AIR NATIONAL GUARD

Fiscal Year (FY) 2010 BUDGET ESTIMATES



MILITARY CONSTRUCTION
APPROPRIATION 3830
PROGRAM YEAR 2010

Justification Data Submitted to Congress

May 2009

DEPARTMENT OF THE AIR FORCE AIR NATIONAL GUARD MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2010

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SUMMARY PROJECT LIST AIR NATIONAL GUARD MILITARY CONSTRUCTION PROGRAM -- FY 2010

<u>STATE</u>	INSTALLATION AND PROJECT	AUTH/APPN AMOUNT (\$000)	PAGE NO.
Arizona	Davis-Monthan (AFB) TFI - Predator Beddown - Full Operational Capability (FOC) Sub-Total Arizona	5,600 5,600	II-1
California	Southern California Logistics Airport (SCLA) TFI - Predator Beddown - Flight Training Unit (FTU)/LRE Site Sub-Total California	8,400 8,400	II-4
Hawaii	Hickam (AFB) TFI - F-22 LO/Composite Repair Facility TFI - F-22 Parking Apron and Taxiways Sub-Total Hawaii	26,000 7,000 33,000	II-7 II-10
Maine	Bangor (IAP) Replace Aircraft Maintenance Hangar and Shops Sub-Total Maine	28,000 28,000	II-13
Maryland	Andrews (AFB) Replace Munitions Maintenance and Storage Complex Sub-Total Maryland	14,000 14,000	II-16
Nebraska	Lincoln (MAP) Joint Forces Operations Center - ANG Share Sub-Total Nebraska	1,500 1,500	II-20
Ohio	Mansfield Lahm Airport TFI - RED HORSE Squadron Beddown Sub-Total Ohio	11,400 11,400	II-23
Oklahoma	Will Rogers World Airport TFI-Air Support Operations Squadron Beddown Sub-Total Oklahoma	7,300 7,300	II-26
	SUB-TOTAL ALL BASES	109,200	
	PLANNING AND DESIGN	10,061	II-29
	UNSPECIFIED MINOR CONSTRUCTION	9,000	II-31
	SUB-TOTAL SUPPORT COSTS	<u>19,061</u>	
	GRAND TOTAL	128,261	

NEW MISSION/CURRENT MISSION EXHIBIT AIR NATIONAL GUARD MILITARY CONSTRUCTION PROGRAM -- FY 2010

LOCATION	PROJECT	COST (\$000)	CURRENT/ NEW/ENV
Davis-Monthan (AFB), AZ	TFI - Predator Beddown - FOC	5,600	N
South California Logistics Airport, CA	TFI - Predator Beddown - FTU/LRE Site	8,400	N
Hickam (AFB), HI	TFI - F-22 LO/Composite Repair Facility TFI - F-22 Parking Apron and Taxiways	26,000 7,000	N N
Bangor International Airport, ME	Replace Aircraft Maintenance Hangar and Shops	28,000	C
Andrews (AFB), MD	Replace Munitions Maintenance and Storage Complex	14,000	C
Lincoln Municipal Airport, NE	Joint Forces Operations Center - ANG Share	1,500	C
Mansfield Lahm Airport, OH	TFI - RED HORSE Squadron Beddown	11,400	N
Will Rogers World Airport, OK	TFI - Air Support Operations Squadron Beddown	7,300	N
	PLANNING AND DESIGN	10,061	
	UNSPECIFIED MINOR CONSTRUCTION	9,000	
	TOTAL ENERGY TOTAL ENVIRONMENTAL TOTAL NEW MISSION (6) TOTAL CURRENT MISSION (3)	0 0 65,700 43,500	
	GRAND TOTAL - FY 2010 REQUEST	128,261	

DEPARTMENT OF THE AIR FORCE AIR NATIONAL GUARD MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2010

CECTION I
SECTION I

APPROPRIATIONS LANGUAGE

For construction, acquisition, expansion, rehabilitation, and conversion of facilities for the training and administration of the Air National Guard, and contributions therefore, as authorized by Chapter 1803 of Title 10, United States Code, and Military Construction Authorizations Acts, \$128,261,000 to remain available until September 30, 2014.

SPECIAL PROGRAM CONSIDERATIONS

Environmental Compliance

The environmental compliance projects proposed in this program are necessary to correct current environmental noncompliance situations and to prevent future noncompliance.

Flood Plain Management and Wetland Protection

Proposed land acquisitions, disposals, and installation construction projects have been planned in accordance with the requirements of Executive Orders 11988, Flood Plain Management, and 11900, Protection of Wetlands. Projects have been sited to avoid long and short-term adverse impacts, reduce the risk of flood losses, and minimize the loss, or degradation of wetlands.

