TOTAL REQUEST (F	ROUNDE	D)					9,000

10. Description of Proposed Construction: A three-story facility with reinforced concrete foundation and floor slabs, masonry walls and sloping metal roof. Includes room-bath-room modules, kitchens, laundries, storage and lounge areas, utilities, parking and all other supporting facilities. Complies with DoD interim minimum force protection construction standard.

4ir Conditioning: 360 KW Grade Mix: 144 El -E4.

11. REQUIREMENT: 1.719 RM ADEQUATE: 1,128 RM SUBSTANDARD. RM

PROJECT: Construct a dormitory. (Current Mission)

REQUIREMENT: A major Air Force objective provides unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The retention of these highly trained airmen is essential to our readiness posture and continuing world-wide presence. Complies with DoD interim minimum force protectron construction standard.

<u>ICURRENT SITUATION:</u> The base has insufficient on-base housing to accommodate the unaccompanied enlisted personnel. This project is in accordance with the Air Force Dormitory Master Plan.

IMPACT IF NOT PROVIDED: Adequate living quarters which provide a level of privacy required for today's airmen will not be available, resulting in degradation of morale, productivity, and career satisfaction for Unaccompanied enlisted personnel.

<u>ADDITIONAL</u>: This project meets the criteria/scope specified in the new uniform barracks standard, known as "one-plus-one,' established by OSD. All known alternatives were considered during the development of this project. No other option could meet the mission requirements. Therefore, no economic analysis was needed or performed. FY2000 Unaccompanied Housing RPM conducted: \$60K. FY2001 Unaccompanied Housing RPM conducted: \$66K. Future Unaccompanied Housing RPM requirements (estimated): FY 02 (\$70K); FY03 (\$75K);

1. COMPONENT		FY 2003 MILITA	HY CONSTR	RUCTION PROJECT DA	ATA	2. DATE			
AIR FORCE									
3. INSTALLATION				4. PROJECT TITLE					
HURLBURT FIELD	, FLORIDA	1		DORMITORY (144 R	M)				
5. PROGRAM ELE	MENT	6. CATEGORY	CODE 7.	PROJECT NUMBER	8. PROJEC	CT COST (\$000)			
27596		721-312		FTEV003013A		9.000			
FY04 <b>(\$80K</b> ). Base	e Civil <b>Eng</b>	gineer: Lt Col Ri	chard Parker	(650) 884-7701. Dorm	itory: 4,742 S	$M \simeq 51,132 \text{ SF}.$			
IOIN	L LISE C	ERTIFICATI	ON: Micci	on requirements, op	nerational				
				on requirements, of patible with use by		oonents.			
Consid		1000001							

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION	AND LOCATION	
HURLBURT FIELD	, FLORIDA	
4. PROJECT TITLE		5. PROJECT <b>NUMBE</b> I
DORMITORY (144 F	RM)	FTEV003013A
12.: SUPPLEME	NTAL DATA: Design	gn, Bid, Build
a. Estimated	Design Data:	
(1) Status		
, ,	ite D <b>es</b> ign Started	15-APR-01
, ,	rametric Cost Estimates used to develop costs	YES
	rcent Complete as of Jan 02	15 %
, ,	te 35% Designed.	01 -OCT-01
, ,	te Design Complete	15-AUG-02
, ,	ergy Study/Life-Cycle analysis was/will be performed	YES
(2) Basis:	.g,,	
(a) Sta	andard or Definitive Design -	YES
(b) Wh	nere Design Was Most Recently Used -	HURLBURT
(3) Total C	Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(a) Pro	duction of Plans and Specifications	360
(b) All	Other Design Costs	180
(c) Tot	al	540
(d) Co	ntract	450
(e) In-	nouse	90
(4) Constru	uction Contract Award Date	02 Nov
(5) Constru	uction Stan	03 Jan
(6) Constru	uction Completion	04 Jul
Estimate w	completion of Project <b>Definition</b> with Parametric Cost hich is comparable to <b>traditional</b> 35% <b>design</b> to ensure valid cost and executability.	
i. Equipment asso other appropria	ociated with this project will be provided from tions: NA	

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1. COMPONENT AIR FORCE	FY2	FY2003 MILITARY CONSTRUCTION PROGRAM 2. DATE (computer generated)							Ξ	
3. INSTALLATION A	3. INSTALLATION AND LOCATION 4. COMMAND 5. AREA CONST									CONST
BARKSDALE AIR FORCE BASE, AIR COMBAT COMMAND								COST	INDEX	
LOUISIANA	-								0.8	36
6. PERSONNEL	PER	MANENT			STUDE	NTS		SUPP	ORTED	
STRENGTH	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 Sep 01	815	4,769	1,296				51	73	159	7,163
b. End FY 2005	820	4,938	1.265				51	73	159	7,306
			7. II	NVENTOR'	Y DATA \$	(000)	•			
a. Total Acreage		22,361								
b. Inventory Totals a	as of: 30 :	Sep 01							353,556	
c. Authorization Not	Yet In Inv	entory:							29,357	
d. Authorization Req	juested In	this Prog	gram:						10,900	
e. Authorization Incl		•	•	n: <b>(FY200</b> -	4)				0	
f. Planned in Next Fo	•	am Years	:						45.500	
g. Remaining Deficie	ency:							_	109,100	
h. Grand Total:									546415	
3. Projects Requeste	ed in this	Program:	FY2003					COST	DECION	CTATUC
CATEGORY PRO	DJECT TI	TIE			80	OPE			DESIGN : START	CMP
	ory (168 F				30	_	RM			N KEY
721-312 Dominic	JIY (100 F	XIVI)				100		\$10,900 \$10,900		NNET
							TOtal	Ψ10,900		
a. Future Projects: I	ncluded i	n the Foll	owing P	rogram: (F	-Y2004)	Ν	lo Projec	ts		
b. Future Projects: 1	,,			Years	_			<b>*</b> . • • • • •		
•	Aircraft F	•				7.916	_	\$12.000		
<u> </u>	ns Load (		ning Fac	cility	ĺ	11,427		\$23,500		
721-312 Dormito	ory (168 F	RM)				168	RM	\$10,000		
c. Real Property Ma	aintenance	Backlog	This Ins	stallation					108	
0. Mission or Major										
vhich is responsible f ircraft.	or training	g B-52 co	mbat cre	ws; an Air	Force Re	eserve	wing <b>with</b>	A-10, AO	-10, and B-	52
Outstanding pollu	ition and	safety (OS	SHA) def	iciencies:						
a. Air pollution									0	
b. Water pollution	า								0	
c. Occupational S	Safety and	l Health							0	
d. Other Environmental 0										

1. COMPONENT		FY 2003 MILITARY CO	NS	STRUCT	ION I	PROJECT DAT	ГА	2. DATE			
AIR FORCE		(comp	ute	er gene	rated)						
3. INSTALLATION A BARKSDALE AIR FO				1	4. PROJECT TITLE DORMITORY (168 RM)						
5. PROGRAM ELEM	ENT	6. CATEGORY CODE	7	7. PRO	JECT	NUMBER	8. PROJEC	T COST (\$000)			
27596		721-312		AWI	/UB043000 10.900						
		9 COS	ST	ESTIMA	TES	Į.					
	I	TEM		U/M	QUANTITY	UNIT COST	COST (\$000)				
DORMITORY (168 RM)						168		7.850			
DORMITORY						5.544	1.402	(7,773			
ANTITERRORISM	FORCE	PROTECTION			SM	5.544	14	(78			
'SUPPORTING FACILITIES UTILITIES								1.925 (750			
PAVEMENTS					LS			(500			
SITE IMPROVEME	_				LS			(300			
COMMUNICATIONS ENVIRONMENTAL		AFAIT			LS			(125			
	ADATE	VIEIN I			LS			(250			
SUBTOTAL	0.9/\							9.775			
CONTINGENCY ( 5.0	•							489			
TOTAL CONTRACT OF SUPERVISION, INSP		8 OVERHEAD ( 6 %)						10.264			
TOTAL REQUEST		,						10,880			
TOTAL REQUEST (R	OUNDE	D)						10.900			
·											
<u> </u> _											

10. Description of Proposed Constructron: Reinforced concrete foundation and floor slabs, Insulated maintenance-free exterior masonry walls, sound attenuation, and sloped roofs. Included lounge areas, laundries, room-bath-kitchen-room modules, storage, exterior site work, communication requirements, fire protection systems, and all supporting facilities. Work Includes parking, recreation areas, and demolition of a segment of Douhet Drive

Air Conditioning 250 KW Grade Mix 168 El-E4

II. REQUIREMENT- 1.396 RM ADEQUATE, 660 RM SUBSTANDARD. 216 RM

PROJECT Construct a Dormitory (Current Mission)

REQUIREMENT A major Air Force objective provides unaccompanied enliisted personnel with housing conducive to their proper rest. relaxation, and personal well-berng. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and Important fobs these people must perform. The retention of these highly trained airmen is essential to our readiness posture and continuing world-wide presence. Compiles with DoD interim minimum force protectron construction standard.

<u>CURRENT SITUATION</u> The base has insufficient on-base housing to accommodate the unaccompanied enlisted personnel. This project is in accordance with the Air Force Dormitory Master Plan

IMPACT IF NOT PROVIDED- Adequate living quarters which provide a level of privacy required for today's airmen will not be available, resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel

<u>a DDITIONAL</u>: This project meets the criteria/scope specified in the new uniform barracks standard, known as "one-plus-one." established by OSD All known alternatives were considered during the development of this project. No other option could meet the mission requirements. Therefore, no economic analysis was needed or

1. COMPONENT	1	FY 2003 MILITARY CON	NIA	2. DATE					
AIR FORCE		(computer generated)							
3. INSTALLATION	AND LOC	CATION		4. PROJECT TITLE					
BARKSDALE AIR	BARKSDALE AIR FORCE BASE, LOUISIANA DORMITORY (168 RM)								
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7. P	ROJECT NUMBER	8. PROJEC	CT COST (\$000)			
27596		721-312	,	AWUB043000	10.900				
(   5)(00				64 000K EV04 H					

performed. FYOO Unaccompanied Housing RPM Conducted: \$4,892K; FY01 Unaccompanied Housing RPM Conducted: \$3,632K. Future Unaccompanied Housing RPM requirements (estimated): FY02: \$2,724K; FY03: \$2,300K; FY04: \$2,500K. Base Civil Engineer: Lt Col Robert Fant. (318) 456-4856. Dormitory: 5,544 SM = 59,653 SF. Design Build - Design Build Cost (4% of Subtotal Cost): \$395,000.

JOINT USE CERTIFICATION: Mission requirements, operational Considerations and location are incompatible with use by other components.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT	DATA 2. DATE
AIRFORCE	(computer generated)	
3. INSTALLATION		
	FORCE BASE. LOUISIANA	5 DD0 I507 NUMBE
PROJECT TITLE	DMA)	5. PROJECT NUMBE
ORMITORY (168 I	XIVI)	AWUB043000
12. SUPPLEMEN	NTAL DATA:	Design Build
a. Estimate	Design Data	
(1) Project	to be accomplished by design-build procedures	
<b>(2)</b> Basis:		
(a) Sta	andard or Definitive Design -	NC
(b) Wh	nere Design Was Most Recently Used -	
(3) Design	Allowance	296
(4) Constr	uction Contract Award Date	<b>02</b> Oc
(5) Constr	uction Start	02 Dec
(6) Constr	uction Completron	04 <b>Dec</b>
(7) Energy	Study/Life-Cyde analysis was/will be performed	YES

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COMPONENT										
1. COMPONENT AIR FORCE	FY20	)U3	_	RY CONS Iter gener		ON PR	OGRAM		2. DATI	E
3.INSTALLATIONAL	NDLOCA	TION		4. COMA	MAND					A CONST
HANSCOM AIR FO	RCE BAS	SE,		AIR FORCE MATERIEL COMMAND					COST	INDEX
MASSACHUSETTS	8									1.12
6. PERSONNEL	PER	MANEN	Т		STUDE	NTS		SUPP	ORTED	
STRENGTH	OFF	ENL	Clv	off	ENL	ÇIV	OFF	ENL	CIV	TOTAL
a. As of 30 Sep 00	644	808	3.610				388	823	81	6.352
b. End FY 2005	<b>83</b> 3	614	3.572				388	823	81	6.311
7. INVENTORY DATA <b>\$(000</b> )										
a, Total Acreage:		848	3							
b. Inventory Totals as	s of: <b>30</b> \$	Sep <b>00</b>							252,483	
c. Authorization Not	et In Inve	entory:							36.610	
d. Authonzation Requ		•							7.700	
e. Authorization Inclu		•	•	(FY200-	4)				0	
f. Planned in Next Fo	•	m Years:							28.300	
g. Remaining Deficiency: 116.700										
h. Grand Total: 441.793										
8. Projects Requested in this Program: FY2003  CATEGORY  COST DESIGN STATUS										
CATEGORY CODE PRO	JECT TIT	ΓLE			SC	OPE		•••	START	CMP
0002	And After		Center			3.645	SM	\$7,700		N KEY
							Total	\$7,700	_	
9a. Future Projects: Ir	ncluded In	the Follo	owina Pro	ogram: (F	Y2004)	N	o Projects			
9b. Future Projects: T							,			
·				rounds Fa	С	2.210	SM	\$3,900		ĺ
•	te Acquisi	•				5.900	SM	\$12,400		Í
317-315 Renova	ite Acquis	ition <b>Mgt</b>	Fac B16	00		5,623	SM S	12,000		
Qc. Real Property Ma	intenance	Backlog	This inst	allation					26	7
10. Mission or Major F					nter <b>prov</b>	des the	e latest in c	ommand	and contro	ol and
nformation systems for	r various	weapons	platform	s including	g the E-3	AWAC:	S and E-8	Joint STA	RS: an Air	Force
Research Laboratory nnd an aerial port squa		site locati	on for the	e space ve	ehicles dir	ectorat	e; an air <b>b</b> a	ise wing;	a recruiting	group;
11. Outstanding polluti		afety (OS	HA) defic	iencies:						_
a. Air pollutron		, (00	, ==	<del></del>					0	
b. Water <b>pollution</b>									0	
c. Occupational Sa	afety and	Health							0	
d. Other Environm	•									
u. Ouidi LiiviiOliii	ιστιαί								0	

1. COMPONENT		FY 2003 MILITARY CON	STR	RUCTION PROJECT DATA 2. DATE						
AIR FORCE		(comput	er g	enerated)						
3. INSTALLATION HANSCOM AIR FO		CATION SE, MASSACHUSETTS		4. PROJECT TITLE ADD TO AND ALTER FITNESS CENTER						
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7 P	ROJECT	NUMBER	8 PROJECT	CT COST (\$000)			
72806		740-674		MXRD923	03 1		7.700			
		9 COST	EST	IMATES	·	T	<u></u>			
_	ı	TEM		U/M	QUANTITY	UNIT COST	COST ( <b>\$</b> 000)			
ADD TO AND ALTE	ER FITNES	SS CENTER		SM	3.845		5,497			
ADDITION			SM	2.486	1.800	(4.47 5)				
ALTERATIONS			SM	1.109	800	(887)				
COVERED WAL	KWAY			SM	250	400	(100)			
ANTITERRORISM	1 FORCE	PROTECTION		SM	3.845	9	(35)			
SUPPORTING FAC	_	ORT		LS			1.16'0 (100)			
UTILITIES				LS			(400)			
PAVEMENTS				LS			(320)			
SITE IMPROVEM	MENTS/SPE	ECIAL FOUNDATIONS		LS			(200)			
ASBESTOSABAT	TEMENT			LS			(140)			
SUBTOTAL							6.65:7			
CONTINGENCY (	5.0 %)						33:3			
TOTAL CONTRACT	COST						6,989			
SUPERVISION. INS	PECTION	8 OVERHEAD ( 5 7 %)					3923			
TOTAL REQUEST							7,388			
TOTAL REQUEST	(ROUNDEI	D)					7.700			

10. Description of Proposed Construction: Single story addition to the fitness center. Includes a multi-use fitness court, exercise room, locker room, storage area and covered walkway. Also Includes modifications to the existing plumbing and HVAC systems, fire alarm systems, and all other necessary support. Complies with DoD Interim minimum force protection construction standard.

Air Conditioning 250 KW

11. REQUIREMENT. 4,798 SM ADEOUATE. 953 SM SUBSTANDARD 1,109 SM

PROJECT Add lo and alter fitness center (Current Mission)

<u>REQUIREMENT:</u> An adequately sized and fully configured fitness center is required to support combat readiness and Improve the physical fitness of active duty and reserve military personnel at Hanscom AFB Adequate sports courts, lockers and fitness areas are required to support the minimum requirements for the more than 3.000 military personnel on base. Complies with DoD interim minimum force protectron constructron standard.

<u>CURRENT SITUATION.</u> The existing facility is too small to accommodate the customer demand and the program diversity expected by the Air Force community. The existing multi-use fitness court cannot meet simultaneous demands for volleyball, badminton, basketball, aerobics, and indoor running. Scheduling conflicts limit such programs as aerobics, exercise/sports classes and limits league play. These problems are acute at all peak use times, making it impossible to run concurrent aerobics and basketball programs. The Fitness Center is open over 100 hours a week. Customer demand for the services provided by this 40 year old facility is strong. The aerobics program holds 12 classes a week with an average participation of 400 people. Currently, 75 people are on the waiting list for a locker and unit requests for physical fitness activities are repeatedly turned down because of overcrowding. During peak use periods, a 30 minute wait for cardio-vascular equipment is the

1. COMPONENT		FY 2003 MILITAI	SY COI	NSTR	UCTION	PROJECT DA	ATA	2. DATE	
AIR FORCE			(compu	ter g	enerated)				
3. INSTALLATION	<b>∌ND</b> LOC	CATION	4. PROJECT TITLE						
HANSCOM AIR FO	RCE BASE	E, MASSACHUSE	ADD TO AND ALTER FITNESS CENTER						
5. PROGRAM ELE	MENT	6. CATEGORY	CODE	7. P	ROJECT	NUMBER	8. PROJEC	T COST (\$	000)
72806 740-674 N					MXRD923	03 <b>1</b>		7,700	

standard. Customer demand for this type of equrpment far exceeds availability. Due to the lack of space, equrpment purchases have been delayed. The center is unable to add additional equrpment or update existing equipment with modern and larger machines.

<u>IIMPACT IF NOT PROVIDED:</u> Military members will be <u>limited in their ability</u> to maintain physical conditioning and <u>fitness</u>. Morale and mission readiness could be negatively impacted.

ADDITIONAL: This project meets the critenakcope specified in the USAF Fitness Facilities Design Guide, October 1999. All known alternative options were considered during the development of this project. No other option could meet the mission requirements therefore, no economic analysis was needed or performed. A request for waiver to an economic analysis has been submitted. Base Civil Engineer: Lt Col Thomas J. Schluckebier, (781) 377-3526. Addition: 2,486 SM = 26.749 SF; Alteration: 1,109 SM = 11,933 SF. Design 3uild - Design Build Cost (446 of Subtotal Cost): \$266.000.

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 equipment.