Design for Accessibility of Physically Handicapped Personnel

In accordance with Public Law 90-480, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

Preservation of Historical Sites and Structures

Facilities included in this program do not directly or indirectly affect a district, site, building, structure, object, or setting listed in the National Register of Historic Places, except as noted on the DD Form 1391s.

Environmental Protection

In accordance with Section 102(2) (c) of the National Environmental Policy Act of 1969 (PL 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in the Military Construction Program.

Economic Analysis

Economics are an inherent aspect of project development and design of military construction projects. Therefore, all projects included in this program represent the most economical use of resources.

SPECIAL PROGRAM CONSIDERATIONS (continued)

Reserve Manpower Potential

The reserve manpower potential to meet and maintain authorized strengths of all reserve flying/non-flying units in those areas in which these facilities are to be located has been reviewed. It has been determined, in coordination with all other Services having reserve flying/non-flying units in these areas, that the number of units of the reserve components of the Armed Forces presently located in those areas, and those which have been allocated to the areas for future activation, is not and will not be larger than the number that reasonably can be expected to be maintained at authorized strength considering the number of persons living in the areas who are qualified for membership in those reserve units.

Potential Use of Vacant Schools and Other State and Local Facilities

The potential use of vacant schools and other state and local owned facilities has been reviewed and analyzed for each facility to be constructed under this program.

Construction Criteria Manual

Unless otherwise noted, the projects comply with the scope and design criteria prescribed in Part II of Military Handbook 1190, "Facility Planning and Design Guide."

DEPARTMENT OF THE AIR FORCE AIR NATIONAL GUARD MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2010

SECTION II	

PROJECT JUSTIFICATION DATA

1. COMPONENT	FY 2010 MILITARY CONSTRUCTION PROJECT DATA				2. DATE	
		(comp	uter generat	ed)		
ANG						MAY 2009
3. INSTALLATION	3. INSTALLATION AND LOCATION 4. PROJECT TITLE					
DAVIS MONTHAN AIR FORCE BASE, ARIZONA TFI - PREDATOR BEDDOWN					WN - FOC	
5. PROGRAM ELEM	ENT 6	6. CATEGORY CODE	Y CODE 7. PROJECT NUMBER 8. PROJE		ECT COST(\$000)	
53219F		141-753	FBNV069124			\$5,600

9. COST ESTIMATES								
			UNIT	COST				
ITEM	U/M	QUANTITY	COST	(\$000)				
PREDATOR OPERATIONS AND TRAINING FACILITY	SM	1,580		4,415				
SQUADRON OPERATIONS AREA	SM	1,115	2,594	(2,892)				
GROUND CONTROL STATION/POC/COMM AREA	SM	465	2,917	(1,356)				
ANTITERRORISM FORCE PROTECTION	SM	1,580	22	(35)				
SDD&EPACT(3% FOR LEED CERT/ENERGY CONSERV)	LS			(132)				
SUPPORTING FACILITIES	LS			622				
UTILITIES	LS			(245)				
COMMUNICATIONS SUPPORT	LS			(80)				
PAVEMENTS	LS			(100)				
STANDBY AND UNINTERRUPTIBLE POWER SUPPLY	LS			(110)				
SECURITY MEASURES	LS			(32)				
SITE IMPROVEMENTS	LS			(55)				
SUBTOTAL				5,037				
CONTINGENCY (5%)				<u>252</u>				
TOTAL CONTRACT COST				5,289				
SUPERVISION, INSPECTION AND OVERHEAD (6%)				<u>317</u>				
TOTAL REQUEST				5,606				
TOTAL REQUEST (ROUNDED)				5,600				

10. Description of Proposed Construction: Reinforced concrete foundation and floor slab. Steel framed masonry walls and roof structure, interior walls and partitions including raised floor area. Interior finishes and utilities to meet current code requirements and support functional requirements. Exterior work includes: pavements and site improvements, back-up power, uninterruptible power system, security fence with electronic access personnel gate and manual vehicular access gate. Provide antiterrorism/force protection measures as appropriate.