(computer generated)	
AND LOCATION	
RCE BASE, MASSACHUSETTS	3
	5. PROJECT NUMBER
R FITNESS CENTER	MXRD923031
NTAL DATA: D	esign Build
d Design Data:	
et to be accomplished by design-build procedures	
, , ,	
	NO
here D <b>es</b> ign Was Most Recently Used -	
n Allowance	200
uctron Contract Award Date	02 <b>Oct</b>
ructron Start	02 <b>Dec</b>
ruction Completion	04 Jun
•	YES
	AND LOCATION  RCE BASE, MASSACHUSETTS  ER FITNESS CENTER  NTAL DATA: Design Data:  In the design Data:  In Allowance  Fruction Contract Award Date  Fruction Completion  In Study/Life-Cycle analysis was/will be performed  In Study/Life-Cycle analysis was/will be provided from

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3. INSTALLATION AND LOCATION   4. COMMAND   5. AREA COL	1. COMPONENT AIR FORCE	FY2	003		RY CONS		ON PRO	OGRAM		2. DATE	<u> </u>
6. PERSONNEL STRENGTH	3. INSTALLATION	AND LOC	ATION	(00pu		,					
STRENGTH	KEESLER AIR FO	RCE BAS	E, MISSI	SSIPPI	_		AND T	RAINING			
a. As of 30 Sep 01 860 3.226 2,740 450 2.909 78 1.680 84 12 b. End FY 2005 847 2.763 2,739 439 2.819 78 1.680 84 11  7. INVENTORY DATA \$(000)  a. Total Acreage 1.611 b. Inventory Totals as of: 30 Sep 01 388.669 c. Authonization Not Yet In Inventory: 154.055 d. Authorization Requested In this Program: 22.000 e. Authonization Included In Following Program: (FY2004) 0 f. Planned in Next Four Program Years: 247.706 g. Remaining Deficiency: 247.706 h. Grand Total: 842.630  8. Projects Requested in this Program. FY2003  CATEGORY  COST DESIGN STAT  CODE PROJECT TITLE SCOPE (000) START C  721-312 Student Dormitory (200 RM) 200 RM \$22,000 JUL 01 AU  Total \$22.000  9a. Future Projects: Included in the Following Program: (FY2004) No Projects  9b. Future Projects: Typically Planned Next Four Years 721-312 Dormitory (200 RM) 200 RM \$9,200  730-1 42 Replace Fire / Crash Rescue Station 4.186 SM \$9,200  740-884 Child Development Center 1.303 SM \$2,700  9c. Real Property Maintenance Backlog This Installation 69  10. Mission or Major Functions: Headquarters Second Air Force; a training wing responsible for communicative electronics, and administrative courses and a C-12/C-21 airlift squadron responsible for aircrew training; an Air Force Materiel Command engineering installation group; an Air Force Reserve airlift wing with one C-130 airlift squadron and one WC-130 weather reconnaissance squadron; and a major Air Force medical center.  11. Outstanding pollution and safety (OSHA) deficiencies: a. Air pollutron	6. PERSONNEL	PER	RMANENT			STUDE	NTS		SUPP	ORTED	
b. End FY 2005 847 2.763 2.739 439 2.819 78 1.680 84 11  7. INVENTORY DATA \$(000)  a. Total Acreage 1.611  b. Inventory Totals as of: 30 Sep 01 388.669 c. Authorization Requested in this Program: (FY2004) 154.055 d. Authorization Requested in this Program: (FY2004) 0 f. Planned in Next Four Program Years: 30,200 g. Remaining Deficiency: 247.706 h. Grand Total: 842.630  8. Projects Requested in this Program. FY2003  CATEGORY  COST DESIGN STAT  CODE PROJECT TITLE SCOPE \$(000) S T A R T C T C C S T C C S T C C C S T C C C S T C C C S T C C C S T C C C S T C C C S T C C C S T C C C C	STRENGTH	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
7. INVENTORY DATA \$(000)  a. Total Acreage 1.611 b. Inventory Totals as of: 30 Sep 01 388.669 c. Authonizatron Not Yet In Inventory: 154.055 d. Authorization Requested In this Program: 22.000 e. Authonizatron Included In Following Program: (FY2004) 0 f. Planned in Next Four Program Years: 30,200 g. Remaining Deficiency: 247.706 h. Grand Total: 842.630  8. Projects Requested in this Program. FY2003 CATEGORY CODE PROJECT TITLE SCOPE \$(000) START CODE START CODE PROJECT TITLE SCOPE \$(000) START CODE	a. As of 30 Sep 01	860	3.226	2,740	450	2.909		78	1.680	84	12.027
a. Total Acreage 1.611 b. Inventory Totals as of: 30 Sep 01 c. Authonzatron Not Yet In Inventory: 154.055 d. Authorization Requested In this Program: 22.000 e. Authonzatron Included In Following Program: (FY2004) 0 f. Planned in Next Four Program Years: 30,200 g. Remaining Deficiency: 247.706 h. Grand Total: 247.706 h. Grand Total: 247.706 842.630  8. Projects Requested in this Program. FY2003 CATEGORY CODE PROJECT TITLE SCOPE \$(000) START CODE PROJECT TITLE SCOPE \$(000) START CODE PROJECT TITLE SCOPE \$(000) START CODE START CODE Student Dormitory (200 RM) 200 RM \$22,000 JUL 01 AU Total \$22.000  9a. Future Projects: Included in the Following Program: (FY2004) No Projects  9b. Future Projects: Typically Planned Next Four Years 721-312 Dormitory (200 RM) 2 0 0 RM \$18.300 730-142 Replace Fire / Crash Rescue Station 4.186 SM \$9,200 740-884 Child Development Center 1.303 SM \$2,700  9c. Real Property Maintenance Backlog This Installation 4.186 SM \$9,200 740-884 Child Development Center 1.303 SM \$2,700  9c. Real Property Maintenance Backlog This Installation Group; an Air Force Reserve airlift wing with one C-130 airlift squadron and one WC-130 weather reconnaissance squadron; and a major Air Force medical center.  11. Outstanding pollution and safety (OSHA) deficiencies: a. Air pollutron 40	b. End FY 2005	847	2.763	2,739	439	2.819		78	1.680	84	11.449
b. Inventory Totals as of: 30 Sep 01 c. Authonzatron Not Yet In Inventory: d. Authorization Requested In this Program: e. Authonzatron Included In Following Program: (FY2004) f. Planned in Next Four Program Years: g. 30,200 g. Remaining Deficiency: h. Grand Total: 8. Projects Requested in this Program. FY2003 CATEGORY CODE PROJECT TITLE SCOPE \$(000) START CODE 721-312 Student Dormitory (200 RM) 200 RM \$22,000 JUL 01 AU Total \$22.000  9a. Future Projects: Included in the Following Program: (FY2004) No Projects 9b. Future Projects: Typically Planned Next Four Years 721-312 Dormitory (200 RM) 200 RM \$18.300 730-1 42 Replace Fire / Crash Rescue Station 4.186 SM \$9,200 740-884 Child Development Center 1.303 SM \$2,700  9c. Real Property Maintenance Backlog This Installation 69 10. Mission or Major Functions: Headquarters Second Air Force; a training wing responsible for communicative electronics. and administrative courses and a C-12/C-21 airlift squadron responsible for aircrew training; an Air Force Materiel Command engineering installation group; an Air Force Reserve airlift wing with one C-130 airlift squadron and one WC-130 weather reconnaissance squadron; and a major Air Force medical center.  1. Outstanding pollution and safety (OSHA) deficiencies: a. Air pollutron 40	7. INVENTORY DATA \$(000)										
c. Authonzatron Not Yet In Inventory: d. Authorization Requested In this Program: e. Authonzatron Included In Following Program: (FY2004) f. Planned in Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 8. Projects Requested in this Program. FY2003 CATEGORY CODE PROJECT TITLE SCOPE S(000) START CODE 721-312 Student Dormitory (200 RM) Student Dormitory (200 RM) Student Projects: Included in the Following Program: (FY2004) Description: 9b. Future Projects: Typically Planned Next Four Years 721-312 Dormitory (200 RM) Subject Student Dormitory (200 RM) Subject Student Dormitory (200 RM) Subject Student Projects: Typically Planned Next Four Years 721-312 Dormitory (200 RM) Subject Student Dormitor	a. Total Acreage		1.611								
d. Authorization Requested In this Program: e. Authonzatron Included In Following Program: (FY2004) f. Planned in Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 8. Projects Requested in this Program. FY2003 CATEGORY CODE PROJECT TITLE SCOPE SCOP	b. Inventory Totals a	as of: 30	Sep 01							388.669	
e. Authonzatron Included In Following Program: (FY2004)  f. Planned in Next Four Program Years: g. Remaining Deficiency: h. Grand Total:  8. Projects Requested in this Program. FY2003  CATEGORY CODE PROJECT TITLE SCOPE \$(000) START COTAIL Student Dormitory (200 RM)  9a. Future Projects: Included in the Following Program: (FY2004)  Pb. Future Projects: Typically Planned Next Four Years 721-312 Dormitory (200 RM)  9b. Future Projects: Typically Planned Next Four Years 721-312 Dormitory (200 RM)  9c. Real Property Maintenance Backlog This Installation  9c. Real Property Maintenance Backlog This Installation  10. Mission or Major Functions: Headquarters Second Air Force; a training wing responsible for communicative electronics, and administrative course and a C-12/C-21 airlift squadron responsible for aircrew training; an Air Force Materiel Command engineering installation group; an Air Force Reserve airlift wing with one C-130 airlift squadron and one WC-130 weather reconnaissance squadron; and a major Air Force medical center.  1. Outstanding pollution and safety (OSHA) deficiencies: a. Air pollutron  40	• · · · · · · · · · · · · · · · · · · ·										
f. Planned in Next Four Program Years: g. Remaining Deficiency: h. Grand Total:  8. Projects Requested in this Program. FY2003  CATEGORY CODE PROJECT TITLE SCOPE \$(000) START CODE Total \$22,000 JUL 01 AU JUL		•		•						22.000	
g. Remaining Deficiency: h. Grand Total:  8. Projects Requested in this Program. FY2003  CATEGORY  CODE  PROJECT TITLE  SCOPE  SCOPE  S(000) START  COST DESIGN START  CODE  721-312  Student Dormitory (200 RM)  Pojects:  Student Dormitory (200 RM)  Pojects:  Student Projects: Included in the Following Program: (FY2004)  Pa. Future Projects: Typically Planned Next Four Years  721-312  Dormitory (200 RM)  Subject Projects: Typically Planned Next Four Years  721-312  Dormitory (200 RM)  Subject Projects: Typically Planned Next Four Years  721-312  Dormitory (200 RM)  Subject Projects: Typically Planned Next Four Years  721-312  Dormitory (200 RM)  Subject Projects: Typically Planned Next Four Years  721-312  Dormitory (200 RM)  Subject Projects: Typically Planned Next Four Years  721-312  Dormitory (200 RM)  Subject Projects: Typically Planned Next Four Years  721-312  Dormitory (200 RM)  Subject Projects: Typically Planned Next Four Years  721-312  Dormitory (200 RM)  Subject Projects: Typically Planned Next Four Years  721-312  Dormitory (200 RM)  Subject Projects: Typically Planned Next Four Years  721-312  Dormitory (200 RM)  Subject Projects: Typically Planned Next Four Years  721-312  Dormitory (200 RM)  Subject Projects: Typically Planned Next Four Years  721-312  Dormitory (200 RM)  Subject Projects: Typically Planned Next Four Years  721-312  Dormitory (200 RM)  Subject Projects: Typically Planned Next Four Years  721-312  Student Dormitory (200 RM)  Subject Projects: Typically Planned Next Four Years  200 RM  Subject Projects  S				-	(FY2004	4)				0	
h. Grand Total:  8. Projects Requested in this Program. FY2003  CATEGORY  CODE PROJECT TITLE SCOPE \$(000) START COTATE TOTAL Student Dormitory (200 RM)  9a. Future Projects: Included in the Following Program: (FY2004)  Pb. Future Projects: Typically Planned Next Four Years  721-312 Dormitory (200 RM)  200 RM \$18.300  9b. Future Projects: Typically Planned Next Four Years  721-312 Dormitory (200 RM)  200 RM \$18.300  730-I 42 Replace Fire / Crash Rescue Station  4.186 SM \$9,200  740-884 Child Development Center  1.303 SM \$2,700  9c. Real Property Maintenance Backlog This Installation  69  10. Mission or Major Functions: Headquarters Second Air Force; a training wing responsible for communicative electronics, and administrative courses and a C-12/C-21 airlift squadron responsible for aircrew training; an Air Force Materiel Command engineering installation group; an Air Force Reserve airlift wing with one C-130 airlift squadron and one WC-130 weather reconnaissance squadron; and a major Air Force medical center.  11. Outstanding pollution and safety (OSHA) deficiencies:  a. Air pollutron  40	f. Planned in Next F	our Progr	am Years	:						30,200	
8. Projects Requested in this Program. FY2003  CATEGORY CODE PROJECT TITLE SCOPE \$(000) START C 721-312 Student Dormitory (200 RM) 200 RM \$22,000 JUL 01 AU  Total \$22,000 JUL 01 AU  Total \$22,000 JUL 01 AU  Total \$22,000 FM \$22,000 START C  PROJECTS: Included in the Following Program: (FY2004) No Projects  9b. Future Projects: Typically Planned Next Four Years 721-312 Dormitory (200 RM) 200 RM \$18.300  730-I 42 Replace Fire / Crash Rescue Station 4.186 SM \$9,200  740-884 Child Development Center 1.303 SM \$2,700  9c. Real Property Maintenance Backlog This Installation 69  10. Mission or Major Functions: Headquarters Second Air Force; a training wing responsible for communicative electronics, and administrative courses and a C-12/C-21 airlift squadron responsible for aircrew training; an Air Force Materiel Command engineering installation group; an Air Force Reserve airlift wing with one C-130 airlift squadron and one WC-130 weather reconnaissance squadron; and a major Air Force medical center.  11. Outstanding pollution and safety (OSHA) deficiencies: a. Air pollutron 40											
CATEGORY CODE PROJECT TITLE SCOPE \$(000) START C 721-312 Student Dormitory (200 RM) 200 RM \$22,000 JUL 01 AU Total \$22,000  9a. Future Projects: Included in the Following Program: (FY2004) No Projects  9b. Future Projects: Typically Planned Next Four Years 721-312 Dormitory (200 RM) 200 RM \$18.300 730-I 42 Replace Fire / Crash Rescue Station 4.186 SM \$9,200 740-884 Child Development Center 1.303 SM \$2,700  9c. Real Property Maintenance Backlog This Installation 69  10. Mission or Major Functions: Headquarters Second Air Force; a training wing responsible for communicative electronics, and administrative courses and a C-12/C-21 airlift squadron responsible for aircrew training; an Air Force Materiel Command engineering installation group; an Air Force Reserve airlift wing with one C-130 airlift squadron and one WC-130 weather reconnaissance squadron; and a major Air Force medical center.  11. Outstanding pollution and safety (OSHA) deficiencies: a. Air pollutron 40	h. Grand Total: 842.630										
CODE PROJECT TITLE SCOPE \$(000) START C  721-312 Student Dormitory (200 RM)  9a. Future Projects: Included in the Following Program: (FY2004)  9b. Future Projects: Typically Planned Next Four Years  721-312 Dormitory (200 RM)  730-I 42 Replace Fire / Crash Rescue Station  740-884 Child Development Center  9c. Real Property Maintenance Backlog This Installation  9c. Real Property Maintenance Backlog This Installation  69  10. Mission or Major Functions: Headquarters Second Air Force; a training wing responsible for communicative electronics, and administrative courses and a C-12/C-21 airlift squadron responsible for aircrew training; an Air Force Materiel Command engineering installation group; an Air Force Reserve airlift wing with one C-130 airlift squadron and one WC-130 weather reconnaissance squadron; and a major Air Force medical center.  11. Outstanding pollution and safety (OSHA) deficiencies:  a. Air pollutron  40	OCCUPATION OF A THE										
9a. Future Projects: Included in the Following Program: (FY2004)  9b. Future Projects: Typically Planned Next Four Years  721-312 Dormitory (200 RM)  730-I 42 Replace Fire / Crash Rescue Station  740-884 Child Development Center  9c. Real Property Maintenance Backlog This Installation  10. Mission or Major Functions: Headquarters Second Air Force; a training wing responsible for communicative electronics, and administrative courses and a C-12/C-21 airlift squadron responsible for aircrew training; an Air Force Materiel Command engineering installation group; an Air Force Reserve airlift wing with one C-130 airlift squadron and one WC-130 weather reconnaissance squadron; and a major Air Force medical center.  11. Outstanding pollution and safety (OSHA) deficiencies:  a. Air pollutron  40		OJECT TI	TLE			SC	OPE				CMP
9a. Future Projects: Included in the Following Program: (FY2004)  9b. Future Projects: Typically Planned Next Four Years  721-312	721-312 Studen	t Dormitor	ry (200 R	(M)			200	RM	\$22,000	JUL 01	AUG 02
9b. Future Projects: Typically Planned Next Four Years 721-312 Dormitory (200 RM) 2 0 0 RM \$18.300 730-I 42 Replace Fire / Crash Rescue Station 4.186 SM \$9,200 740-884 Child Development Center 1.303 SM \$2,700  9c. Real Property Maintenance Backlog This Installation 69  10. Mission or Major Functions: Headquarters Second Air Force; a training wing responsible for communicative electronics, and administrative courses and a C-12/C-21 airlift squadron responsible for aircrew training; an Air Force Materiel Command engineering installation group; an Air Force Reserve airlift wing with one C-130 airlift squadron and one WC-130 weather reconnaissance squadron; and a major Air Force medical center.  11. Outstanding pollution and safety (OSHA) deficiencies: a. Air pollutron 40								Total	\$22.000		•
721-312 Dormitory (200 RM)  730-I 42 Replace Fire / Crash Rescue Station  740-884 Child Development Center  9c. Real Property Maintenance Backlog This Installation  10. Mission or Major Functions: Headquarters Second Air Force; a training wing responsible for communicative electronics, and administrative courses and a C-12/C-21 airlift squadron responsible for aircrew training; an Air Force Materiel Command engineering installation group; an Air Force Reserve airlift wing with one C-130 airlift squadron and one WC-130 weather reconnaissance squadron; and a major Air Force medical center.  11. Outstanding pollution and safety (OSHA) deficiencies:  a. Air pollutron  40	9a. Future Projects:	Included 1	n the Fol	lowing P	rogram: (F	Y2004)	N	lo Project	:S		
730-I 42 Replace Fire / Crash Rescue Station 4.186 SM \$9,200 740-884 Child Development Center 1.303 SM \$2,700  9c. Real Property Maintenance Backlog This Installation 69  10. Mission or Major Functions: Headquarters Second Air Force; a training wing responsible for communicative electronics, and administrative courses and a C-12/C-21 airlift squadron responsible for aircrew training; an Air Force Materiel Command engineering installation group; an Air Force Reserve airlift wing with one C-130 airlift squadron and one WC-130 weather reconnaissance squadron; and a major Air Force medical center.  11. Outstanding pollution and safety (OSHA) deficiencies:  a. Air pollutron 40	9b. Future Projects:	Typically	Planned N	Next Fou	r Years						
740-884 Child Development Center 1.303 SM \$2,700  9c. Real Property Maintenance Backlog This Installation 69  10. Mission or Major Functions: Headquarters Second Air Force; a training wing responsible for communicative electronics, and administrative courses and a C-12/C-21 airlift squadron responsible for aircrew training; an Air Force Materiel Command engineering installation group; an Air Force Reserve airlift wing with one C-130 airlift squadron and one WC-130 weather reconnaissance squadron; and a major Air Force medical center.  11. Outstanding pollution and safety (OSHA) deficiencies:  a. Air pollutron 40	721-312 Dormit	ory (200 F	RM)				200	RM-	\$18.300		
9c. Real Property Maintenance Backlog This Installation 69  10. Mission or Major Functions: Headquarters Second Air Force; a training wing responsible for communicative electronics, and administrative courses and a C-12/C-21 airlift squadron responsible for aircrew training; an Air Force Materiel Command engineering installation group; an Air Force Reserve airlift wing with one C-130 airlift squadron and one WC-130 weather reconnaissance squadron; and a major Air Force medical center.  11. Outstanding pollution and safety (OSHA) deficiencies:  a. Air pollutron 40	730-l 42 Replac	e Fire / C	Crash Res	cue Stati	ion		4.186	SM	\$9,200		
10. Mission or Major Functions: Headquarters Second Air Force; a training wing responsible for communicative electronics, and administrative courses and a C-12/C-21 airlift squadron responsible for aircrew training; an Air Force Materiel Command engineering installation group; an Air Force Reserve airlift wing with one C-130 airlift squadron and one WC-130 weather reconnaissance squadron; and a major Air Force medical center.  11. Outstanding pollution and safety (OSHA) deficiencies:  a. Air pollutron  40	740-884 Child	Developme	ent Cente	r			1.303	SM	\$2,700		
electronics, and administrative courses and a C-12/C-21 airlift squadron responsible for aircrew training; an Air Force Materiel Command engineering installation group; an Air Force Reserve airlift wing with one C-130 airlift squadron and one WC-130 weather reconnaissance squadron; and a major Air Force medical center.  11. Outstanding pollution and safety (OSHA) deficiencies:  a. Air pollutron  40	9c. Real Property M	aintenance	e Backlog	This In	stallation					69	
a. Air pollutron 40	10. Mission or Major Functions: Headquarters Second Air Force; a training wing responsible for communications, electronics, and administrative courses and a C-12/C-21 airlift squadron responsible for aircrew training; an Air Force Materiel Command engineering installation group; an Air Force Reserve airlift wing with one C-130 airlift										
	11. Outstanding poll	ution and	safety (O	SHA) def	iciencies:						
b. Water pollution 30	a. Air pollutron									40	
	b. Water pollutio	n								30	
c. Occupational Safety and Health	c. Occupational	Safety and	d Health							0	
d. Other Environmental	d. Other Environ	mental								0	

1. COMPONENT		FY 2003 MILITARY CON	NSTRU	JCTION	PROJECT DA	TA	2. DATE		
AIR FORCE		(compu	iter ge	enerated)					
3. INSTALLATION KEESLER AIR FOR	-				JECT TITLE NT DORMITOF	RY (200 RM)			
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7. P	ROJECT	CT COST (\$000)				
85796		721-312		MAHG05	3001		22.000		
9 COST ESTIMATES									
	I	TEM	U/M	QUANTITY	UNIT COST	COST ( <b>\$000</b> )			
STUDENT DORMIT	ORY (200	RM)		RM	200		16.032		
STUDENT DOR	MITORY		SM	9,750	1.340	(13.065			
TRAINING MANA	AGER'S O	FFICE	SM	162	1.250	(203			
SATELLITE SHO	OPPETTE		SM	1.675	1,554	4 (2.603			
ANTITERRORISM	1 FORCE	PROTECTION	SM	1 1.587	14	4 (162			
SUPPORTING FAC	CILITIES						3.651		
UTILITIES				LS			(950		
PAVEMENTS/SIT				LS			(1,300		
		AINT ABATEMENT		LS			(300		
FACILITY DEMO	LITION			SM	12,948	85	(1,101		
SUBTOTAL							19,683		
CONTINGENCY (	5.0%)						984		
TOTAL CONTRACT	COST						20.667		
SUPERVISION, INS	PECTION	8 OVERHEAD ( 5.7 %	.)				1.178		
TOTAL REQUEST							21.845		
TOTAL REQUEST	(ROUNDEI	D)					22,000		

10. Description of Proposed Construction: Multi-story, CMU block, pile concrete foundation, floor slabs, and metal roof building. Project includes room-bath modules (2 students per room). laundries, training manager's office, fire protection, sitework, pavements, satellite shoppette, and all other supporting facilities. Complies with DoD interim force protection construction standard. Demolishes one existing dorm (12.948 SM).

Air Conditioning: 980 KW Grade Mix: 400 El-E4.

11. REQUIREMENT: 1,834 **RM** ADEQUATE: 998 RM SUBSTANDARD: 400 RM

PROJECT. Construct a Student Dormitory (200 RM). (Current Mission)

REQUIREMENT: A major Air Force objective provides unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation, and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the Increasingly complicated and important jobs these people must perform. The retention of these highly trained airmen is essential to our readiness posture and continuing world-wide presence. There is no adequate site available within the 'training triangle' area without first demolishing existing tenns courts and satellite shoppette.

<u>CURRENT SITUATION:</u> The Base has insufficient on-base housing to accommodate the unaccompanied enlisted students. This project is in accordance with the Air Force Dormitory Master Plan.

MPACT IF NOT PROVIDED: Adequate living quarters will continue to be unavailable resulting in degradation of norale, productivity, and overall training effectiveness of these students

ADDITIONAL: This project is being designed to Air Force technical training "pipeline" construction standards. A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, new construction) Indicates only new construction will meet operational requirements. Because of this, a full

3. INSTALLATION AND LOCATION KEESLER AIR FORCE BASE, MISSI  5. PROGRAM ELEMENT 85796  economic analysis was not performed Housing RPM conducted \$1,695K; FUnaccompanied Housing RPM requibase Civil Engineer: Lt Col Dave Fur Exchange 1,675 SM = 18.023 SF	TEGORY CODE 7. 721-312  d. A certificate of exe Y 01 Unaccompanied irements (estimate):	Housing RPM conducted FY02: <b>\$2,079K</b> ; FY03: <b>\$</b>	8. PROJECT COST (  22.000 ed. FY 00 Unaccompard: \$1,255K. Future \$2,077K; FY04: \$1,300	nied 0K.
KEESLER AIR FORCE BASE, MISSI  5. PROGRAM ELEMENT  85796  economic analysis was not performed Housing RPM conducted \$1,695K; Found Unaccompanied Housing RPM requirements as a Civil Engineer: Lt Col Dave Fur	TEGORY CODE 7. 721-312  d. A certificate of exe Y 01 Unaccompanied irements (estimate):	PROJECT NUMBER  MAHG053001  emption has been prepare Housing RPM conducted FY02: \$2,079K; FY03: \$	8. PROJECT COST (  22.000 ed. FY 00 Unaccompard: \$1,255K. Future \$2,077K; FY04: \$1,300	nied 0K.
economic analysis was not performed Housing RPM conducted \$1,695K; F Unaccompanied Housing RPM requi Base Civil Engineer: Lt Col Dave Fur	721-312  d. A certificate of exertificate of e	MAHG053001  emption has been prepare Housing RPM conducted FY02: \$2,079K; FY03: \$	22.000 ed. FY 00 Unaccompard: \$1,255K. Future \$2,077K; FY04: \$1,300	nied 0K.
economic analysis was not performed Housing RPM conducted \$1,695K; F Unaccompanied Housing RPM requi Base Civil Engineer: Lt Col Dave Fur	d. A certificate of exe Y 01 Unaccompanied irements (estimate):	emption has been prepare Housing RPM conducted FY02: <b>\$2</b> ,0 <b>79K</b> ; FY03: <b>\$</b>	ed. FY 00 Unaccompard: \$1,255K. Future \$2,077K; FY04: \$1,300	nied 0K.
Housing RPM conducted \$1,695K; F Unaccompanied Housing RPM requi Base Civil Engineer: Lt Col Dave Fur	Y 01 Unaccompanied irements (estimate):	Housing RPM conducted FY02: <b>\$2,079K</b> ; FY03: <b>\$</b>	d: \$1,255K, Future \$2,077K; FY04: \$1,300	0K.
JOINT USE CERTIF				

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION	AND LOCATION	
KEESLER AIR FOF	RCE BASE, MISSISSIPPI	
1.PROJECT TITLE		5. PROJECT <b>NUMBER</b>
STUDENT DORMIT	ORY (200 RM)	MAHG053001
12. SUPPLEMEN	NTAL DATA: Design	gn, Bid, Build
a. Estimated	Design Data:	
(4) Otatura		
(1) Status		16-JUL-01
` ,	te Design Started	
` ,	rametric Cost Estrmates used to develop costs	YES <b>65</b> %
` ,	rcent Complete as of Jan 02	
` ,	te 35% Designed.	31-OCT-01
	te Design Complete	20-AUG-02
	rgy Study/Life-Cycle analysts was/will be performed	YES
(2) Basis:		
• •	andard or Definitive Design -	YES
• •	ere Destgn Was Most Recently Used -	KEESLER
(3) Total C	sost(c) = (a) + (b) or (d) + (e):	(\$000)
(a) Pro	duction of Plans and Specifications	880
(b) All	Other Destgn Costs	4 4 0
(c) Tot	al	1,320
(d) Co	ntract	1,100
(e) In-	nouse	220
(4) Constru	uction Contract Award Date	02 Nov
(5) Constru	uctron Start	<b>03</b> Jan
(6) Constr	uction Completion	05 Jan
Estimate w	completion of Protect Definition with Parametric Cost hich is comparable to traditional 35% design to ensure valid cost and executability.	
i. Equipment <b>ass</b> esth <b>e</b> r appropria	ociated with this project will be provided from tions: NA	

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I <del>-</del>											
1. COMPONENT AIR FORCE	FY2	003		RY CONS ter gene		ON PR	OGRAM		2. DATI	Ξ	
3. INSTALLATION	AND LOC	ATION		4. COMM	IAND				5. AREA	CONST	
NELLIS AIR FORCE	E BASE.	NEVADA	ı	AIR CO	иват сс	MMAN	D		COST	COST INDEX	
										1.17	
6. PERSONNEL	PEF	RMANENT	-		STUDE	NTS		SUPP	ORTED		
STRENGTH	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL	
a. As of 30 Sep 01	875	5.550	1,978				372	823	290	9.888	
b. End FY 2005	896	5.720	1,986	ĺ			372	823	290	10.087	
			7. l	NVENTOR'	Y DATA S	\$(000)	I	I			
a. Total Acreage		13.742				, , , ,					
b. Inventory Totals a	s of: 30	Sep 01							559.134		
c. Authorization Not									19.621		
d. Authorization Re	quested Ir	n this Pro	gram:						30.450		
e. Authorization Inc	cluded In	Following	Program	i: (FY200	4)				0		
f. Planned in Next I	_	am Years	:						31.920		
g. Remaining Defici	ency:								72.600	•	
h. Grand Total:									713.725		
8. Projects Requested in this Program: N2003  CATEGORY  COST DESIGN STATUS											
COST DESIGN STATUS CODE PROJECT TITLE SCOPE \$(000) START CMP											
1	funitions		nce Faci	litv		743	SM	\$3,170	MAY 01	SEP 02	
ł	ory (144 l			,		144	RM S	\$12.280	TUR	N KEY	
ľ	Acquisition					1	LS §	315.000	TURI	N KEY	
							Total \$	30.450	_		
9a. Future Projects:	Included 1	n the Foll	owing P	rogram: ( f	Y2004)	N	lo Projects				
9b. Future Projects:											
1	ve Ordna					2,600	SM	\$6,320			
171-712 Nevada	Training	Range I	nitiative			1	LS	\$15.000			
214-425 Vehicle	Mamten	ance Con	nplex			3,192	SM	\$10,600			
9c. Real Property Ma	aintenance	Backlog	This Ins	stallation					44		
10. Mission or Major					a flying w	ving tha	t includes	the Wear	oons Schoo	s for the	
following (A-I 0, B-1											
an adversary threat g Si <b>quadron</b> (Thunderbi											
training unit(Air Warr	,			•							
C)perations School (A	والمستوجب									-	
1 1. Outstanding pollu	ition and	safety (O	SHA) de	ficiencies:							
a. Air pollution									0		
b. Water pollution									0		
c. Occupational S	Safety and	l Health							0		
d. Other Environ	mental								0		

AIR FORCE	FY 2003 MILITARY CO	ONSTRUCTIO	N PROJECT	DATA	2. DATE
	(compute	r generat	ed)		
3. INSTALLATION AND	LOCATION	4.	PROJECT T	ITLE	
NELLIS AIR FORCE BA	SE, NEVADA	DOR	WITORY (14	4 RM)	
5. PROGRAM <b>ELEMENT</b>	6. CATEGORY CODE 7.	PROJECT	NUMBER	8. PROJECT	COST (\$000)
27596	721-312	RKMF01	3010	1	2,280
	9. COST	ESTIMATES	<u>_</u>		
				UNIT	COST
	ITEM	<u>U/M</u>	QUANTITY	COST	(\$000)
DORMITORY (144 RM)		RM	144	C	9,352
DORMITORY		SM	4,752	1,948	( 9,257 )
ANTITERRORISM FORCE	PROTECTION	SM	4,752	.,	( 9,257 )
SUPPORTING FACILITIE					
UTILITIES		LS			1,720
PAVEMENTS		LS			( 550) ( <b>4</b> 30)
SITE IMPROVEMENTS		LS			( 300)
RELOCATE ATHLETIC F	FIELD	LS			(300)
COMMUNICATIONS		LS			( 140)
SUBTOTAL					11,072
CONTINGENCY ( 5.0	%)				554
TOTAL CONTRACT COST	•,			1	11,626
SUPERVISION, INSPECTION AND OVERHEAD ( 5.7 %)					663
TOTAL REQUEST		,		,	12,288
TOTAL REQUEST (ROUNDED)					12,280
	-		<u>.                                    </u>		
O Doggrintion of					
<del>-</del>	standing seam metal				
ite improvements, la	standing <b>seam</b> metal : indscaping. pavements,	roof, ut relocation	ilities, fir n of athl	e detection etic field,	n/suppression. and all
Blab, masonry walls, Bite improvements, la Becessary support. C	standing <b>seam</b> metal : andscaping. pavements, complies with <b>DoD</b> inte	roof, ut relocation rim minimu	ilities, fir n of athl	e detection etic field,	n/suppression. and all
slab, masonry walls, site improvements, la necessary support. C Air Conditioning: 45	standing seam metal : andscaping. pavements, complies with DoD inte 60 Kw. Grade Mix: El-E	roof, ut relocation rim minimo 4 144	ilities, fir n of athl um constru	e detection etic field, uction stand	n/suppression. and all
slab, masonry walls, site improvements, lancessary support. Conditioning: 45	standing seam metal : andscaping. pavements, complies with DoD inte to Kw. Grade Mix: E1-E  93 RM ADEQUATE: 1,1	roof, ut relocation rim minimu :4 144	ilities, firn of athlum constru	e detection etic field,	n/suppression. and all
slab, masonry walls, site improvements, lancessary support. Cair Conditioning: 45  1. REQUIREMENT: 1,69  PROJECT: Construct D	standing seam metal : andscaping. pavements, complies with DoD inte 60 Kw. Grade Mix: El-E	roof, ut relocation rim minimu 4 144 .90 RM	illities, fir n of athl n constru SUBSTANDA ission)	e detection etic field, action stand	n/suppression. and all dards.
Slab, masonry walls, site improvements, lancessary support. Call Conditioning: 45  11. REQUIREMENT: 1,69  REQUIREMENT: A major with housing conduciv	standing seam metal : indscaping. pavements, complies with DoD inte io Kw. Grade Mix: El-E 93 RM ADEQUATE: 1,1 cormitory (144 RM). ( Air Force objective re e to their proper rest	roof, ut relocation rim minimum 4 144 90 RM Current M provides , relaxat	illities, fir n of athl m constru  SUBSTANDA  ission) unaccompan ion and	e detection etic field, action stand  RD: 503 RM  ied enliste personal we	n/suppression. and all dards.  d personnel ll-being.
Blab, masonry walls, site improvements, lancessary support. Call Conditioning: 45  11. REQUIREMENT: 1,69  REQUIREMENT: A major with housing conducive concernly designed and	standing seam metal : indscaping. pavements, complies with DoD inte io Kw. Grade Mix: El-E 93 RM ADEQUATE: 1,1 cormitory (144 RM). ( Air Force objective re to their proper rest l furnished quarters p	roof, ut relocation rim minimum 4 144 90 RM Current M provides , relaxat roviding	illities, firm of athlum construction  SUBSTANDA  ission)  unaccompanion and  some degr	e detection etic field, action stand  RD: 503 RM  ied enliste personal we ee of indi-	n/suppression. and all dards.  d personnel ll-being. vidual privacy
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Slab, masonry walls, site improvements, lancessary support. Call Conditioning: 45  11. REQUIREMENT: 1,69  REQUIREMENT: A major with housing conductive con	standing seam metal: andscaping. pavements, complies with DoD inte to Kw. Grade Mix: E1-E  93 RM ADEQUATE: 1,1  cormitory (144 RM). (C) Air Force objective periodic to their proper rest and furnished quarters periodic successful accomplished people perform. The adiness posture and con	reoof, ut relocation rim minimum 4 144  90 RM  Current M provides , relaxat roviding hment of retention tinuing we	illities, firm of athlum constructions ission) unaccompanion and some degree the increasof these	re detection etic field, action stand  RD: 503 RM  ied enliste personal we ee of indiasingly comple highly trai	n/suppression. and all dards.  d personnel ll-being. vidual privacy ex and ned airman are
slab, masonry walls, site improvements, lancessary support. Carlo Conditioning: 45 L1.REQUIREMENT: 1,69 REQUIREMENT: A major with housing conducive properly designed and are essential to the important jobs these seential to our rear conditions of the property designed and are essential to our rear conditions of the seential to o	standing seam metal : andscaping. pavements, complies with DoD inte 60 Kw. Grade Mix: E1-E 93 RM ADEQUATE: 1,1 cormitory (144 RM). (6 Air Force objective period to their proper rest furnished quarters period accomplise people perform. The rediness posture and construction	relocation relocation minimum 24 144  90 RM  Current Morovides , relaxat roviding hment of retention tinuing we standard.	illities, firm of athlum constructions of these orld-wide	RD: 503 RM  ied enliste personal we ee of indiasingly comple highly traipresence.	n/suppression. and all dards.  d personnel ll-being. vidual privacy ex and ned airman are Complies with
clab, masonry walls, site improvements, la secessary support. Construct Decorate Construction Construct	standing seam metal: andscaping. pavements, complies with DoD inte to Kw. Grade Mix: E1-E  93 RM ADEQUATE: 1,1  cormitory (144 RM). (C) Air Force objective periodic to their proper rest and furnished quarters periodic successful accomplished people perform. The adiness posture and con	relocation rim minimum (4 144 144 190 RM Current M provides , relaxat roviding hment of retention tinuing we standard.	illities, firm of athlum constructions of these orld-wide	RD: 503 RM  ied enliste personal we ee of indiasingly comple highly traipresence.	n/suppression. and all dards.  d personnel ll-being. vidual privacy ex and ned airman are Complies with
slab, masonry walls, site improvements, la secessary support. Construct Date of the conditioning: 45.  CROJECT: Construct Date of the conditioning conductive of the conditioning conductive of the condition of t	standing seam metal andscaping. pavements, complies with DoD interest of Kw. Grade Mix: E1-E of Kw. Grade Mix: E1-	relocation relocation minimum 24 144  90 RM  Current M recovides relaxat roviding retention tinuing we standard.	illities, firm of athlum constructions of athlum constructions of a construction and a compantion and some degree of these orld-wide are housing in accordance.	RD: 503 RM  ied enliste personal we ee of indiasingly comple highly traipresence.  to accommonance with the same with the same commonance with the	n/suppression. and all dards.  d personnel ll-being. vidual privacy ex and ned airman are Complies with odate the
lab, masonry walls, ite improvements, labelessary support. Construct Decorate Constructions of Cons	standing seam metal andscaping. pavements, complies with DoD interest of Kw. Grade Mix: E1-E of Kw. Grade Mix: E1-	relocation relocation minimum 24 144  90 RM  Current M recovides relaxation reviding retention tinuing we standard.  Int on-base relaxation is contained in the contained retention tinuing we standard.	illities, firm of athlum constructions of athlum constructions of the second of these orld-wide see housing in accordance of provide the provide see housing in accordance of the second	RD: 503 RM  ied enliste personal we ee of indicasingly comple highly traipresence.  to accommonance with the a level	n/suppression. and all dards.  d personnel ll-being. vidual privacy ex and ned airman are Complies with odate the he Air Force
lab, masonry walls, ite improvements, labelessary support. Construct Decorate Constructions of Construction Constructions of Constructions Decorate Con	standing seam metal andscaping. pavements, complies with DoD interest of Kw. Grade Mix: E1-E of Kw. Grade Mix: E1-	relocation relocation minimum 24 144  90 RM  Current Morovides relaxation relaxation tinuing with the continuing with the cont	illities, firm of athlum constructions of athlum construction of the increase of these orld-wide see housing in accordance of the providence sulting	RD: 503 RM  ied enliste personal we ee of indiasingly comple highly traipresence.  to accommonance with the a level in degradat.	n/suppression. and all dards.  d personnel ll-being. vidual privacy ex and ned airman are Complies with odate the he Air Force  of privacy ion of
lab, masonry walls, ite improvements, labeled intervents, labeled iteration in the conditioning: 45 in Condition in Cond	standing seam metal andscaping. pavements, complies with DoD interest of Kw. Grade Mix: E1-E of Kw. Grade Mix: E1-	relocation relocation minimum de 144 144 190 RM Current M Provides relaxat roviding hamment of retention tinuing we standard.  Int on-base piect is must be provided in the control of the	illities, firm of athlum constructions of athlum constructions of a construction and some degree of these orld-wide accompanies accompanies accified in	re detection etic field, action stand record	d personnel ll-being. vidual privacy ex and ned airman are Complies with date the he Air Force of privacy ion of personnel. uniform
clab, masonry walls, site improvements, land lecessary support. Construct of the conditioning: 45.  1. REQUIREMENT: 1,69.  ROJECT: Construct Decourage of the housing conductive reperly designed and	standing seam metal : indscaping. pavements, complies with DoD inte indscaping. pavements, complies with DoD inte indscaping. pavements, complies with DoD inte indscaping. Pavements indscaping. Adequate living quarters proper rest independent of the base has insufficite indscaping. The proper rest independent of the base has insufficite indscaping. This proper rest indscaping. This proper rest indscaping. The proper re	reoof, ut relocation minimum de 144 144 190 RM Current M recovides , relaxat roviding hment of retention tinuing we standard.  Int on-base of the continuity of the continuity which is a continuity which is a continuity of the co	illities, firm of athlum constructions of athlum constructions of these or construction and some degree of these or constructions accordance of the construction accompanies accompanies accified in cone" estate	re detection etic field, action stand record field, action stand record field	d personnel ll-being. vidual privacy ex and ned airman are Complies with date the he Air Force of privacy ion of personnel. uniform OSD. All
clab, masonry walls, site improvements, land lecessary support. Construct Date of the conditioning: 45  1. REQUIREMENT: 1,69  REQUIREMENT: A major with housing conductive roperly designed and re essential to the major tant jobs these respective for the condition of the conditio	standing seam metal andscaping. pavements, complies with DoD interest of Kw. Grade Mix: E1-E of Kw. Grade Mix: E1-	relocation relocation minimum defect and release revides relaxat roviding retention tinuing we standard. The relation tinuing we standard. The relation relation to the relation relation between the relation relation relation relations and relations relatio	illities, firm of athlum constructions of athlum constructions of a companion and some degreate of these orld-wide accompanion accordance of the companion accompanion accompanion accompanion accompanion accompanion accompanion accompanion of acco	re detection etic field, action stand record field, action stand record field	d personnel ll-being. vidual privacy ex and ned airman are Complies with date the he Air Force  of privacy ion of personnel. uniform OSD. All
lab, masonry walls, ite improvements, labeled in improvements, labeled ite important: 1,69 labeled ite essential to the mortant jobs these issential to our reading of interim force provents and interim force provements in ite important ite importan	standing seam metal andscaping. pavements, complies with DoD interest of Kw. Grade Mix: E1-E of Kw. Grade Mix: E1-E1-E1-E1-E1-E1-E1-E1-E1-E1-E1-E1-E1-E	relocation relocation relocation relocation relocation relocation relocation relocation relocation relaxat rovides relaxat roviding retention tinuing we standard. retention tinuing we retention tinuing we retention tinuing we retention tinuing we retention retention tinuing we retention	SUBSTANDA ission) unaccompanion and some degr the increa of these orld-wide  ch provide ch provide resulting accompanie ecified in one" estate opment of ore, no eco	re detection etic field, action stand record field, action stand record field	d personnel ll-being. vidual privacy ex and ned airman are Complies with date the he Air Force  of privacy ion of personnel. uniform OSD. All et. No other yoie was FY01
lab, masonry walls, ite improvements, labeledge improvements, labeledge iteration in the conditioning: 45  1. REQUIREMENT: 1,69  ROJECT: Construct DEQUIREMENT: A major with housing conducive roperly designed and re essential to the mportant jobs these is sential to our reading the condition of the condition in	standing seam metal indscaping. pavements, complies with DoD interest of Kw. Grade Mix: E1-E of Kw. Grade Mix: E1-	relocation relocation relocation relocation relocation relocation relocation relocation relocation relaxat revides relaxat reviding retention tinuing we standard. retention tinuing we retention	Illities, firm of athlum construction of athlum construction of a construction of these or of the provide the companies of the companies of the construction of the construction of the conducted of	re detection etic field, action stand record field, action stand record field	d personnel ll-being. vidual privacy ex and ned airman are Complies with date the he Air Force  of privacy ion of personnel. uniform OSD. All et. No other yoie was FY01 ing RPM
lab, masonry walls, ite improvements, labecessary support. Construct Dir Conditioning: 45  1. REQUIREMENT: 1,69  ROJECT: Construct DEQUIREMENT: A major ith housing conducive roperly designed and re essential to the major tant jobs these sential to our reading to interim force properly designed and respectively. The companied enlisted or major tant jobs these sential to our reading the companied enlisted or material for the companied enlisted or productivity, designed for today's corale, productivity, designed for today is correctly designed for today is corre	standing seam metal andscaping. pavements, complies with DoD interest of Kw. Grade Mix: E1-E of Kw. Grade Mix: E1-E1-E1 of Kw. Grade Mix: E1-E1-E1 of Kw. Grade	relocation relaxat reviding retention tinuing we standard. retention tinuing we retention tinuing we retention tinuing we retention tinuing we retention retention tinuing we retention ret	Illities, firm of athlum construction of athlum construction of a construction of these or of the provide the companies of the companies of the construction of the construction of the conducted of	re detection etic field, action stand record field, action stand record field	d personnel ll-being. vidual privacy ex and ned airman are Complies with date the he Air Force  of privacy ion of personnel. uniform OSD. All et. No other yoie was FY01 ing RPM