11. REQUIREMENT: 1,580 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM PROJECT: TFI- Predator FOC - Operations and Training Facility (New Mission)

REQUIREMENT: The Air Force has identified Davis Monthan AFB as the site for a predator operations squadron. The unit requires a properly sized and configured area to support the full operational capability (FOC) for the Arizona Predator mission. This mission requires space for one ground control station (GCS) (one plug and play deployable or one permanent equipment set); and a Predator operations center (POC). The complex requires robust and redundant communications support with connectivity to two communications switches. Allied support for installation of communication lines should include ducts to connect this facility with the base communications switch. The allocation of space within this facility is as follows: 139 SM (2,000 SF) for one ground control station (GCS), with communications switch room; 326 SM (3,000 SF) for a single orbit Predator Operations Center (POC) to support the mission operations; and 1115 SM (12,000 SF) for the squadron operations area to support squadron operations functions. The facility must have an uninterruptible power supply capability during the transfer to generator power which can take from a few seconds to a few minutes. Any surge capacity must come from deployable GCS assets being placed adjacent to the facility and an acceptance of the POC workarounds.

<u>CURRENT SITUATION</u>: A site survey indicated permanent facilities are not available. In order to meet IOC by 1st quarter 2007, and on a temporary workaround basis, within minimum IOC criteria, the

Air Conditioning: 350 KW.

1. COMPONENT		2. DATE
	FY 2010 MILITARY CONSTRUCTION PROJECT DA	ATA
ANG	(computer generated)	MAY 2009
3. INSTALLATION	AND LOCATION	
DAVIS MONTHAN A	AIR FORCE BASE, ARIZONA	
5. PROJECT TITLE		7. PROJECT NUMBER
TEL-PREDATOR BE	EDDOWN - FOC	FBNV069124

POC and the Ground Control Station have been located in building 75 and will stay there until this project is completed. The POC requires a certified SCIF area which is part of this project. The communications network on base is currently undergoing upgrades. This facility must be connected to the base switch and base service provider in such a way as to provide redundancy in the system. Predator IOC provides minimum capability with significant workarounds and is not intended as the final solution; it is only provided to establish the mission and begin training crews to accept the mission. Continued training and operational mission effectiveness are degraded until the FOC project can provide adequate, secure facilities.

IMPACT IF NOT PROVIDED: The Predator unit cannot reach full operational capability in time to support training and mission requirements for national security missions. Degraded facilities provided on a temporary basis for limited IOC capabilities will continue to deteriorate and provide limited service; this will impact training and mission effectiveness and prevent full operational capability. ADDITIONAL: The scope of this project was developed by comparing the Active Duty criteria with the ANG Handbook 32-1084 for similar squadron operations facilities and is in compliance with the base master plan. Antiterrorism/Force Protection requirements have been considered in the development of this project. All known alternatives 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. Mission requirements, operational considerations and location are incompatible with use by other components. Project will incorporate Leadership in Energy and Environmental Design (LEED) and sustainable development concepts, so as to achieve optimum resource efficiency, constructability, sustainability, and energy conservation, while minimizing adverse impacts to the built and natural environments through all phases of its life cycle. This may result in primary facility costs exceeding DoD costing standards, but the initial investment in higher acquisition cost will be rewarded with lower life cycle costs. This is consistent with the requirements of the Energy Policy Act of 2005 (EPAct05) and Executive Order 13423.

SQUADRON OPERATIONS AREA 1,115 SM = 12,000 SF GROUND CONTROL STATION/POC/COMM AREA 465 SM = 5,000 SF

1. COMPO	ONENT	FY 2010 MILITARY CONSTRUCTION PROJECT DA'	ΓA 2.	DATE
AN	(G	(computer generated)	MA	Y 2009
		AND LOCATION	1417	11 2007
		AIR FORCE BASE, ARIZONA	7 DDOIEGE	NUMBER
5. PROJEC	IIIILE		7. PROJECT	NUMBER
TFI - PREI	DATOR BE	EDDOWN - FOC	FBNV	069124
12. SUPI	PLEMENT	TAL DATA:		
a. Estin	nated Desig	gn Data:		
	Status:	Design Started	ΛĪ	JG 2006
		etric Cost Estimates used to develop costs	AC	No
		t Complete as of Jan 2009		35%
		5% Designed	NC	V 2007
		esign Complete		EP 2009
		f Design Contract		
((g) Energy	Study/Life-Cycle analysis was/will be performed		YES
(2) [Dania.			
\ /	Basis:	rd or Definitive Design -		NO
		Design Was Most Recently Used -		NO N/A
\	(b) Where	Design was Most Recently Osed -		IV/A
(3)	Γotal Cost ((c) = (a) + (b) or (d) + (e):		(\$000)
		tion of Plans and Specifications		360
		ner Design Costs		180
	(c) Total	č		540
	(d) Contra	ct		540
((e) In-Hou	ise		
(4) (Contract Av	ward (Month/Year)	M	AR 2010
(5) (Constructio	on Start	Al	PR 2010
	~ .	~		
(6) (Constructio	on Completion	Al	PR 2011
b. Equip	oment associ	ciated with this project will be provided from other appropriation	ns:	N/A
POINT C)F CONTA	ACT: Richard G. Thomas		
I OINT C	A CONTA	(301) 836-7130		
		(, 000 / 100		