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA 2. DATE								
AIR FORCE		(computer generated)							
3. INSTALLATIO	3. INSTALLATION AND LOCATION 4. PROJECT TITLE								
NELLIS AIR FO	RCE BASE, NEV	ADA		DORMITORY (14	4 RM)				
5. PROGRAM ELI	MENT 6. CA	TEGORY CODE	7. PROJECT NUMBER 8. PROJECT COST (\$000)						
27596		721-312	<b>REMF</b> 013010		12,2	80			

SF) Design Build - Design Build Cost (4% of Subtotal Cost): \$448,000

JOINT USE CERTIFICATION: Mission requirements, operational Considerations and location are incompatible with use by other components.

AIR FORCE	FY 2003 MILITARY CONSTRUCTION PROJECT [ (computer generated)	DATA	2. DATE
<u> </u>			
ELLIS AIR FORCE BA	ASE, <b>NEVADA</b>		
PROJECT <b>TITLE</b>			5. PROJECT NUMBE
ORMITORY (144 RM)			RKMF013010
12. SUPPLEMENTA	AL DATA:	Des	sign Build
a. Estimated De	esign Data:		
(1) Project to	be accomplished by design-build procedures		
(2) Basis.	zo accompliance by <b>costig</b> it <b>band</b> procedures		
, ,	ard or Definitive Design -		NC
(b) Where	e Design Was Most Recently Used -		
(3) Design Al	lowance		336
(4) Construction	on Contract Award Date		02 <b>O</b> c
(5) Constructi	on Start		02 <b>De</b> c
(6) Constructi	on Completion		03 Jan
(7) Energy St	udy/Life-Cyde analysts was/will be performed		YES
other appropnatto	ated with this project will be provided from ns: N/A		

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1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA 2. DATE							
AIR FORCE	(computer generated)							
3. INSTALLATION	AND LOC	CATION		4. PRO	JECT TITLE		_	
NELLIS AIR FORCE	E BASE,	NEVADA		F-22 M	UNITIONS MA	INTENANCE	FACILITY	
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7. PF	ROJECT	COST (\$000)			
27219		216642	RK	(MF0030	008R2		3.170	
		9 COST	r estii	MATES			_	
	ľ	TEM		U/M	QUANTITY	UNIT COST	COST ( <b>\$000</b> )	
F-22 MUNITIONS M	MAINTENA	NCE FACILITY		SM	743		1.77:	
MUNITIONS MAI	NTENANC	E FACILITY		SM	743	2,376	(1,765	
ANTITERRORISM	FORCE	PROTECTION		SM	743	10	(7	
SUPPORTING FAC	ILITIES						1.085	
UTILITIES				LS			(42	
PAVEMENTS				SM	7.000	30	(210	
SITE IMPROVEM				SM	8.000	20	(160	
COMMUNICATION				LM	800	180	(144	
WATER STORAG	iΕ			LS			(300	
DEMOLITION				SM	933	250	(233	
SUBTOTAL							2,862	
CONTINGENCY (	5.0%)						143	
TOTAL CONTRACT	COST						3,005	
SUPERVISION, INSPECTION & OVERHEAD ( 5.7 %)							171	
TOTAL REQUEST							3,176	
TOTAL REQUEST (ROUNDED)							3,170	

10. Description of Proposed Construction: Reinforced concrete floors, structural steel frame, masonry block walls, standing seam metal roof, secure work area, fire detection/protection, fixtures, HVAC, sitework, pavements, water storage, communication ducts, and support utilities as required Includes minimum DoD interim standard force protection measures.

Air Conditioning: 15 KW

11. REQUIREMENT: 3,623 SM ADEQUATE: 2,490 SM SUBSTANDARD: 933 SM

PROJECT: Construct a F-22 munitions matntenance facility. (New Mission)

REQUIREMENT: An adequately sized and configured four-bay munitions maintenance facility is required to support the beddown of the next multi-roled F-22 fighters at Nellis AFB. NV. This new system will increase the rlumber and type of weapons employed at Nellis AFB to support Operational Test and Evaluation and the USAF Weapons School. An adequate munitions matntenance facility is required for the safe handling and build-up of precision munitions and missiles. This facility eliminates the possibility of work-arounds required to prevent mission disruption and degradation. Force protection measures include minimum DoD interim force protection standards.

CURRENT SITUATION: Due to the diversified weapons systems and training requirements at Nellis AFB. there are no excess facilities of adequate size or configuration that can be made available or economically converted to support the beddown of this mission. The munitions maintenance facility must be completed prior to FY04 in order to build, maintain and employ vanous munitions as part of the continuing F-22 testing and evaluation program. Inefficient or inadequate munitions maintenance facilities require excessive handling of munitions and storage outside in harsh weather conditions, and the nsk for serious injury is dramatically increased. The existing munitions maintenance facility is a steel frame metal building that does not meet explosive safety criteria. The munitions bays do not have explosive proof walls and the roof system is frangible. Under these conditions, the facility cannot be fully utilized, forcing munitions personnel to accomplish the build-up of munitions through shift

1. COMPONENT	COMPONENT FY 2003 MILITARY CONSTRUCTION PROJECT DATA 2. DATE									
AIR FORCE		(compu	iter generated)							
3. INSTALLATION	AND LO	CATION	4. PROJECT TITLE							
NELLIS AIR FORCE BASE, NEVADA F-22 MUNITIONS MAINTENANCE FACILITY										
5. PROGRAM ELE	ROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000)									
27219 216642 <b>RKMF003008R</b> 2 3.170										
	work and in alternate facilities. This project will consolidate operations in a single facility and reduce the manpower workload.									
undersized and iner weather conditions. Impacting their heal	IMPACT IF NOT PROVIDED: Weapons and munitions storage operations will continue to be conducted in undersized and inefficient facilities. Equipment and munitions will be stored and maintained outside in harsh weather conditions. Munitions personnel will be forced to work in overcrowded and unsafe facilities negatively impacting their health, safety, and morale. The potential for a serious munitions accident will continue to grow.  ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, 'Facility									
Requirements'. A pone option that will	reliminary a meet oper prepared.	analysis of reasonable op rational requirements. A f	otions for accomplishing this rull economic analysis was not across the conomic analysis was not across the conomic analysis was not across the conomic across the co	project indic not performed.	ates there is only A certificate of					
			sion requirements, oper							
Conside	rations a	nd location are incor	mpatible with use by oth	ner compon	ents.					

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. COMPONENT AIR FORCE	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
	(computer generated)	
. INSTALLATION		
PROJECT TITLE	EBASE, NEVADA	5. PROJECT NUMBE
	AINTENANCE FACILITY	
		RKMF003008R2
12. SUPPLEMEN	ITAL DATA: Des	ign, Bid, Build
a. Estrmated	Design Data:	
(1) Status:		
(a) Da	te Design Started	31-MAY-01
(b) <b>Pa</b> i	ametric Cost Estimates used to develop costs	YES
. (c) Pe	cent Complete as of Jan 02	15 <b>%</b>
. (d) Dat	e 35% Designed.	20-SEP-01
(e) Dat	e Design Complete	03-SEP-02
(f) Ene	rgy Study/Life-Cycle analysis was/will be performed	YES
(2) Basis:		
(a) Sta	ndard or Definitive Design -	NO
(b) Wh	ere Design Was Most Recently Used -	
(3) Total C	ost (c) = (a) + (b) or (d) + ( $\theta$ ):	(\$000)
(a) Pro	ductton of Plans and Specifications	192
(b) All	Other Design Costs	96
(c) Tota	al	288
(d) Cor	ntract	256
(e) In-h	ouse	32
(4) Constru	ction Contract Award Date	<b>02</b> Oct
(5) Constru	ction Start	02 Dec
(6) Constru	ctron Completion	03 Oct
Estimate wh	completion of Project Defrnition with Parametric Cost nich is comparable to traditional 35% design to ensure valid cost and executability.	
Equipment asso	ciated with this project will be provided from ons: NA	

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1. COMPONENT FY 200	ENT FY 2003 MILITARY CONSTRUCTION PROJECT DATA 2. DATE							
AIR FORCE (computer generated)								
3. INSTALLATION AND LOCATION 4. PROJECT TITLE								
NELLIS AIR FORCE BASE,	NEVADA	LA	ND A	CQUISITION				
5. PROGRAM ELEMENT	<ol><li>CATEGORY CODE</li></ol>	7. PR	OJEC	T NUMBER	8. PROJEC	T COST (\$000)		
27596	911-146	RK	MF023	3002		15,000		
	9. COS	T ESTIMA	TES	_				
	TEM		UN	QUANTITY	UNIT COST	COST ( <b>\$000</b> )		
LAND ACQUISITION			LS			15,000		
SUPPORTING FACILITIES					,	C		
SUBTOTAL						15,000		
CONTINGENCY ( 0.0 %)						С		
TOTAL CONTRACT COST						15,000		
SUPERVISION, INSPECTION & OVERHEAD ( 0 %)						0		
TOTAL REQUEST						15,000		
TOTAL REQUEST (ROUNDE				15,000				

11. REQUIREMENT: LS ADEQUATE: LS SUBSTANDARD: LS

PROJECT: Land Acquisition. (Current Mission)

<u>REQUIREMENT:</u> Adequate ranges for live ordnance'and tactical operations and testing of new weapons systems. The ranges must provide enough ground and air space for unrestricted tactic operations and delivery of live ordnance. The ranges must also accommodate the testing of new aircraft and weapons systems.

<u>current situation:</u> Public Law **99-606**, Military Land Withdrawl Act (MLWA) of 1986. is responsible for the **withdrawal** of lands (approximately 3 million acres) comprising the **Nellis** Air Force Range, reserving it exclusively /or a period of 15 years. That reservation expired in November 2001. The MLWA also provides for a renewal in accordance with the Department of Interior regulations for land withdrawals and requires the Secretary of the Air Force to notify the Secretary of the Interior that there is a continuing military need for the land. Public Law **106-**55, Military Lands Withdrawal Act of 1999, Acquisition of Replacement Property, requires the replacement of Yational Wildlife Refuge Lands withdrawn for Air Force testing and training requirements. The law authorizes the transfer of funds from the Secretary of the Air Force to the Secretary of the Interior for acquiring such lands. **These** actions will continue to provide a location to test weapons systems and tactics, and training military **Dersonnel** to meet nationally directed missions. Nearly 50% of all live ordnance loaded and expended for training n the Air Force (worldwide) and 75% of all loaded and expended ordnance within the **CONUS** is done at **Nellis AFB**.

<u>MPACT IF NOT PROVIDED</u>: The adverse impact on **Nellis** AFB and its flying mission would be insurmountable. **The** inability to fly live ordnance or tactical training missions would adversely affect the readiness of aircrews.

ADDITIONAL: Base Civil Engineer: Col Arvil E. White III, (702) 652-4833.

<sup>10.</sup> Description of Proposed Construction: Provides for the acquisition of replacement lands on the Nevada Test and Training Range portion of the Desert National Wildlife Range in support of Public Law 106-65, Military Lands Withdrawal Act of 1999, Acquisition Replacement Property.

1. COMPONENT	F1	2003 MILITAR	Y CONSTR	UCTION PROJECT DA	ATA	2. DATE
AIR FORCE			(computer g	enerated)		
3. INSTALLATION	AND LOCAT	ION		4. PROJECT TITLE		
NELLIS AIR FORCE				LAND ACQUISITION		
<u> </u>	•		•		1 -	
5. PROGRAM ELE	EMENT 6.	CATEGORY	CODE 7. F	ROJECT NUMBER	8. PROJEC	r COST (\$000)
27596		911-146	·	RKMF023002	l.	15,000
I.C	NINT HEE	CEDTIEICA	TION, TL	ic focility can be	and by other	,
				is facility can be u		l
				sis: however, the s	cope of the	
pr	oject is bas	ed on Air Fo	ice equipi	nellt.		

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1. COMPONENT AIR FORCE	FY 2003 MILITARY CONSTRUCTION PROJECT [ (computer generated)	DATA	2. DATE			
3. INSTALLATION AN	<u>-</u>		<u> </u>			
NELLIS AIR FORCE BASE, NEVADA						
. PROJECT TITLE		5. PROJECT NUMBER				
AND ACQUISITION			RKMF023002			
12. SUPPLEMENT	AL DATA:	Des	sign Build			
a. Estimated D	Design Data:					
(1) Proiect to	be accomplished by design-build procedures					
(2) Basis:	, acceptable processing					
` '	dard or Definitive <b>Design</b> -		NO			
(b) Whe	re Design Was Most Recently Used -					
(3) Design A	Allowance		75			
(4) Construct	tion Contract Award Date		02 <b>O</b> ct			
(5) Construc	tion Start		02 <b>De</b> c			
(6) Construc	tion Completion		03 Jun			
(7) Energy S	tudy/Life-Cycle analysis was/will be performed		NO			

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11										
1. COMPONENT AIR FORCE	FY2	003		MILITARY CONSTRUCTION PROGRAM (computer generated)					2. DATE	
3. INSTALLATION AND LOCATION 4. COMMAND								5. AREA	5. AREA CONST	
MCGUIRE AIR FO	RCE BAS	E. NEW		AIR MO	BILITY C	OMMAN	D		COST	INDEX
JERSEY									•	1.17
6. PERSONNEL	PEF	RMANENT			STUDE	NTS		SUPP	ORTED	
STRENGTH	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 Sep 01	611	3,770	2,005				107	388	119	7.000
b. End FY 2005	587	3,713	1,993				107	388	119	6.907
			7. I	NVENTOR'	Y DATA S	\$(000)				
a. Total Acreage		3,661								
b. Inventory Totals a	s of: 30	Sep 01							455.058	
c. Authonzatron Not	Yet In In	ventory:							28.085	
d. Authorization Re-	quested In	this, Pro	gram:						24.631	
e. Authorization Inc	luded In F	ollowing	Program:	(FY200	4)				0	
f. Planned in Next F	our Progr	am Years	:						72.989	
g. Remaining Deficie	ency:								256.900	
h. Grand Total:									837.663	
3. Projects Requeste	d in this	Proqram:	FY2003					0007	DEGION A	27.4.7.1.0
CATEGORY	DJECT TI	T. C			0.0	ODE			DESIGN S	
			. Fooilitie		50	OPE	CM ¢			CMP
141-753 C-17 F	lightline	Operations	s racilitie	28		9.860	Total :	24.631	APR 01	SEP 02
							TOTAL	\$24,031		
la. Future Projects: I	Included in	n the Foll	owing Pr	rogram: (F	Y2004)	No	o Projects			
lb. Future Projects.	• .			Years						
	NCOA Ac					3.079		\$13.089		
171-816 ADAL	NCOA PM	1E Center				3.112		\$8.900		
	ns Storaç	•				1.945		\$7.200		
	dated Air	-				2.450		\$17,000		
	bility Warf		Ü	ers		5.600		\$15,000		
312-225 Electric	al Distrib	ution Svs	tem		1	0,010	SM S	\$11,800		
c. Real Property Ma	aintenance	Backlog	This In:	stallation					88	
0. Mission or Major					-	-				
quadrons; an Air Mo vFRC C-141/KC-10				,		•		•		
					ANO AII	rorueiirig	Will Will	. two ICC	, 100 Squaui	Oi IO.
Outstanding pollution and safety (OSHA) deficiencies:     a. Air pollution										
h Wassa adliation										
c. Occupational S		Hoolth							0	
·	•	HEAIIII							0	
d. Other Environmental 0										

1. COMPONENT	FY 2003 MILITARY CO	NSTRUCTION PROJECT DA	ATA 2. DATE				
AIR FORCE (computer generated)							
3. INSTALLATION AND LOCATION 4. PROJECT TITLE							
MCGUIRE AIR FOR	CE BASE, NEW JERSEY	C-17 FLIGHTLINE	OPERATIONS FACILITIES				
5. PROGRAM ELEM	ENT 6. CATEGORY CODE 7 .	PROJECT NUMBER 8.	PROJECT COST (\$000)				
41130	141-753	PTFL033099 24,631					

9.	COST	ESTIMATES

			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
				-
C-17 PLIGHTLINE OPERATIONS FACILITIES	SM	9,801	0	13,606
LIFE SUPPORT/SURVIVAL EQUIPMENT SHOP	SM	2,300	1,450	( 3,335)
SQUADRON OPERATIONS FACILITY	SM	4,654	1,575	( 7,330)
ADD TO NOSE DOCK	SM	1,788	1,109	( 1,983 )
ALTER NOSE DOCK	SM	1,059	636	( 674 )
ANTITERRORISM FORCE PROTECTION MEASURES	SM	9,001	29	( 284 )
SUPPORTING FACILITIES				8,524
UTILITIES	LS			( 3,182)
PAVEMENTS/ROADS	LS			( 2,465
SITE IMPROVEMENTS	LS			( 450
DEMOLITION	SM	3,010	220	( 662
ELEVATOR	EA	1	125,000	( 125
DIST LINES/WATER MAINS/FIRE PUMPING STATION	LS			( 1,640
JUBTOTAL				22,130
CONTINGENCY ( 5.0 %)				1,106
NOTAL CONTRACT COST			·	23,236
SUPERVISION, INSPECTION AND OVERHEAD ( 5.7 %)			,	1,324
NOTAL REQUEST				24,561
OTAL REQUEST (ROUNDED)				24,631
QUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				( 5,050.0 )

- 0. Description of Proposed Construction: Construct a 1-story C-17 Squadron perations Facility/AMU. Construct Life Support/Survival Equipment Shop. Add to nd Alter the Nose Dock by enlarging hangar door and performing structural mods. rovides utilities and roade to include 3 inches of asphalt pavement, curbs, proper rainage, lights, and fire pump station. Includes physical security measures IAW OD minimum construction standards.
- 1. REQUIREMENT: 10,349 SM ADEQUATE: 0 SM SUBSTANDARD: 3,010 SM

ROJECT: C-17 flightline operations facilities. (New Mission)

Requirements: Construction is required to support the beddown of C-17 aircraft to neclude a consolidated Squadron Operations, Maintenance Facility, and Life upport/Survival Equipment Shop. Also, to add and alter a Nose Dock and tilities/Roads. These flightline operations facilities and utilities/roads support ersonnel and equipment for the beddown of the C-17 aircraft. The first C-17 arrives n FY2004 and a total of 14 C-178 will be on station at the completion of these equirements.

URRENT SITUATION: The base does not have adequate facilities or utilities/roads to onduct squadron level maintenance and operations for the C-17 aircraft. The xisting life support/survival equipment and squadron operation facilities cannot ccommodate current requirements much less a C-17 beddown requirement. The squadron perations and maintenance personnel operate from six small and physically separated uildings creating fragmented lines of communication/authority. On the Nose Dock, he existing hangar doors and opening are too small to accommodate the C-17 aircraft

1. COMPONENT	FY 2003 MILITARY C	ONSTRUCTION PROJECT ${f D}$	ATA 2. DATE
AIR FORCE I	(comp	iter generated)	
3. INSTALLATION AND 1	LOCATION	4. PROJECT TI	TLE
MCGUIRE AIR FORCE BAS	SE, NEW JERSEY	C-17 FLIGHTLI	NE OPERATIONS PACILITIES
5. PROGRAM ELECTRIC	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)
41130	141-753	PTFL033099	24,631

and the interior electrical, lighting, and mechanical systems do not meet codes. In addition, over all interior conditions need renovating and does not comply with facility • tandardm for aircraft maintenance. Utility repairs are necessary to complete the C-17 beddown. The fire pumping station that supplies fire protection to the new facilities needs repair.

mpact if Not PROVIDED: Adequate facilities will not be available to perform

ssential maintenance and repair on the C-17 aircraft. The operational squadron will

be undersized and geographically separated from their other functions creating

perational deficiencies. Fragmented operations will increase the potential for

security compromises. With no acceptable work arounds, high risk solutions will be

implemented that will impact operational capabilities and violate safety criteria.

Vithout theme facilities, the Base will be unable to perform maintenance on the C-17

ricraft.

Handbook 21-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing these porjects (status quo, renovation, new construction, leasing) was done. It indicates there is only one option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate Of exception has been prepared. BCL: Col Charles Smiley, (609) 754-2672. Life Support/Survival Equipment shop: 2,300 SM = 24,740 SF; Squadron operations Facility: 4,654 SM = 50,077 SF; Add to Nose Dock: 1,788 SN = 19,239 SF; Alter Nose Dock: 1,059 SM = 11,395 SF.

JOINT USE CERTIFICATION: Mission requirements, operational Considerations and location are incompatible with use by other components.

1. COMPONENT	FY 2003 <b>M</b> ILL	TARY CONSTRUCTION P	ROJECT DATA	2. DATE
AIR FORCE		(computer generated)		
3. INSTALLATION	AND LOCATION			
-	RCE <b>BASE, NEW</b> JERS	EY		
4. PROJECT TITLE				5. PROJECT NUMBER
J-1/FLIGHTLINE C	OPERATIONS <b>FACILIT</b> I	ES		PTFL033099
12. SUPPLEME	NTAL DATA:		Desig	gn, Bid, Build
a. Estimated	d <b>Design</b> Data:			
(1) status	<b>:</b> :			
` ,	ate Design Started			30-APR-01
` ,		tes used to develop cos	sts	YES
` ,	ercent Complete as o	f Jan 02		15 %
, ,	ate 35% Designed.			18-SEP-01
` ,	ate Design Complete			10-SEP-02
• •		analysis was/will be per	formed	YES
(2) Basis:				
` ,	andard or Definitive D	-		NO
	nere Design Was Mos	•		
	Cosl (c) = (a) + (b) or			(\$000)
	oduction of Plans and	Specifications		1,518 759
, ,	Other Design Costs			2, <b>277</b>
(c) Tot				1,898
(d) Co				380
(e) In-		I Date		02 Nov
` ,	uctton Contract Award	d Date		<b>03</b> Jan
` ,	uction Start			05 Jul
` ,	ruction Completion	t Definition with Denomin	to a Coat	03 54
Estimate w		t Definition with Parame traditional 35% <b>design</b> : /.		
b. Equipment assorther appropriation		ect will be provided from		
EQUIPMEN NOMENCLATI		PROCURING APPROPRIATION	FISCAL YEA APPROPRIAT OR REQUES	TED COST
SYSTEMS FURN		3400	2005	1300
HIGH DENSITY	STORAGE	3080	2005	
EQUIPMENT		3080	2005	3500

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<u>.</u>											
1. COMPONENT AIR FORCE	FY2	003		RY CONST ter genera		I PR	OGRAM		2. DA	TE	
3. INSTALLATION	AND LOC	CATION	}	4. COMMA	ND				5. AR	EA C	TRNC
POPE AIR FORCE	BASE, 1	NORTH	I	AIR MOBI	LITY CON	MAN	ND		COS	ST INI	DEX
CAROLINA			I						1	0.88	
6. PERSONNEL	PEF	RMANENT		,	STUDENT	S		SUPF	PORTED		
STRENGTH	OFF	ENL	CIV	OFF	ENL	CIV	OF	F ENL	CIV		OTAL
a. As of 30 Sep 01	651	4.320	496				5	152	77		5.753
b. End FY 2005	647	4.478	504				5	7 152	77		5.915
		•	7. IN	NVENTORY	DATA \$(0	000)	•	•	•		
a. Total Acreage		1.986	6								
b. Inventory Totals a	as of. 30	Sep 01							233.60	7	
c. Authorization Not	Yet In Ir	nventory:							36.83	2	
d. Authorization Re	quested Ir	this Pro	gram:						9.70	0	
e. Authorization Inc	luded In	Following	Program	. (FY2004)					9.10	0	
f. Planned in Next F	Ū	am Years	:						53.50	_	
g. Remaining Deficie	ency:							_	95.80	_	
h. Grand Total:									438.53	9	
3. Projects Requeste	d in this	Program:	FY2003					COST	DESIGN	I STA	THS
DATEGORY DODE PRO	DJECT TI	TIF			sco	PF			START	_	CMP
	ory (144 l				000		RM	\$9,700		RN KE	-
	(	,					Total	\$9,700	_		
9a. Future Projects:	Included 1	n the Fell	lowing Pr	ogram: ( FY	(2004)						
}		ii tile Foli	lowing Fi	ogram. ( ' '	2004)		D.M.	<b>CO 400</b>			
721-312 Dormit	ory					144	RM	\$9.100	_		
							Total	\$9,100			
b. Future Projects:					_		CM	<b>\$7.500</b>			
		Operation trol Towe		ron	•	565	SM	\$7,500			
1				noo Engility	•	599	SM SM	\$9,900 \$5.300			
		nd Equipr		nce Facility		800	_	\$6.400			
-	Group H		nent rac	anti y		,784		\$4,000			
721-312 Dormite		Ч				120	RM	\$8,000			
	-	Center/Lil	brarv			324		\$12,400			
<del> </del>				A-11-4:				ψ·=,·••			
c. Real Property Ma							c		5:		A (O.A.
<ol> <li>Mission or Major</li> <li>squadrons; and to</li> </ol>			-	itn two C-13	su squadro	ons; a	a fighter	operations	group wit	n two	AVUA.
1. Outstanding pollut				ciencies:							
a. Air pollution									(	)	
b. Water pollution	า								(	)	
c. Occupational S	Safety and	Health							(	)	
d. Other Environr	nental								(	)	

1. COMPONENT		FY 2003 MILITARY CON	NSTRUC	TION	PROJECT DA	TA :	2. DATE
AIR FORCE		(compu	iter gen	erated)			
3. INSTALLATION AN POPE AIR FORCE BA			-		ECT TITLE ORY (144 RM	Л)	
5. PROGRAM ELEME	NT	6. CATEGORY CODE	7. PRO	DJECT	NUMBER	8. PROJEC	T COST (\$000)
41896		721-312	TM	KH033	002		9.700
		9 COST	T ESTIM	ATES			
	I	TEM		U/M	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (144 RM	1)			RM	144		7.046
DORMITORY				SM	4.752	1.468	(6.976)
ANTITERRORISM F	FORCE	PROTECTION		SM	4,752	15	(70)
SUPPORTING FACILITY UTILITIES	TIES			LS			1,750 (780
PAVEMENTS				LS			(480
SITE IMPROVEMEN	NTS			LS			(375
COMMUNICATIONS	SUPP	ORT		LS			(115
SUBTOTAL							8,796
CONTINGENCY ( 5.0	%)						440
TOTAL CONTRACT C	OST						9.235
SUPERVISION. INSPE	CTION	& OVERHEAD (57%	)				526
TOTAL REQUEST							9,762
TOTAL REQUEST (RC	DUNDE	D)					9.700

10. Description of Proposed Construction: Three-story facility with reinforced concrete foundation, floor slabs, steel frame, brick veneer exterior walls, and sloped roof Includes room-bath/kitchen-room modules, laundries, storage, lounge area, communications, and all other support Complies with DoD interim minimum force protection construction standard.

Air Conditioning: 175 KW Grade Mix- 144 EI-E4.

11. REQUIREMENT 1,169 RM ADEQUATE. 672 RM SUBSTANDARD. RM

PROJECT. Construct a dormitory. (Current Mission)

REQUIREMENT: A major Air Force objective provides unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The retention of these highly trained airmen is essential to our readiness posture and continuing world-wide presence. Complies with DoD interim minimum orce protection constructron standard.

<u>CURRENT SITUATION.</u> The base has insufficient on-base housing to accommodate the unaccompanied enlisted personnel. This project is in accordance with the Air Force Dormitory Master Plan

MPACT IF NOT PROVIDED: Adequate living quarters which provide a level of privacy required for today's airmen will not be available, resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel.

<u>ADDITIONAL</u>: This project meets the criteria/scope specified in the new uniform barracks standard known as one-plus-one' established by OSD. All known alternatives were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. FYOO Unaccompanied Housing RPM conducted: \$4,217K; FY01 Unaccompanied Housing RPM conducted: \$4,760K. Future Unaccompanied Housing RPM estimated: FY02: \$4,600K; FY03: \$4,260K; FY04:

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1. COMPONENT		FY 2003 MILITARY CON	NSTRUCTION PROJECT D	ATA	2. DATE
AIR FORCE		(comp	uter generated)		
3. INSTALLATION	AND LOC	ATION	4. PROJECT TITLE		
POPE AIR FORCE			DORMITORY (144 F	RM)	
			·		
5. PROGRAM ELEI	MENI		7. PROJECT NUMBER	8. PROJE	CT COST (\$000)
41896		721-312	TMKH033002		9,700
<b>\$4,220K</b> . BCE: Lt C	ol John Ca	awthome, (910) 394-256	1. Dormitory: 4,752 SM = 5	51,132 SF.	
l					
l					
l					
l					
IOINT I	JSE CEI	RTIFICATION: Mice	sion requirements, ope	rational	
			npatible with use by ot		nents.
Consider	and in al	in location are moon	apariote with about of the	compo	

1. COMPONENT AIR FORCE	FY 2003 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION	<u> </u>	
POPE AIR FORCE	BASE, <b>NORTH</b> CAROLINA	
1. PROJECT TITLE		5. PROJECT NUMBER
DORMITORY (144 F	RM)	TMKH033002
12.' SUPPLEMEN	NTAL DATA: Des	sign, Bid, Build
a. Estimated	Design Data:	3, 2, 2
(1) status		
(a) Da	te De-sign <b>Started</b>	02-APR-01
(b) Pa	rametric Cost Estimates used to develop costs	YES
. (c) Pe	rcent Complete as of Jan 02	15 %
• (d) Da	te 35% Designed.	01 -SEP-01
(e) Da	te Desrgn Complete	01 <b>-SEP-02</b>
(f) Ene	rgy Study/Life-Cycle analysis was/will be performed	YES
(2) Basis:		
(a) Sta	ndard or Definitive Design -	YES
(b) Wh	ere Design Was Most Recently Used •	POPE
(3) Total C	ost (c) = (a) + (b) or (d) + (e):	(\$000)
(a) Pro	duction of Plans and Specifications	388
(b) All	Other Design Costs	194
(c) Tot	al	562
(d) Co	ntract	485
(e) In-l	nouse	97
(4) Constru	ctton Contract Award Date	02 Nov
(5) Constru	uction Start	03 Jan
(6) Constru	action Completion	04 <b>Jul</b>
Estimate w	completion of Project Definition with Parametric Cost hich is comparable to traditional 35% design to ensure valid cost and executability.	
o. Equipment assorther appropriate	ociated with this project will be provided from ions: NA	

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1. COMPONE AIR FORCE	NT FY2	003	_	ARY CONS		ON PR	OGRAM		2. DATI	<u> </u>
3. INSTALLATION	ON AND LOC	ATION		4. COMM	AND				5 AREA	A CONST
WRIGHT PAT			BASE	AIR FOR		EDIEI	COMMAN	ND		INDEX
OHIO	- AIR	TOROL	DAOL,	AIN FOR	JE IVIA I	LNILL	COMMA	ND		1.44
6 DEDCONNE	ı DEG	RMANEN	т		CTUDE	JTC	1	CLIDDO		
<ol><li>PERSONNE STRENGTH</li></ol>	, OFF	ENL	CIV	OFF	STUDE! ENL	CIV	OFF		CIV	TOTAL
a. As of 30 S	· · · · · · · · · · · · · · · · · · ·	1		5	LINL	CIV	8		4,169	13,24
	005 2,622		3,184	3			8		4.169	12.69
D. LIIG I I	2,022	2.304					0	1 130	4.109	
				NVENTORY	DATA \$	(000)				
a. Total Acreag		8,14	5							
b. Inventory To									1,087,074	
c. Authorization		-							101,932	
d. Authorization	•		_	/EV2004					10,400	
<ul><li>e. Authorization</li><li>f. Planned in Ne</li></ul>		_	-	(F12004	I				10.400 116.400	
g. Remaining D	Ū	um 1 6018	·.						175.000	
h. Grand Total:	onolorioy.							_	1,501,206	•
3. Projects Req	uested in this	Program	· FY2003						.,	
CATEGORY	acotoa iii tiiio	riogiaiii	. 1 12000					COST	DESIGN	STATUS
CODE	PROJECT TI	TLE			SC	OPE		\$(000)	START	CMP
721-312 De	ormitory (144 l	RM)				144	RM	\$10,400	TUR	N KEY
							Total	\$10.400	_	
<b>3a</b> . Future Proje	cts: Included	in the Fo	llowina P	rogram: (F	Y2004)					
•	onsolidated Fi		•	•	·	3,319	SM	\$10.400		
100 112	orioonaatoa r ii	0,010011	1100000	Station		0,010		\$10,400	_	
3b. Future Proje	cts: Tynically I	Planned I	Vext Four	r Years			Tota	Ψ10,400		f
-	eplace West R			i i cais	ç	8,667	SM	\$8,700		
	mall Arms Rar	•			_	3.906		\$12,000		
	ter Graduate I	-				12.097		\$9,600		
	onsolidate Matacility	terials Co	mputatio	nal Resear	ch	5.813	SM	\$20,000		
311-173 Co	onsolidated Inf	ormation	Tech Cor	mplex, Ph	1	9,832	SM	\$21, <b>000</b>		
610-l 12 Co	onsolidate AFN	/IC Law	Offices			7,150	SM	\$8.600		
610-243 C	onsolidated Inf	formation	Tech Co	mplex, Ph	2 ′	10,962	SM	\$22,000		
730-773 A	dd/Alter Chape	el Activitie	es Center	•		1,300	SM	\$3.300		
822-265 R	eplace Steam	Lines/Tu	nnels Are	a B, Ph 2		1	LS	\$11.200		
c. Real Proper	ty Maintenanc	e Backlog	g This Ins	stallation					112	
10. Mission or Montrol, and dire components; As Sensors, Air Ve Air Force Secur Center; an air bairlift flight with 0	ection of reseau eronautical Systehicles. Human rity Assistance ase wing; Air F	rch, acqui stems Ce Effective Center; I	isition and nter, Air I eness, an National <i>I</i>	d logistics s Force Rese d Propulsic Aerospace	support f earch Lal on; Air Fo Intelliger	or air a coratory orce Ins nce Cer	nd space y includin stitute of T nter: Natio	weapons of weapons of weapons of weapons of weapons weapons weapons weapons on all weapons on all weapons of w	systems ar tes for Ma ; Air Force ne Operati	nd related terials, Museum; ons
I 1. Outstanding	pollution and	safety (C	OSHA) de	ficiencies:						
a. Air polluti	on								0	
b. Water pol	llution								0	
-	llution onal Safety and	d Health							0 0	

1. COMPONENT		FY 2003 MILITARY CO	NSTR	UCTION PROJECT D	ATA	2. DATE	
AIR FORCE		(comp	uter g	enerated)			
3. INSTALLATION WRIGHT PATTERS	_	CATION FORCE BASE, OHIO		4. PROJECT TITLE DORMITORY (144 R	RM)		
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7. F	ROJECT NUMBER	8. PROJEC	CT COST (\$000)	T
72896		721-312		ZHTV973211	1	10,400	
		9 COS	T ES	TIMATES			
		·			LINIT	COCT	T

ITEM	U/M	QUANTITY	UNIT COST	COST ( <b>\$000</b> )
DORMITORY (144 RM)	RM	144		7,755
DORMITORY	SM	4,752	1,616	(7,679
ANTITERRORISM FORCE PROTECTION	SM	4,752	16	(76
SUPPORTING FACILITIES COMMUNICATIONS SUPPORT UTILITIES SITE IMPROVEMENTS PAVEMENTS	LS LS LS			1,565 (115) (650) (350) (450)
SUBTOTAL				9,320
CONTINGENCY ( 5.0%)				466
TOTAL CONTRACT COST SUPERVISION, INSPECTION & OVERHEAD ( 5.7 %)				9,786 <b>558</b>
TOTAL REOUEST				10,344
TOTAL REOUEST (ROUNDED)				10.400

<sup>10.</sup> Description of Proposed Construction: A three-story facility with reinforced concrete foundation and floor slabs, masonry walls and roof. Includes room-bath/krtchen-room modules, laundry facility, storage. lounge areas, site preparation. seismic requirements and all supporting utilities. Complies with DoD interim minimum force protection constructron standard.

Air Conditioning: 195 KW Grade Mix: 144 EI-E4.

11. REQUIREMENT 620 RM ADEQUATE: 363 RM SUBSTANDARD: RM

PROJECT: Construct a dormitory. (Current Mission)

REQUIREMENT: A malor Air Force objective provides unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and Important jobs these people must perform. The retention of these highly trained airmen is essential to our readiness posture and continuing world-wide presence. Complies with DoD interim minimum orce protectron construction standard.

**CURRENT SITUATION:** The base has insufficient on-base housing to accommodate the unaccompanied enlisted personnel. This project is in accordance with the Air Force Dormitory Master Plan,

MPACT IF NOT PROVIDED: Adequate living quarters which provide a level of privacy required for today's airmen will not be available, resulting in degradation of morale, productivity, and career satistactron for inaccompanied enlisted personnel.

ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks construction itandard, known as 'one-plus-one', established by OSD. All known alternatives were considered during the levelopment of this project. No other option could meet the mission requirements. Therefore, no economic inalysis was needed or performed. FY2000 Unaccompanied Housing RPM Conducted: \$660K. FY2001 Jnaccompanied Housing RPM Conducted: \$563K. Future Unaccompanied Housing RPM requirements

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1. COMPONENT	EV 2003 MILITARY CON	ISTRUCTION PROJECT DA	TA 2. DATE
AIR FORCE		ter generated)	Z. DATE
3. INSTALLATION AND		4. PROJECT TITLE	
	AIR FORCE BASE, OHIO	DORMITORY (144 RI	M)
5. PROGRAM ELEMEN	NT 6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)
72896	721-312	ZHTV973211	10.400
(estimated): FY02: <b>\$41</b> 2 6214. Dormitory: 4,750	2K; FY03: \$370K; FY04: \$270F SM = 51,132 SF. Design Build	<ol> <li>Base Civil Engineer: Mr</li> <li>Design Build Cost (4% of</li> </ol>	Gary Johnson, (937) <b>257-</b> Subtotal Cost): <b>\$372,000</b> .
IOINEE LIG		ai an an an an ing ar a ar a	
	E CERTIFICATION: Mis ions and location are incor		
Considerati	ions and iocation are incol	inpation with use by Ot	nei components.