1. COMPONENT		FY 2010 MILITARY CO			OJECT DA	TA	2.	DATE
		(comp	uter generat	ed)				
ANG							M	AY 2009
3. INSTALLATION					PROJECT			
SOUTH CALIFORNI	A LO	GISTICS AIRPORT,			PREDATO	R BEDDO	OWN	- FTU/LRE
CALIFORNIA		T	T	SITE				
5. PROGRAM ELEM	ENT	6. CATEGORY CODE	7. PROJEC	ZT NUN	ABER	8. PROJ	ECT	COST(\$000)
53219F		211-111	S.C.	LA0691	65		¢ο	,400
33219F					03		фо	,400
		9. COST	ESTIMAT	ES	T			
						UN		COST
		ITEM		U/M	QUANTIT	_	ST	(\$000)
MAINTENANCE H.		AR AND SHOPS		SM	1,626			6,283
HANGAR BAY A				SM	1,115		509	(3,913)
GENERAL PURP				SM	186		509	(653)
		ANCE UNIT AREA	AT 4	SM	139		509	(488)
		CONTROL CENTER AR	KEA	SM	186	3,	509	(653)
ACCESS TAXIW		RCE PROTECTION		SM LS	1,626		22	(36) (350)
		LEED CERT/ENERGY C	ONCEDIA	LS				(190)
SUPPORTING FACE			ONSER V)	Lo				1,270
UTILITIES	1121111	20		LS				(350)
COMMUNICATION	ONS S	SUPPORT		LS				(150)
		/SITE IMPROVEMENTS	5	LS				(250)
STANDBY POWER				LS				(120)
FIRE SUPPRESSION SYSTEM SUPPORT				LS				(400)
SUBTOTAL								7,553
CONTINGENCY (5%)								<u>378</u>
TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (6%)								7,931
	SPECT	ION AND OVERHEAD ((6%)					<u>476</u>
TOTAL REQUEST							8,407	
TOTAL REQUEST ((ROUI	NDED)						8,400
ĺ				1	1	1		1

10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, steel-framed masonry walls, and sloped standing seam metal roof. Interior walls, fire protection, mechanical systems, and utilities. Provide exterior utilities, pavements, site improvements, fire protection, communications extension and support. Construct pad for mobile ground control station with connectivity to supporting center. Provide fire protection support.

Air Conditioning: 175 KW.

11. REQUIREMENT: 1,626 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM PROJECT: TFI- Predator Launch and Recovery Element (LRE) Beddown (New Mission). REQUIREMENT: The California ANG requires facilities to support Predator Flight Training Unit (FTU) operations and a training base with Launch and Recovery Element (LRE) operations. March ARB has been designated the home of the ANG Predator FTU, providing training for all ANG Predator operators. As such, it requires a location where the Predator aircraft can launch/recover; and the unit can accomplish maintenance on the Predator aircraft. The LRE/FTU site requires an adequately sized and properly configured aircraft maintenance hangarette, minimal support shops, and a field training unit launch/recovery ground control station complex properly sized to support two unmanned aerial vehicles. The facility spaces include a hangarette, with general purpose shops, aircraft maintenance unit functions, weapons release and systems management spaces and a launch/recovery cell for ground control station capabilities. The LRE requires robust and redundant communications support with connectivity to two communications switches. Communications requirements include NIPRNET. SIPRNET, JWICS, DSN, and video-link capabilities. The LRE spaces include: administrative area, latrine facilities, minor break area, controlled entry space, communications closet, and a critical Sensitive Compartmented Information Facility (SCIF) function. Southern California Logistics Airport (SCLA) is the former George AFB that was closed via BRAC '93. The property was transferred by the

1. COMPONENT		2. DATE
	FY 2010 MILITARY CONSTRUCTION PROJECT DA	ATA
ANG	(computer generated)	MAY 2009
3. INSTALLATION	AND LOCATION	
SOUTH CALIFORNI	IA LOGISTICS AIRPORT, CALIFORNIA	
5. PROJECT TITLE		7. PROJECT NUMBER
TFI - PREDATOR BE	EDDOWN - FTU/LRE SITE	SCLA069165