Previous editions are obsolete Page No

1. COMPONENT AIR FORCE	FY 2003 MILITARY CONSTRUCTION PROJECT I	DATA	2. DATE
1	(computer generated)		l
3. <b>INSTALLATION</b> A			
PROJECT TITLE	ON AIR FORCE BASE, OHIO		5. PROJECT <b>NUMBE</b>
DORMITORY (144 F	RhI)		ZHTV973211
12. SUPPLEMEN		D	esign Build
a. Estimated	Design Data:		
(1) Project	to be accomplished by design-build procedures		
(2) Basis:			
` '	ndard or <b>Definitive</b> Design -		NO
(b) Wh	ere Design Was Most Recently Used -		
(3) Design	Allowance		280
(4) Constru	action Contract Award Date		02 <b>No</b> v
(5) Constru	uction Start		03 Jan
(6) Constru	uction Completion		05 Jan
(7) Energy	Study/Life-Cycle analysis was/will be performed		YES
other appropriatio	ns: N/A		

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AIR FORCE	FY2	003		RY CONS		ON PRO	OGRAM		2. DATE	<u> </u>
3. INSTALLATION A	ND LOC	ATION		4. COMM	AND				5. AREA	CONST
LACKLAND AIR FO	RCE BA	SE, TEXA	\S	AIR EDU		AND T	RAINING		1	INDEX ).82
6. PERSONNEL	PFR	MANENT	- '		STUDE	NTS		SLIPP	ORTED	
STRENGTH	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 Sep 0				88	6,395		62	1,756	25	19.801
	1,730		4,920	60	6,226		62	1,756	25	19.571
	,			IVENTORY		(000)		,		
a. Total Acreage		2,753			Σ/ ψ	(000)				
b. Inventory Totals a	s of: 30	•							604.290	
c. Authorization Not	Yet In Inv	entory:							22.811	
d. Authorization Req		-							18,500	
e. Authorization Incl		_	_	i: (FY2004	1)				15.900	
f. Planned in Next Fo	•	am Years	:						78.100	
g. Remaining Deficient. h. Grand Total:	ency:							_	526,510 1.266.111	
3. Projects Requester	d in this	Drogram:	EVANA						1.200.111	
CATEGORY	u III IIIIS	Piograffi.	F 1 2003					COST	DESIGN S	STATUS
	JECT TI	TLE			SC	OPE		\$(000)	START	CMP
721-312 Student	Dormitor	y (200 R	M)			200		18,500	APR 01	AUG 02
							Total \$	18,500		
la. Future Projects: I	ncluded i	n the Fol	lowing P	rogram. (F	Y2004)					
721-312 Dormito	ry (200 F	RM)				200	RM \$	\$15,900		
							Total \$	15,900	_	
3b. Future Projects:	Typically F	Planned N	lext Four	Years						
141-456 Informa	ation Ope	rations Ce	enter (Al	<b>A</b> )		3,315	SM	\$8,800		
141-786 Consoli	idate Mob	ility Cent	er				ON4 6			
	idata Cna		0.			9.985	SIVI \$	14,000		
		=	/laintenar	nce Facility	/	1	SM	\$3,000		
	lunitions (	Staging/Ir	/laintenar		/	1 1	SM SM	\$3,000 \$5,400		
721-312 Dormito	lunitions ( ory (100 F	Staging/Ir RM)	/laintenar		/	1 1 100	SM SM RM	\$3,000 \$5,400 \$10,700		
721-312 Dormito 721-312 Dormito	lunitions ( ory (100 F ory (200 F	Staging/Ir RM) RM)	//aintenar	Facility	′	1 1 100 200	SM SM RM \$	\$3,000 \$5,400 \$10,700 \$17.800		
721-312 Dormito 721-312 Dormito 730-835 Consol	lunitions ( ory (100 F ory (200 F idate Sec	Staging/Ir RM) RM)	//aintenar	Facility	/	1 100 200 3,065	SM SM RM SM	\$3,000 \$5,400 \$10,700 \$17.800 \$7.600		
721-312 Dormito 721-312 Dormito 730-835 Consol 740-674 Fitness	lunitions ( ory (100 F ory (200 F idate Sec Center	Staging/Ir RM) RM) curity Ford	Maintenar nspection ces Oper	Facility		1 100 200 3,065 3,206	SM SM RM SM SM	\$3,000 \$5,400 \$10,700 \$17.800 \$7.600 \$5,300		
721-312 Dormito 721-312 Dormito 730-835 Consol 740-674 Fitness	lunitions ( ory (100 F ory (200 F idate Sec Center	Staging/Ir RM) RM) curity Ford	Maintenar nspection ces Oper	Facility		1 100 200 3,065	SM SM RM SM SM	\$3,000 \$5,400 \$10,700 \$17.800 \$7.600		
721-312 Dormito 721-312 Dormito 730-835 Consol 740-674 Fitness 740-884 Constru 3c. Real Property Ma	lunitions ( ory (100 F ory (200 F idate Sec Center oct Child I	Staging/Ir RM) RM) curity Ford Development Backlog	Maintenar  nspection  ces Oper  ent Cente	Facility ations r Ph 2 Of	3	1 100 200 3,065 3,206 2,500	SM SM RM \$ RM \$ SM SM	\$3,000 \$5,400 \$10,700 \$17.800 \$7.600 \$5,300 \$5,500	78	
721-312 Dormito 721-312 Dormito 730-835 Consol 740-674 Fitness 740-884 Constru  3c. Real Property Ma IO. Mission or Major	lunitions ( pry (100 F pry (200 F didate Sec Center oct Child I mintenance Function	Staging/Ir RM) RM) curity Ford Developme Backlog s: A train	Maintenar  nspection  ces Oper  ent Cente  This Ins  ing wing	Facility rations r Ph 2 Of stallation which inclu	3 udes Bas	1 100 200 3,065 3,206 2,500	SM SM RM \$ RM \$ SM SM SM	\$3,000 \$5,400 \$10,700 \$17.800 \$7.600 \$5,300 \$5,500	, Air Force	
721-312 Dormito 721-312 Dormito 730-835 Consol 740-674 Fitness 740-884 Constru 3c. Real Property Ma	lunitions ( iry (100 F iry (200 F idate Sec Center ict Child I intenance Function ecurity fo inguage In ir-America	Staging/Ir RM) RM) curity Ford Developme e Backlog s: A train rces. cryp astitute Er an Air For	Maintenar nspection ces Oper ent Cente This Ins ing wing otographic nglish Lar ces Acad	rations  r Ph 2 Of  stallation  which include maintenance anguage Ce	3 udes Bas ance, rec	1 100 200 3,065 3,206 2,500 sic Militaruiting,	SM SM RM SM SM SM SM SM ary Training and Air For the of Defen	\$3,000 \$5,400 \$10,700 \$17.800 \$7.600 \$5,300 \$5,500 g School ce and I se Milita	, Air Force Navy food s ry Working	ervice Dog
721-312 Dormito 721-312 Dormito 730-835 Consol 740-674 Fitness 740-884 Constru  3c. Real Property Ma IO. Mission or Major Forces Center, and s courses; Defense Lar Fraining Agency; Inte	Junitions ( Juny (100 F Juny (200 F Juny (	Staging/Ir RM) RM) Cevelopme Backlog S: A train rces. cryp stitute Er an Air For ce medica	Maintenar nspection ces Oper ent Cente This Ins ing wing otographic nglish Lar ces Acadal center.	r Ph 2 Of stallation which include maintenanguage Cedemy; an A	3 udes Bas ance, rec	1 100 200 3,065 3,206 2,500 sic Militaruiting,	SM SM RM SM SM SM SM SM ary Training and Air For the of Defen	\$3,000 \$5,400 \$10,700 \$17.800 \$7.600 \$5,300 \$5,500 g School ce and I se Milita	, Air Force Navy food s ry Working	ervice Dog
721-312 Dormito 721-312 Dormito 730-835 Consol 740-674 Fitness 740-884 Constru  3c. Real Property Ma IO. Mission or Major -orces Center, and s courses; Defense Lar fraining Agency; Integuadron, and a major	Junitions ( Juny (100 F Juny (200 F Juny (	Staging/Ir RM) RM) Cevelopme Backlog S: A train rces. cryp stitute Er an Air For ce medica	Maintenar nspection ces Oper ent Cente This Ins ing wing otographic nglish Lar ces Acadal center.	r Ph 2 Of stallation which include maintenanguage Cedemy; an A	3 udes Bas ance, rec	1 100 200 3,065 3,206 2,500 sic Militaruiting,	SM SM RM SM SM SM SM SM ary Training and Air For the of Defen	\$3,000 \$5,400 \$10,700 \$17.800 \$7.600 \$5,300 \$5,500 g School ce and I se Milita	, Air Force Navy food s ry Working	ervice Dog
721-312 Dormito 721-312 Dormito 730-835 Consol 740-674 Fitness 740-884 Constru  3c. Real Property Ma IO. Mission or Major Forces Center, and s courses; Defense Lar fraining Agency; Integuadron, and a major 1. Outstanding pollur	lunitions ( ary (100 F ary (200 F didate Sec Center act Child I chintenance Function ecurity for anguage In ar-America ar Air Forcetion and sec	Staging/Ir RM) RM) Cevelopme Backlog S: A train rces. cryp stitute Er an Air For ce medica	Maintenar nspection ces Oper ent Cente This Ins ing wing otographic nglish Lar ces Acadal center.	r Ph 2 Of stallation which include maintenanguage Cedemy; an A	3 udes Bas ance, rec	1 100 200 3,065 3,206 2,500 sic Militaruiting,	SM SM RM SM SM SM SM SM ary Training and Air For the of Defen	\$3,000 \$5,400 \$10,700 \$17.800 \$7.600 \$5,300 \$5,500 g School ce and I se Milita	, Air Force Navy food s ry Working oital and tra	ervice Dog
721-312 Dormito 721-312 Dormito 730-835 Consol 740-674 Fitness 740-884 Constru  3c. Real Property Ma IO. Mission or Major Forces Center, and s courses; Defense Lar fraining Agency; Inte quadron, and a major 1. Outstanding pollur a. Air pollution	Junitions (1) Juny (100 Find 100 Find 1	Staging/Ir RM) RM) curity Ford Developme Backlog s: A train rces. cryp stitute Er an Air Ford ce medical safety (OS	Maintenar nspection ces Oper ent Cente This Ins ing wing otographic nglish Lar ces Acadal center.	r Ph 2 Of stallation which include maintenanguage Cedemy; an A	3 udes Bas ance, rec	1 100 200 3,065 3,206 2,500 sic Militaruiting,	SM SM RM SM SM SM SM SM ary Training and Air For the of Defen	\$3,000 \$5,400 \$10,700 \$17.800 \$7.600 \$5,300 \$5,500 g School ce and I se Milita	, Air Force Navy food s ry Working bital and tra	ervice Dog

1. COMPONENT	F	2003 MILITARY CON	ISTRU	JCTION	PROJECT DA	TA 2	2. DATE			
AIR FORCE		(compu	ter ge	enerated)						
3. INSTALLATION A	ND LOCA	TION		4. PROJECT TITLE						
LACKLAND AIR FOF	RCE BASE	, TEXAS	STUDEN	IT DORMITOR	RY (200 RM)					
5. PROGRAM ELEM	ENT 6	. CATEGORY CODE	7. PF	ROJECT	NUMBER	8. PROJECT	. PROJECT COST (\$000)			
85796		721-312	M	IPLS003	284B	18,500				
	l.	9 COST	ESTI	MATES						
	ITE	:M	U/N	QUANTITY	UNIT COST	COST ( <b>\$00</b> 0)				
STUDENT DORMITOR	RY (200 R	LM)	RN	200		13.39				
DORMITORY			SM	9,750	1,340	(13.06				
TRAINING MANAGER SPACE					162	1,225	(19			
ANTITERRORISM	FORCE P	ROTECTION		SM	9,912	2 13 (1				
SUPPORTING FACIL	.ITIES						3,37			
UTILITIES				LS			(56			
PAVEMENTS/ SITE	IMPROV	EMENTS		LS			(1,20			
PIER FOUNDATION	N			LS			(40			
DEMOLITION				SM	8,100	100	(81			
ASBESTOS ABATE	MENT			SM	8.100	50	(40			
SUBTOTAL							16,76			
CONTINGENCY ( 5.	0 %)						83			
TOTAL CONTRACT (							17.60			
SUPERVISION. INSPI	ECTION &	OVERHEAD ( 5.7 %)					1,004			
TOTAL REQUEST							18,60			
TOTAL REQUEST (ROUNDED)						1	18,50			

10. Description of Proposed Construction. Three-story facility with reinforced concrete foundation and floor slab, masonry walls and standing seam metal roof. Includes room-bath-room modules (two students per room), training manager areas. laundry, storage. lounge areas, and all other support. Complies with DoD interim minimum force protectron constructron standard. Demolish a facility (8.100 SM).

Air Conditioning: 450 KW Grade Mix: 400 E1-E4

11. REQUIREMENT: 1.472 RM ADEQUATE: 525 RM SUBSTANDARD: 700 RM

PROJECT: Construct a student dormitory. (Current Mission)

REQUIREMENT: A major Air Force objective provides unaccompanied enlisted personnel with housing conducive to their proper rest. relaxation, and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complex and Important jobs these people perform The retention of these highly trained airmen is essential to our readiness posture and continuing world-wide presence. Complies with DoD interim minimum force protection construction standard.

<u>CURRENT SITUATION.</u> The base has insufficient on-base housing to accommodate the unaccompanied enlisted technical training students. This project is in accordance with the Air Force Dormitory Master Plan.

IMPACT IF NOT PROVIDED: Adequate living quarters will continue to be unavailable resulting in degradation of morale, productivity, and overall training effectiveness of these students.

ADDITIONAL: The new OSD standard does not apply to housing constructed for technical training students. This project is being designed to the Air Force technical training design standard. An economic analysis has been prepared comparing the alternatives of new constructron, revitalization, and status quo operation. Based on

DD FORM 1391, Dec 76 Previous editions are obsolete. Page No. 130

1. COMPONENT		FY 2003 MILITARY CONSTRUCTION PROJECT DATA							
AIR FORCE		(computer generated)							
3. INSTALLATION&ND LOCATION  LACKLAND AIR FORCE BASE, TEXAS  4. PROJECT TITLE  STUDENT DORMITORY (200 RM)									
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7. P	ROJECT NUMBER	8. PROJEC	CT COST (\$000)			
85796		721-312	N	MPLS003284B		18.500			
efficient over the life Unaccompanied Ho (estimated): FY02:	the net present values and benefits of the respective alternatives, new constructron was found to be the most co: efficient over the life of the project. FYOO Unaccompanied Housing RPM conducted: \$5,046K, FY01 Unaccompanied Housing RPM conducted: \$4,000K. Future Unaccompanied Housing RPM requirements (estimated): FY02: \$2,500K; FY03: \$2,000K; FY04: \$1,000K. Base Civil Engineer: Lt Col Gordon Green, (210 to 71-2977. Student Dormitory: 9.750 SM = 104,910 SF; Training Managers Area: 162 SM = 1,744 SF.								

JOINT USE CERTIFICATION: Mission requirements, operational Considerations and location are incompatible with use by other components.

Page No.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	1	2. DATE
AIR FORCE	(computer generated)		
3. INSTALLATION A	AND LOCATION		•
LACKLAND AIR FO	RCE BASE, TEXAS		
4. PROJECT TITLE		5. PR	OJECT NUMBER
STUDENT DORMI	TORY <b>(200</b> RM)	M	PLS003284B
12.' SUPPLEMEN	NTAL DATA: De	esign, Bid	l, Build
a. Estimated	Design Data:		
(1) Status			
	te Design Started		10-APR-01
` '	rametric Cost Estimates used to develop costs		YES
	rcent Complete as of Jan 02		35 %
, ,	te 35% Designed.		10-SEP-01
` ,	te Design Complete		10-AUG-02
` ,	ergy Study/Life-Cycle analysis was/will be performed		NO
(2) Basis:	3, ,		
(a) Sta	andard or Definitive Design -		YES
(b) Wh	ere Design Was Most Recently Used -		LACKLAND
1	Cost (c) = (a) + (b) or (d) + (e):		(\$000)
` '	oduction of Plans and Specifications		740
(b) All	Other Design Costs		370
(c) Tot	al		1,110
(d) Co	ntract		930
(e) In-	house		180
(4) Constru	uctron Contract Award Date		02 Nov
(5) Constru	uctron Start		03 Jan
(6) Constru	uctron Completion		05 Jan
Estimate w	completion of Project Definition with Parametric Cost hich is comparable to traditional 35% design to ensure valid cost and executability.	d	
b. Equipment ass other appropria	ociated with this project will be provided from tions: NA		

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1. COMPO		FY2	003		RY CONS		ON PRO	OGRAM		2. DATE	· -	
3. INSTALL	ATION A	ANDLOC	ATION	(00)	4. COM	<del></del>	<del></del>			E ADEA	CONST	
SHEPPARI				Δς		ICATION	AND 7	LD VIVING	<u>.</u>		5. AREA CONST COST INDEX	
OHE! TAN		OHOL BA	OL, TEX		COMMA		AND		7 		).95	
6. PERSON	,	PEF	MANEN	T		STUDE	NTS		SUPP	ORTED		
STRENG	тн	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL	
a. As of 30	Sep 01	588	2,696	2,653	371	4,040		13	7   1.792	129	12,406	
b. End FY	2005	572	2,438	2,661	380	3,918		13	7   1.792	129	12.027	
				7. 10	VENTOR	Y DATA	\$(000)			_		
a. Total Acre	eage		5,719	9	-							
b. Inventory	Totals a	s of: 30	Sep 01							565,655		
1	c. Authorization Not Yet In inventory:											
d. Authorization Requested In this Program: 16,000												
e. Authoriza			_	-	i: (FY200	4)				33,355		
1. Planned in Next Four Program Years: 77,195												
									207,684			
h. Grand To				<del></del>				<del></del>		899,889	<del></del>	
8. Projects R	equeste	d in this F	rogram:	FY2003					COST	DESIGN S	STATUS	
CATEGORY CODE	PRO	DJECT TI	TLE			SC	OPE			START	CMP	
171-212		Γ Flight S					2.217	SM	\$6,000	JAN 01	SEP 02	
721-312 Dormitory (144 RM)							144	RM	\$10,000	MAY 01	SEP 02	
								Total	\$16,000	<del>-</del>		
9a. Future P	roiects:	Included i	n the Fol	lowing P	rogram: (	FY2004)						
149-962		DN/Contro		Ü	· .	,	2,366	SM	\$11,355			
721-312		ory (160 i						R M	\$22.000			
721 012	00	0.7 (100 1	(IVI)				100		\$33.355	_		
9b. Future Pi	rojects:	Typically	Planned N	Next Four	Voare			Total	ψ33.333			
171-627		• •			t Facility		7,120	SM	\$16,695			
721-312		ory (140 F			,		140		\$18.400			
721-312		ory (140 F					140	RM	\$17.800			
721-312		ory (160 F	,				160	RM	\$23,000			
842-245		ıct Auxilia	,	Service			2.515	LM	\$1,300			
9c. Real Pro	perty Ma	aintenance	e Backloo	This Ins	stallation	-				40		
10. Mission						ole for airc	raft ma	intenanc	e civil end			
comptroller, a train US and Reserve Con	and héal NATO p	th science il <b>ots</b> unde	courses the Eur	: a flying o-NATO	training w	ving with T	Γ-37/T-	38/AT-38	flying train	ning squadr		
11. Outstand					iciencies:			<del></del>	<del></del>	<del></del>		
a. Air pol	ution									175		
b. Water	b. Water pollution 350											
c. Occupa	ational S	Safety and	Health							0		
										-		

1. COMPONENT		FY 2003 MILITARY CONSTRUCTION PROJECT DATA 2. DATE						
AIR FORCE		(computer generated)						
3. INSTALLATION								
SHEPPARD AIR FORCE BASE, TEXAS DORMITORY (144 RM)								
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7. F	PROJECT	NUMBER	8. PROJECT COST (\$000)		
85796		721-312	VNVP023004				10.000	
		9 COS	r EST	IMATES				

ITFM	U/N	QUANTITY	UNIT COST	COST (\$000)
DORMITORY (144 RM)	RN	144		7.594
DORMITORY	SM	4,752	1.582	(7.518:
ANTITERRORISM FORCE PROTECTION	SM	4.752	16	(761
SUPPORTING FACILITIES UTILITIES	LS			1.462 (550)
PAVEMENTS	LS			(500)
SITE IMPROVEMENTS	LS			(300
COMMUNICATIONS	LS			(112
SUBTOTAL				9,056
CONTINGENCY ( 5.0%)				453
TOTAL CONTRACT COST				9,508
SUPERVISION, INSPECTION & OVERHEAD ( 5.7 %)				542
TOTAL REQUEST				10,050
TOTAL REQUEST (ROUNDED)				10,000

10. Description of Proposed Constructron: A three-story facility with reinforced concrete foundation and floor slabs masonry walls and sloping metal roof. Includes room-bath-room modules, kitchens, laundries, storage and lounge areas, utilities, parking and all other supporting facilities. Complies with DoD Interim minimum force protection construction standard.

Air Conditioning: 360 KW Grade Mix: 144 EI-E4

11. REQUIREMENT 583 RM ADEQUATE: 252 RM SUBSTANDARD: RM

PROJECT: Construct a dormitory (144 RM) (Current Mission).

<u>REQUIREMENT:</u> A major Air Force objective provides unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation, and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the Increasingly complicated and Important fobs these people must perform. The retention of these highly trained airmen is essential to our readiness posture and continuing world-wide presence. Complies with DoD interim minimum force protection construction standard.

<u>CURRENT SITUATION</u> The base has Insufficient on-base housing to accommodate the unaccompanied enlisted personnel. This project is in accordance with the Air Force Dormitory Master Plan.

IMPACT IF NOT PROVIDED: Adequate living quarters which provide a level of privacy required for today's airmen will not be available, resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. "

ADDITIONAL: This project meets the scope/criteria specified in the new uniform barracks construction standard, known as 'one-plus-one.' established by OSD. All known alternatives were considered during the development of this project. No other option could meet mission requirements. Therefore no economic analysis was needed or performed. FYOO Unaccompanted Housing RPM Conducted. \$3,266K; FY01 Unaccompanted Housing RPM Conducted: \$3,088K. Future Unaccompanied Housing RPM requirements (estimated): FY02:

1. COMPONENT		FY 2003 MILITARY CC	MICTO	ICTION DROJECT DA	. <del>Τ</del> Λ	2. DATE
AIR FORCE				enerated)	NIA.	Z. DATE
			a.o. g			
3. INSTALLATION : SHEPPARD AIR FO				4. PROJECT TITLE DORMITORY (144 R	M)	
SHEFFARD AIR TO	JNOL DA	DL, TLXAS		BORWING (TTT IX	141)	
5. PROGRAM ELEI	MENT	6. CATEGORY CODE	7. P	ROJECT NUMBER	8. PROJE	CT COST (\$000)
85796		721-312		VNVP023004		10,000
\$2,474K; FY03: \$2,5	598K; FY	04: <b>\$2,728K</b> . Base Civil	Engin	eer: Lt Col Hal M. <b>Tin</b>	sley, (904) 6	76-2158.
DORMITORY: 4,75	2 SIVI = 5°	1,132 <b>SF</b>				
l						
1017	TIGE C		· ·	•		
		ERTIFICATION: M				
Consid	erations	and location are inc	compa	itible with use by o	tner comp	onents.

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION	AND LOCATION	•
SHEPPARD AIR FO	DRCE BASE, TEXAS	
4. PROJECT TITLE		5. PROJECT <b>NUMBER</b>
DORMITORY (144 F	RM)	VNVP023004
121 SUPPLEMEN	NTAL DATA: Desi	ign, Bid, Build
a. Estimated	Design Data:	
(1) Status	:	
(a) Da	te Design Started	1 O-MAY-01
(b) Pa	rametric Cost Estimates used to develop costs	YES
. (c) Pe	rcent Complete as of Jan 02	15 %
. (d) Da	te 35% Designed.	20-SEP-01
(e) Da	te Design Complete	12-SEP-02
(f) Ene	rgy Study/Life-Cycle analysts was/will be performed	YES
(2) Basis:		
(a) Sta	indard or Definitive Design -	NO
(b) Wh	ere Design Was Most Recently Used -	
(3) Total C	sost(c) = (a) + (b) or (d) + (e):	(\$000)
(a) Pro	duction of Plans and Specifications	400
(b) All	Other Design Costs	200
(c) Tot	al	600
(d) Co	ntract	500
(e) In-l	house	100
(4) Constru	uctron Contract Award Date	02 Nov
(5) Constru	uction Start	03 Jan
(6) Constru	uction Completion	04 Sep
Estimate w	completion of Project <b>Definition</b> with Parametric Cost hich is comparable to traditional 35% design to ensure valid cost and executability.	
b. <b>Equipment</b> assorther appropria	ociated with this project will be provided from tions: NA	

DD FORM 1391 c. DEC 76 Page No 1.36

1. COMPONENT	FY 200	3 MILITARY CONS	TRUCT	ION F	PROJECT DAT	-A I	2. DATE
AIR FORCE			ter gene				
3. INSTALLATION SHEPPARD AIR FO	AND RCE BAS	LOCATION 4. E, TEXAS	1	)JECT IJJPT	TITLE FLIGHT SIMU	JLATOR	
5. PROGRAM ELI	EMENT	3. CATEGORY CODE	7. PR	OJEC	T NUMBER	8. PROJEC	T COST (\$000)
84744 171-212 V					1004		6.000
		9. COS	T ESTIMA	TES			
	ГЕМ	U/M	QUANTITY	UNIT COST	COST (\$000)		
ENJJPT FLIGHT SIMULATOR					2.217		4,399
FLIGHT SIMULAT	OR			SM	2.217	1,964	(4.354)
ANTITERRORISM	FORCE	PROTECTION		SM	2.217	20	(44)
SUPPORTING FACI	ILITIES						944
UTILITIES				LS			(350)
PAVEMENTS				LS			(345
SITE IMPROVEMI	ENTS			LS			(249
SUBTOTAL							5,343
CONTINGENCY ( 5	5.0 %)						267
TOTAL CONTRACT	COST						5.610
SUPERVISION, INSP	PECTION	& OVERHEAD ( 5.7 %)	)				320
TOTAL REQUEST							5,929
TOTAL REQUEST (	ROUNDE	0)					6.000
EQUIPMENT FROM	OTHER	APPROPRIATIONS					(29,700

10. Description of Proposed Construction: Single story with concrete foundation/slab, masonry walls, structural steel frame/roof, utilities, and parking to support T-38C and T-6A Aircrew Training Devices (ATDs). Provides office, classrooms, briefing rooms, contractor support, labs, storage and other support. Comply with DoD interim minimum force protection construction standard

Air Conditioning: 200 KW

11. REQUIREMENT: 2,936 SM ADEQUATE: 719 SM SUBSTANDARD SM

PROJECT. Construct a Euro-NATO Joint Jet Pilot Training (ENJJPT) flight simulator facility. (New Mission)

REQUIREMENT: Adequately configured and sized facility to support T-38C and T-6A flight simulator operations. Simulator support for the T-38C ATDs will consist of four (4) Weapon System Trainers (WSTs), two (2) Operational Flight Trainers (OFTs) and four (4) Unit Training Devices (UTDs). T-6A ATDs will consist of three(3) OFTs, four (4) Instrument Flight Trainers (IFTs) and three UTDs. Includes adequate space for Contractor Logistics Support (CLS). training information management server, and student study area. Comply with DoD interim minimum force protection construction standard.

CURRENT SITUATION: Flight simulator operations are currently being performed in a 719 SM facility constructed in 1961. Trainers are stationary (LINK) modules for T-37 and T-38A aircrew development. The existing facility is not adequate to support the new T-38C and T-6A simulators. Deficiencies Include size, ceiling neight, floor loading capabilities and configuration. Timing is the most critical aspect of this project. The T-38C ransition begins at Sheppard AFB in September 2005. with the first flight simulators arriving in March 2005. T-38A training will continue throught March 2007, driving the requirement for having concurrent operations of both T-38A and T-38C simulators. Like- wise, T-6A transition begins in June 2007, with the first simulator arriving in July 2007. T-37 training will continue through March 2008, driving the requirement for having concurrent operations of both T-37 and T-6A simulators.

MPACT IF NOT PROVIDED: Failure to fund and complete this project will severely limit aircrew training apabilities of the 80th Flying Training Wing and Eure-NATO Joint Jet Pilot Training at Sheppard. Contractural commitments for the beddown of new aircraft and upgrade of existing inventory will not be kept,

**TUDITIONAL** 

1. COMPONENT		FY 2003 MILITARY CO	ATA	2. DATE		
AIR FORCE		(comp				
3. INSTALLATION						
SHEPPARD AIR F						
5. PROGRAM ELE	EMENT	6. CATEGORY CODE	7. P	ROJECT NUMBER	8. PROJECT COST (\$000)	
84744		171-212		VNVP033004		6.000

This project meets the **criteria/scope** specified in Air Force Handbook **32-1084**, **Facility** Requirements.' An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operations. New construction was found to be the most cost efficient over the life of the project. The US and other NATO nations will share the total project cost based on participation in the ENJJPT program. Base Civil Engineer: Lt Col William Martin, (940) 676-2158. Flight Simulator Facility: 2.217 SM = 23,855 SF

JOINT USE CERTIFICATION: This facility will be Jointly funded and used by US and other NATO nations participating in joint ENJJPT training.

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1. COMPONENT  AIR FORCE	FY 2003 MILI	TARY CONSTRUCTION (computer generated)		2. DATE					
3. INSTALLATION	AND LOCATION	(John John Gollerand)	·						
SHEPPARD AIR FORCE <b>BASE</b> , TEXAS									
I. PROJECT TITLE				5. PROJECT NUMBER					
ENUPTFLIGHTSIN	<b>JULATOR</b>			VNVP033004					
12. SUPPLEMEN	NTAL DATA:		Desig	gn, Bid, Build					
a. Estimated	d Design Data:								
(1) status	:								
` ,	ite Design Started			20-JAN-01					
, ,	•	tes used to develop co	sts	YES					
` ,	ercent Complete as o	•		15 <b>%</b>					
` ,	te 33% Designed.			20-SEP-01					
` ,	te Design Complete			15-SEP-02					
		analysis was/will be pe	rformed	YES					
(2) Basis:									
(a) Standard or Definitive Design -									
(b) Wh	nere Design Was Mos	t Recently Used -							
(3) Total C	Cost (c) = (a) + (b) or	(d) + (e):		(\$000)					
(a) Pro	oduction of Plans and	Specifications		360					
(b) All	Other Design Costs			180					
(c) Tot	al			540					
(d) Co	ntract			440					
(e) In-	house			100					
(4) Constru	uction Contract Award	I Date		02 Nov					
(5) Constru	uction Stan			03 Jan					
(6) Constru	uction Completion			04 Apr					
Estimate w		Definition with Parame traditional 35% design .							
control ther appropriation		ct will be provided from	1						
EQUIPMEN NOMENCLATU		PROCURING APPROPRIATION	FISCAL YEA APPROPRIAT OR REQUES	ED COST					
FLIGHT TRAININ	G SIMULATORS	3010	2004	22800					
FLIGHT TRAININ	G SIMULATORS	3010	2003	6900					

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	1								<u> </u>	
1. COMPONENT AIR FORCE	FY2	003		RYCONS ter gener		ONPRO	OGRAM		2. DATE	
3. INSTALLATION A	AND LOC	ATION		4. COMN	/AND				5. AREA	CONST
LANGLEY AIR FOR	RCE BAS	E, VIRGIN	AIA	AIR COM	ИВАТ СС	MMAN	ID		COST	INDEX
									(	0.95
6. PERSONNEL	PER	MANENT	•		STUDE	NTS		SUPP	ORTED	
STRENGTH	. OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 Sep 01	1,939	6,555	1.930				32	110	252	10.818
b. End FY 2005	1.951	6,823	1.904				32	110	252	11,072
			7. IN	VENTOR	Y DATA \$	(000)				
a. Total Acreage: 3.152										
b. Inventory Totals as of. 30Sep 01 309,516										
c. Authonzatron Not		•							24,548	
·	d. Authorization Requested In this Program: 47.940									
e. Authonzatron Included In Following Program: (FY2004) 19.500										
f. Planned in Next Four Program Years 45,100										
g. Remaining Deficie	incy							_	91.500	
h. Grand Total:	.1 AL:-	D	E\/2002						538.104	
3. Protects Requested	d in this	Program:	FY2003					COST	DESIGN S	STATUS
CATEGORY PRO	JECT TI	ΓLE			SC	OPE			START	CMP
113-321 F-22 Infrastructure and Utilities 1 LS \$10,700									MAY 01	SEP 02
171-212 F-22 Flight Simulator 2.025 SM \$8.120									MAY 01	SEP 02
211-175 F-22 Squadron Operations/AMU 7.481 SM \$20,800								APR 01	SEP 02	
	ory (96 RM	•				96	RM	\$8.320	TUR	NKEY
							Total	\$47,940	_	
a. Future Protects: In	ncluded In	the Follo	wing Pro	ogram (1	FY2004)					
141-454 Operati	ons Supp	ort Cente	r			5.575	SM	\$19,500		
,							Total	\$19,500	_	
b. Future Protects: T	vpically F	Planned N	ext Four	Years						
	Pnmary P				18	37.135	SM	\$12.000		
113-321 Repair	West Par	king Apro	n		11	0.883	SM	\$13.300		
721-312 Dormito	ry (96 RN	И)				96	RM	\$7,200		
'21-312 Dormito	ory (96 RM	A)				96	RM	\$7.000		
²40-253 Commi	unity Supp	ort Cente	er			2,985	SM	\$5,600		
c. Real Property Ma	intenance	Backlog <sup>*</sup>	This Inst	allation					86	
0. Mission or Major	Functions	: Headqua	arters Air	Combat	Command	; a figh	nter <b>wing</b> w	ith three	F-15 fighter	•
quadrons; an airlift f										e and
leconnaissance Cen Coordination Center	ter (AC2I	SRC), Dei	acnment	of the US	AF Doctn	ne Cer	nter; and th	e Air Foi	rce Rescue	
1. Outstanding pollu	tion and s	safety (OS	SHA) defi	ciencies-						
a. Air pollution									0	
b Water pollution									81,000	
c. Occupational S	Safety and	Health							3.300	
d. Other Environn	•								0	
!										

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA 2. DATE						
AIR FORCE	(computer generated)						
			PROJECT TITLE  OORMITORY (96 RM)				
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT				CT COST (\$000)			
27596	27596 <b>721-312</b> MU			JHJ033000		8.320	
		9 COST	ESTIM	ATES		<b>-</b>	
	ı	TEM		U/N	QUANTITY	UNIT	COST ( <b>\$000</b> )
DORMITORY (96 R	DORMITORY (96 RM)			RM	96		5,139
ANTITERRORISM	FORCE	PROTECTION		LS			(51)
DORMITORY			SM	3.168	1.606	(5.088)	
SUPPORTING FACILITIES UTILITIES			LS			2.363 (952	
PAVEMENTS				LS			(541
SITE IMPROVEMENTS			LS			(102	
DEMOLITION			LS			(177	
ENVIRONMENTAL REMEDIATION SPECIAL FOUNDATIONS			LS			(341 (250	
SUBTOTAL							7.502
CONTINGENCY ( 5.0 %)						375	
FOTAL CONTRACT COST SUPERVISION, INSPECTION 8 OVERHEAD ( 5.7 %)						7,877 449	
FOTAL REQUEST							8.326
'OTAL REQUEST (ROUNDED)						8.320	
		-,					3.320

0. Description of Proposed Construction: Reinforced concrete foundation 8 floor slabs, Insulated exterior nasonry walls, sound attenuation, and sloped roofs. Includes lounge areas, balconies, bedrooms, semi-private laths, centralized storage, laundry room, utility room, communication requirements, fire protection systems, parking area, and all support facilities. Comply with DoD interim minimum construction standards.

Air Conditioning: 200 KW Grade Mix: 96 El-E4.

11. REQUIREMENT: 1,493 RM ADEQUATE: 861 RM SUBSTANDARD: RM

PROJECT: Construct a dormitory. (Current Mission)

<u>REQUIREMENT:</u> A major Air Force objective provides unaccompanned enlisted personnel with housing conducive to their proper rest, relaxation, and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The retention of these highly trained airmen is essential to our readiness posture and our continuing world-wide presence. Complies with DoD Interim minimum orce protection construction standard.

<u>CURRENT SITUATION:</u> The base has insufficient on-base housing to accommodate the unaccompanied enlisted personnel. This project is in accordance with the Air Force Dormitory Master Plan.

MPACT IF NOT PROVIDED: Adequate living quarters which provide a level of privacy required for today's irrnen will not be available. resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel.

<u>ndDITIONAL:</u> This project meets the criteria/scope specified in the new uniform barracks standard, known as one-plus-one,' established by OSD. All known alternatives were considered during the development of this

1. COMPONENT	FY 2003 MILITARY CON	NSTRUCTION PROJECT DA	TA 2. DATE				
AIR FORCE	· .						
3. INSTALLATION&ND LOCATION 4. PROJECT TITLE							
ANGLEY AIR FORCE BASE, VIRGINIA DORMITORY (95 RM)							
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)				
27596	721-312	MUHJ033000	` '				
27596  roject. No other option could performed. FY00 Unaccompar Conducted: \$3,938K. Future \$2,985K; FY04: \$3,1 OOK. Bask, 088 SF. Design Build - Design Buil	I meet the mission requir nied Housing RPM Cond Unaccompanied Housing ase Civil Engineer: Lt Co	ements. Therefore, no econ ucted: \$5,110K; FY01Unac g RPM requirements (estima I Drew Jeter, (757) 764-202	ated): FY02: \$3,150K; FY03:				
		ssion requirements, oper mpatible with use by ot					

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1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DA	ATA	2. DATE	
AIR FORCE	(computer generated)		]	
3. INSTALLATION AND	DLOCATION			
ILANGLEY AIR FORCE	BASE, VIRGINIA			
4. PROJECT TITLE	5.	PROJECT <b>NUMBE</b>		
DORMITORY (96 RM)			MUHJ033000	
12. SUPPLEMENTA	L DATA:	Desig	n Build	
a. Estimated De	esign Data:			
(1) Project to	be accomplished by design-build procedures			
(2) Basis:			NO	
` '	(a) Standard or Definitive Design -			
(b) Where	e Design Was Most Recently Used -			
(3) Design Al	lowance		228	
(4) Construction		02 <b>Oct</b> 02 <b>Dec</b>		
(5) Construction	(5) Construction Start			
(6) Constructi	(6) Construction Completion			
(7) Energy Sto	udy/Life-Cycle analysis was/will be performed		YES	
lb. Equipment associa other appropriations:	ated with this project will be provided from			

C )D FORM 1391. Apr 01 Page No 143.

[									
1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA 2. DATE						2. DATE		
AIR FORCE	(computer generated)								
3. INSTALLATION AND LOCATION 4.				4. PRO	4. PROJECT TITLE				
LANGLEY AIR FORCE BASE, VIRGINIA F-				F-22 Fl	F-22 FLIGHT SIMULATOR				
5. PROGRAM ELEMENT   6. CATEGORY CODE   7. PROJECT NUMBER   8. PROJECT COST					T COST (\$000)				
27219		171-212		1			, ,		
	j			TIMATES	5003	8.120			
						UNIT	COST		
	ľ	TEM		U/N	QUANTITY	COST	(\$000)		
F-22 FLIGHT SIMU	ILATOR			SM	2,025		4.327		
FLIGHT SIMULA	TOR			SM	2.025	2.127	(4,307		
ANTITERRORISM	FORCE	PROTECTION		SM	2.025	10	(20		
SUPPORTING FAC	CILITIES						2.983		
UTILITIES/PAVEMENTS/SITE IMPROVEMENTS				LS			(1,118		
CONTAMINATED SOIL REMEDIATION			LS			(510			
DEMOLITION(BLDG, FOUNDATION, PAVEMENT)			LS			(358			
SPECIAL FOUNDATION			SM	2.024	179	(362			
FACILITY SECURITY			LS			(300'			
RECLAIMED AREA SURCHARGE				LS			(335)		
SUBTOTAL							7.311		
CONTINGENCY ( 5.0 %)							366		
TOTAL CONTRACT COST							7,676		
SUPERVISION. INSPECTION & OVERHEAD ( 5.7 46)							438		
TOTAL REQUEST							8,114		
TOTAL REQUEST (ROUNDED)							8.120		
EQUIPMENT FROM OTHER APPROPRIATIONS						(38,000)			
					1				

10. Description of Proposed Construction: Special foundations, brick faced masonry block walls, standing seam netal roof, secure work areas, fire suppression/detection, HVAC, utilities, site work, landscaping, parking, contaminated soil abatement, demolition of one facility (762 SM), pavement and underground structures, access road and traffic signal. Includes minimum DoD interim force protection standards.

Air Conditionrng: 130 KW

11. REQUIREMENT: 2,025 SM ADEQUATE: SM SUBSTANDARD: SM

PROJECT: Construct a F-22 flight simulator facility. (New Mission)

REQUIREMENT: An adequately sized and configured Flight Simulator Training Facility is required to support the beddown of the first operational F-22 combat coded Wing. The Fighter Wing is scheduled to receive four F-22 Full Mission Trainers (FMTs), support equipment and personnel. The state- of-the-art FMTs are planned for delivery and installation nine months prior to the first aircraft delivery in Nov 04. Force protection complies with he DoD interim minimum standards.

**CURRENT SITUATION:** The base does not have adequate facilities to support the installation of four F-22 -MTs. The existing simulator is used for the current weapon system and must be retained in an operational raining configuration until the F-22 beddown is complete. The base is scheduled to transition from the three current fighter squadrons to three F-22 fighter squadrons over a three year period beginning in Nov 04. Due to significant changes in technology, the size of the new trainers, security and other unique features, the existing acility cannot support the new system.

MPACT IF NOT PROVIDED: Without this facility, the base will be unable to receive and install the four F-22 FMTs to support F-22 operations. In addition, pilots and maintainers will not receive critical F-22 training, thus mpacting readiness and proficiency. The lack of this facility could result in significant degradation in operational

Previous editions are obsolete. Page No. 1

1. COMPONENT AIR FORCE	į		ISTRI	ICTION PROJECT DA	TA	2. DATE			
	(computer generated)								
3. INSTALLATION AND LOCATION 4. PROJECT TITLE									
LANGLEY AIR FORCE BASE, VIRGINIA  F-22 FLIGHT SIMULATOR									
			[						
5. PROGRAM ELE	RAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$0								
27219		171-212		MUHJ033005		8.120			
ADDITIONAL: Requirements'. A poperational requirements	This project reliminary and the contract of th	potential for a serious mish meets the criteria/scope analysis of reasonable opertificate of exception has Simulator: 2,025 SM = 2	e spec otions s beer	ified <b>In A</b> ir Force Han- was done and indicate n prepared. Base Civil	es only one	34, 'Facility option meets the			
IOINT I	USE CEF	RTIFICATION: Miss		equirements, operable with use by oth					

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1. COMPONENT AIR FORCE	FY 2003 MILIT	TARY CONSTRUCTION (computer generated)			2. DATE
3. INSTALLATION	AND LOCATION	(00.1 paid. go.10.200)	'		
	CE BASE, VIRGINIA				
4. PROJECTT	·			5. PR0	OJECTNUME <b>ER</b>
F-22 <b>FLIGHT</b> SIMUL	ATOR			•	JHJ033005
40. 011771.51451					
12. SUPPLEMEN			Desi	gn, Bid,	Build
a. Estimated	Design Data:				
(1) Status:					
(a) Dat	te Design Started				22-MAY-01
(b) Par	ametric Cost Estimat	es used to develop co	sts		YES
	rcent Complete as of	•			15 %
. (d) Dat	te 35% Designed.				17-SEP-01
(e) Dat	te Design Complete				02-SEP-02
(f) Enei	rgy Study/Life-Cycle a	analysis was/will be pe	rformed		YES
(2) Basis:					
(a) Sta	ndard or Definitive De	esign -			NO
(b) Who	ere Design Was Most	Recently Used -			
(3) Total Co	<b>ost</b> (c) = (a) + (b) or	(d) + (e):			(\$000)
(a) Pro	duction of Plans and	Specifications			492
(b) All (	Other <b>Design</b> Costs				246
(c) Tota	al				736
(d) Cor	ntract				636
(e) In-h	nouse				103
(4) Constru	ctron Contract Award	Date			02 Nov
(5) Constru	iction Stan				03 Jan
(6) Constru	ction Completron				<b>04</b> Apr
Estimate wh		Definition with Parame traditional 35% design			
b Equipment assorther appropriation		ct will be provided from			
EQUIPMEN <sup>-</sup> NOMENCLATU		PROCURING APPROPRIATION	FISCAL YEA APPROPRIAT OR REQUES	ED	COST ( <b>\$000</b> )
SIMULATORS		3010	2003		36000
GIWOLATORS		3010	2003	•	30000

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1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA 2. DATE						
AIR FORCE		(compu	ter ge	enerated)	)		
3. INSTALLATION				_	JECT TITLE	Ļ	
LANGLEY AIR FOR	RCE BASE	, VIRGINIA		F-22 IN	IFRASTRUCTU	RE AND UT	ILITIES
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7. P	ROJECT	NUMBER	8. PROJEC	T COST (\$000)
27219		113-321	N	MUHJ033	3006		10.700
		9 COST	EST	MATES		_	_
	Γ	TEM		U/M	QUANTITY	COST	COST ( <b>\$</b> 000)
F-22 INFRASTRUC	TURE ANI	O UTILITIES		LS			6,593
AIRCRAFT PARK	ING APR	ON		SM	34,848	137	(4,774)
UPGRADE SEWE	ER SYSTE	EM		LS			(1819)
SUPPORTING FAC	_						3.082
FIRE PROTECTION		NI/COMM DUOTO		LS			(401)
DEMOLITION (PA		DN/COMM DUCTS		LS	24.040	40	(260)
RAMP LIGHTING	AVENIENT	3)		LS	34.848	42	(1,464)
FLIGHTLINE SEC	CURITY			LS			(250)
CONTAMINATED	SOIL AB	ATEMENT		LS			(607)
SUBTOTAL							9.675
CONTINGENCY (	5.0 %)						484
TOTAL CONTRACT COST							10,159
SUPERVISION. INSPECTION & OVERHEAD ( 5 7 %)							579
TOTAL REQUEST							10.738
TOTAL REQUEST (	(ROUNDED	0)					10.700

10. Description of Proposed Construction: Upgrade Infrastructure and utility systems to Include: new pump station with reservoir and distribution systems, concrete encased communication duct banks. flightline security, upgrade electrical distribution grid, sewer main and lift station, airfield pavements, ramp lighting, landscaping, and est and abate contaminated soil In the way of constructron.

## 11. REQUIREMENT: As required

PROJECT: Add to. alter, and repair infrastructure and utility systems in support of the F-22 beddown. (New Mission)

REQUIREMENT: Adequate utilities and infrastructure properly sized and configured are required to support the hree phase F-22 beddown and associated MILCON projects in FY03/04. This beddown increases the demand in existing utility and infrastructure systems beyond current capacity. Upgrades, replacement and/or repairs to existing fire protection, power, water, sewage, pavements, and flightline security systems are required for the protection, maintenance and operations of the F-22 Weapons System. This project supports FY03 F-22 MILCON projects for the stand-up of the second operational squadron. Delivery of aircraft for the second squadron is scheduled to begin Feb 06. Personnel and equipment will arrive Jul 05 to prepare facilities for aircraft delivery and establish maintenance procedures. This project is required in the same fiscal year as the two FY03 ompanion MILCON protects to construct an F-22 Squadron Operations/AMU Facility and an F-22 Flight simulator Facility.

CCORDANCE With National Fire main and pump systems are not sized to protect mission aircraft in ccordance with National Fire Protection Agency (NFPA) and life safety codes. Elements of the utility systems re old and unreliable. Since the MILCON projects are adjacent to IRP sites, upgrades, replacement and/or xtension of utility systems will run through contaminated soil and will require testing and abatement. In addition, ccess roads and airfield pavements will be cut/trenched to support utility installations.

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1. COMPONENT	1	FY 2003 MILITARY CON	ISTRU	JCTION PROJECT DATA		2. DATE
AIR FORCE		(comput	ter g	enerated)		
3. INSTALLATION	AND LOC	CATION		4. PROJECT TITLE		
ANGLEY AIR FOF	RCE BASE	. VIRGINIA		F-22 INFRASTRUCTURE AN	ND UT	TILITIES
. PROGRAM ELE	MENT	6. CATEGORY CODE	7. P	ROJECT NUMBER 8. PR	OJEC	T COST (\$000)
27219	(	113-321	Į.	MUHJ033006 .		10.700
	OVIDED:			MILCON projects will not be	comple	
and will impact F-2 <b>ecurity</b> systems (fe	2 operatio ences, entr rt sustained	nal and maintenance pro- y control points and lightid operations at the base.	cedur ing). a	es. Existing utility systems, In and fire protection systems will base will be noncompliant in the	ıfrastru I be ι	cture, flightline indersized and
Requirements*. All could meet the mis	known alto sion requir	ernatives were considered	durii onomi	ied in Air Force Handbook 32 ng the development of this pr c analysis was needed or per Jeter. (757) 764-2025.	oject,	No other option
utility at thi	/infrast	ructure project an	d do	his is an installation oes not qualify for joi nts on this installation		

1. COMPONENT FY 2003 MILITARY CONSTRUCTION PROJECT	DATA 2. DATE
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
LANGLEY AIR FORCE BASE, VIRGINIA	
i. PROJECT TITLE 22 INFRASTRUCTURE AND UTILITIES	5. PROJECT <b>NUMBE</b>
*22 IN NASTROCTORE AND UTILITIES	MUHJ033006
12. SUPPLEMENTAL DATA:	Design, Bid, Build
a. Estimated Design Data:	
(1) status:	00 1111/ 01
(a) Date Design Started	09-MAY-01
(b) Parametric Cost Estimates used to develop costs	YES
(c) Percent Complete as of Jan 02	15 %
(d) Date 35% Designed.	20-SEP-01
(e) Date Design Complete	02-SEP-02
(f) Energy Study/Life-Cycle analysis was/will be performed	NO
(2) Basis:	
(a) Standard or <b>Definitive</b> Design -	NO
(b) Where Design Was Most Recently Used -	
(3) Total Cost (c) = (a) + (b) or(d) + (e):	(\$000)
(a) Production of Plans and Specifications	646
(b) All Other Design Costs	324
(c) Total	972
(d) Contract	637
(e) In-house	135
(4) Constructron Contract Award Date	02 <b>Dec</b>
(5) Construction Stan	03 Feb
(6) Constructron Completion	04 Oct
<ul> <li>Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditronal 35% design to ensure scope and cost and executability.</li> </ul>	valid
Equipment associated with this project will be provided from other appropriations: N/A	

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1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA 2. DATE							
AIR FORCE	ORCE (computer generated)							
3. INSTALLATION	AND LOC	CATION		4. PRO	JECT TITLE	•		
LANGLEY AIR FOR	RCE BASE	E. VIRGINIA		F-22 S0	QUADRON OP	ERATIONS/A	AMU Li	
5. PROGRAM ELE	MENT	6. CATEGORY CODE	7. F	ROJECT	NUMBER	8. PROJEC	T COST (\$000)	
27219		211-175		MUHJ03:	3004		20.800	
		9. COS	T EST	IMATES				
	I	TEM		U/	QUANTITY	UNIT	COST ( <b>\$000</b> )	
F-22 SQUADRON (	PERATIO	DNS/AMU		SI	7.481		10.542	
SMALL ACFT M.	AINTENAN	ICE DOCK		SI	4,250	1,296	(5,508:	
SQUADRON OP	ERATIONS	S FACILITY		St	2,641	1,424	(3.761;	
FLIGHT KITCHE	N			St	590	2,068	(1.220)	
ANTITERRORISM	FORCE	PROTECTION		Lt			(53)	
SUPPORTING FAC	ILITIES						8,246	
UTILITIES/PAVEMENTS/SITE IMPROVEMENTS				LS			(4.000)	
RELOCATE AGE FUEL STATION/DEMOLITION				LS			(2.405)	
SOIL/ASBESTOS REMEDIATION/ABATEMENT				LS			(813)	
SPECIAL FOUND	DATIONS/S	SECURITY		LS			(1,028)	
SUBTOTAL							18.788	

IO. Description of Proposed Construction: Special foundations and pilings, brick faced masonry block walls, standing seam metal roof, secure work areas, fire suppression/detection, environmental controls, contaminated soil remediation, asbestos abatement, demolish three facilitie(4.201 SM), utilities, pavements, and relocate AGE uel station. Includes mınımum DoD interim force protectron standards,

Air Conditioning: 130 KW

CONTINGENCY (5.0%)

TOTAL CONTRACT COST

TOTAL REQUEST (ROUNDED)

TOTAL REQUEST

SUPERVISION. INSPECTION 8 OVERHEAD (5.7 %)

11. REQUIREMENT: 7,481 SM ADEQUATE: SM SUBSTANDARD: SM

PROJECT: Construct a F-22 squadron operations/aircraft maintenance unit facility. (New Mission)

REQUIREMENT: A consolidated Squadron Operations and Maintenance facility is required to beddown the F-22 aircraft. The state-of-the-an technology and composite materials used to meet stealth mission criteria require pecialized maintenance and repair procedures that must be accomplished in a secure, climate controlled work environment. This project supports personnel and equipment arrival in Jul 05 to prepare facility for aircraft lelivery in Feb 06. Delivery preparations begin in Jul 05 to establish maintenance procedures, complete security accreditation, install data automation systems, computerized maintenance diagnostic equipment, furniture, phone ınd other appurtenances. The project site requires remediation of contaminated soil. The Flight Kitchen eplaces the function currently operating in the hangar scheduled for demolition. Force protection will comply vith DoD interim minimum standards.

CURRENT SITUATION: The base lacks adequate facilities to conduct squadron level maintenance and perations for the F-22 mission. Over the last ten years the Air Force has experienced significant restructuring of s combat wings. These changes shifted roles and responsibilities for maintarning and operating aircraft. The najority of aircraft maintenance was realigned from logistics to operations where the maintenance personnel rork for the operational flying squadrons. Operational squadrons are required to work, train, deploy and fight as idependent squadrons from home station. These changes have Impacted the operational efficiency of fighter quadrons and will be severely exaggerated with the beddown of the F-22. Current squadron operations and

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939 19,727

1,124

20,852

20,800

1. COMPONENT		FY 2003 MILITAR	2. DATE					
AIR FORCE								
3. INSTALLATION LANGLEY AIR <b>FO</b>		AND LOCATION  4. PROJECT TITLE  F-22 SQUADRON OPERA					'AMU	
5. PROGRAM ELE	MENT	6. CATEGORY	CODE	7. P	ROJECT NUMBER	8. PROJEC	CT COST (\$000)	
27219		211-175		1	MUHJ033004		20.800	

maintenance facilities are geographically separated, under-sized, in poor condition, and are not configured properly to support the high operations tempo demanded of fighter squadrons. The existing hangars are over 70 years old and are also in very poor condition. Hangar doors do not operate properly, roofs leak, lead paint and asbestos are present, lighting is substandard, mechanical and electrical systems are inadequate, exterior masonry walls are deteriorating, and fire protection and secunty systems are non-existent. In addition to their poor condition, the hangars are Inadequately sized and improperly configured to accommodate the wider F-22 without violating safety criteria. The hangars do not comply with required safety distance clearances of the current aircraft. The severity of the safety clearance issue is compounded with the introduction of the larger F-22 aircraft.

IMPACT IF NOT PROVIDED: Adequate facilities will not be available to perform essential maintenance and repair of F-22 aircraft. Operational squadrons will be undersized and geographically separated from their maintenance functions creating operational deficiencies. In addition, the potential to compromise security ncreases with a fragmented operation. Since there are no acceptable work arounds, high risk solutions will be mplemented that will impact ACC's operational capabilities and violate safety criteria.

ADDITIONAL: The project meets the criteria and scope outlined in Air Force Handbook 32-1084, 'Facility Requirements'. A preliminary analysis of reasonable options was done and indicates only one option meets operational requirements. A certificate of exception has been prepared. Base Civil Engineer: Lt Col Drew Jeter, (757) 764-2025. Squadron Operations Facility: 2,641 SM = 28.417 SF; Small Aircraft Maintenance Dock: 4,250 SM = 45,730 SF; Flight Kitchen: 590 SM = 6,348 SF).

JOINT USE CERTIFICATION: Mission requirements, operational Considerations and location are incompatible with use by other components.

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AIR FORCE (computer generated)  B. INSTALLATION AND LOCATION  ANGLEY AIR FORCE BASE, VIRGINIA  PROJECT TITLE	<u> </u>
ANGLEY AIR FORCE BASE, VIRGINIA	
	5. PROJECT NUME
-22 SQUADRON OPERATIONS/AMU	MUHJ033004
12. SUPPLEMENTAL DATA:	Design, Bid, Build
a. Estimated Design Data:	
(1) Status:	
(a) Date Design Started	23-APR-
(b) Parametric Cost Estimates used to develop costs	YE
. (c) Percent Complete as of Jan 02	15
(d) Date 35% Designed.	18-SEP-0
(e) Date Design Complete	11 -SEP-0
(f) Energy Study/Life-Cycle analysis was/will be performed	YE
(2) Basis:	
(a) Standard or Definitive Design -	N
(b) Where Design Was Most Recently Used -	
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000
(a) Productton of Plans and Specifications	1.260
(b) All Other Design Costs	630
(c) Total	1,890
(d) Contract	1.575
(e) In-house	315
(4) Constructton Contract Award Date	02 <b>De</b>
(5) Constructton Start	03 Fe
(6) Constructron Completion	04 <b>O</b> d
<ul> <li>Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure scope and cost and executability.</li> </ul>	valid
e. Equipment associated with this project will be provided from ther appropriations: <b>WA</b>	

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1. COMPONENT AIR FORCE	. Mil										
3. IESTALIATIO					ROJECT TI SIFIRD NI	TLE LCON PROJECT					
5. PROGRAM ELI 34111	OCCUPT	6. CATEGORY CODE 999-999		72030	MUMBER 0003	8. PROJECT	COST (\$000)				
		9. <b>COS</b>	t esti	U/M	QUANTITY	UNIT	COST (\$000)				
CLASSIFIED MIL SUPPORTING FAC				LS			1,993				
BUBTOTAL							1,993				
TOTAL CONTRACT	COST						1,993				
POTAL REQUEST							1,993				
TOTAL REQUEST											

LO. Description of Proposed Construction:

11. REQUIREMENT: LS ADEQUATE: IA SUBSTANDARD: LS

ROJECT: A8 required.

EQUIREMENT: Special access required.

1. COMPONENT		FY 2003 MILITARY CO	NSTE	RUCTION	N F	PROJECT DAT	ГА	2. DATE
AIR FORCE	(compu	enerate	d)					
					Ε	PROTECTION		OLICTURE
5. PROGRAM ELEMEN		6. CATEGORY CODE	7			IES/UTILITIES		CT COST (\$000)
27596		721-315		HACC			0. 1110020	23,000
27596			T FC	STIMATE	_	2001		23,000
	ľ	9. 003	L	υ/		QUANTITY	UNIT COST	COST (\$000)
OPERATIONS/SUPPORT	FA	CILITIES		L	S			16,450
DORMITORIES (120 F	RM)			E	4	10	1,200,000	0 (12,000
DINING FACILITY				L	S			(1200
HQ FACILITY				L:	S			(800
CIVIL ENGINEER FA	CILIT	Υ		LS	3			(800
TRANSPORTATION N	/AIN	TENANCE		LS	6			(850
FITNESS CENTER				LS	3			(800
SUPPORTING FACILITIE	ES							4,108
UTILITIES				LS				(3,200
PAVEMENTS				LS	6			(900
SUBTOTAL								20,550
CONTINGENCY ( 5.0 %)							1,028	
TOTAL CONTRACT COST SUPERVISION, INSPECTION & OVERHEAD (6.5 %)							21,578 <b>i</b> 1,40d	
TOTAL REQUEST		(0.0 %	,					22.980
FOTAL REQUEST (ROU	NDE	D)						23.000

10. Description of Proposed Construction: Construct pre-engineered facilities with associated electrical, water, sanitary and storm distribution systems, base roads, and parking.

## 11. REQUIREMENT: As required

PROJECT: Construct facilities with associated utilities and infrastructure. (Current Mission)

REQUIREMENT: Provide adequate force protection for U.S. personnel and the facilities where they live and vork, USCENTCOM OPORD 97-01A requires a 600' standoff distance from any inhabitable facility to the nearest poundary. It also requires an 80' separation between any two primary gathering facilities. As a result of the ecent terrorist attacks on New York and the Pentagon, we have determined these vulnerabilities warrant mmediate action to reduce the risk to personnel. Facilities are to be constructed within a secure area created vhen the host nation provided additional acreage for U.S. operations.

CURRENT SITUATION: The existing compound is located on a 23 acre parcel designated by the host. This parcel is located directly adjacent to the perimeter security fence. Current stand-off distances from the perimeter ence average 200', well below the required 600' stand-off. In some cases, the stand-off distance is only 54'. In me case, the vehicle maintenance area and operations compound are completely unprotected from blast iffects. The small size of the compound has necessitated a distance between primary gathering facilities of less nan the required 80' stand-off. In many situations living quarters are separated by less than 20' because of the onfined compound. The host nation has recently provided U.S. forces with additional acreage, totalling 85 cres, to place operational and support facilities so they are within the prescribed secure and protected stand-off istances. The host has also constructed a perimeter fence with a secure entry control point.

MPACT IF NOT PROVIDED: The increased risk to personnel, facilities and equipment will remain high. Standff distances established to protect resources will not be met. Operations and support functions must continue

Page No. !

1. COMPONENT	FY 2003 MILITARY CONSTRUCTION PROJECT DATA						2. DATE	
AIR FORCE		(computer generated)						
3. INSTALLATION AND LOCATION  4. PROJECT TITLE FORCE PROTECTION FACILITIES/UTILITIES					-	RUCTURE		
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJE				ROJECT	NUMBER	8. PROJEC	CT COST (\$000)	
27596		721-315 HACC032001						23,000
l								

day-lo-day operations in confined spaces.

ADDITIONAL: This **project** meets the criteria/scope specified in Air Force Handbook 32-I 084, 'Facility Requirements' and USCENTCOM OPORD **97-01A**. Base civil engineer: LtCol Davrd Nelson, (803) 8954352.

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 equipment.

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