Air Force to an Airport Authority. The Air Force is leasing back, at nominal cost, from the Airport Authority, the minimum necessary acres to allow the construction of this detatchment. CURRENT SITUATION: The 163th RW has converted from a KC-135 Aerial Refueling mission to Predator, MQ-1 operations. The availability of FAA approved airspace for unmanned aerial vehicle (UAV) operations is at a premium. SCLA offers an opportunity to operate UAVs in California. SCLA has obtained FAA approval to operate UAV aircraft within its airspace as well as launches and recoveries. Commercial UAVs already operate from SCLA. SCLA is within driving distance to the 163th RW's main installation at March ARB, CA. By constructing these facilities at SCLA, the Predator unit in California can train Predator operators throughout the state and country on launch and recovery operations as well as range operations at Edwards AFB, and joint operations with the Marine Corps at Twenty-Nine Palms. Two site surveys at SCLA indicated that facilities are not available. Unique utilities and communications support are required. The utilities must include an electrical backup generation capability with uninterruptible power (battery/capacitor) system. Communications and allied support requires a dual path capability. SCLA has access to a communications facility with a primary service provider (currently located in what was the former George AFB communications facility). SCLA has all other airport services to support Predator operations to include: control tower, crash and recovery operations and perimeter security.

IMPACT IF NOT PROVIDED: The ANG and the Air Force will not have the facilities to support critical Predator training missions. Range and air operating capabilities will not be accessible to meet Air Force training requirements for this critical capability. Without adequate training, to be provided within these facilities, ANG Predator operators cannot perform vital national security missions in support of combatant commanders. ANG Predator mission effectiveness will be degraded. ADDITIONAL: This project meets the criteria/scope specified in Air National Guard Handbook 32-1084, "Facility Requirements" and is in compliance with the airport master plan. 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. This facility is an "inhabited" building and meets the standoff distance requirements. Mission requirements, operational considerations and location are incompatible with use by other components. Project will incorporate Leadership in Energy and Environmental Design (LEED) and sustainable development concepts, so as to achieve optimum resource efficiency, constructability, sustainability, and energy conservation, while minimizing adverse impacts to the built and natural environments through all phases of its life cycle. This may result in primary facility costs exceeding DoD costing standards, but the initial investment in higher acquisition cost will be rewarded with lower life cycle costs. This is consistent with the requirements of the Energy Policy Act of 2005 (EPAct05) and Executive Order 13423.

HANGAR BAY AREA 1,115 SM = 12,000 SF GENERAL PURPOSE SHOP AREA 186 SM = 2,000 SF AIRCRAFT MAINTENANCE UNIT AREA 139 SM = 1,500 SF LAUNCH/RECOVERY CONTROL CENTER AREA 186 SM = 2,000 SF

1 001	ONIENTE	FY 2010 MILITARY CONSTRUCTION PROJECT DAT	TA 0 DATE
1. COMF	ΓA 2. DATE		
A	MAY 2009		
3. INSTA	ALLATION	AND LOCATION	
SOUTH (CALIFORNI	IA LOGISTICS AIRPORT, CALIFORNIA	
	CT TITLE		7. PROJECT NUMBER
TFI - PRF	EDATOR BI	EDDOWN - FTU/LRE SITE	SCLA069165
	32111 011 21		50211007100
12. SU	PPLEMENT	TAL DATA:	
a. Est	imated Desig	gn Data:	
			
(1)	Status:	Design Started	JAN 2007
		etric Cost Estimates used to develop costs	No
		t Complete as of Jan 2009	35%
		5% Designed	JAN 2009
		esign Complete	SEP 2009
		f Design Contract	
		Study/Life-Cycle analysis was/will be performed	YES
(2)	Basis:		
(-)		rd or Definitive Design -	No
		Design Was Most Recently Used -	
(3)	Total Cost ((c) = (a) + (b) or (d) + (e):	(\$000)
(3)		tion of Plans and Specifications	336
		ner Design Costs	168
	(c) Total	ici Besigni costs	504
	(d) Contra	ct	504
	(e) In-Hou		
(4)		ward (Month/Year)	FEB 2010
			1 LD 2010
(5)	Constructio	on Start	MAR 2010
(6)	Constructio	on Completion	MAR 2011
b. Equ	ipment assoc	ciated with this project will be provided from other appropriation	ns: N/A
POINT	OF CONTA	ACT: Richard G. Thomas	
		(301) 836-7130	

ANG Computer generated MAY 2009	1. COMPONENT		FY 2010 MILITARY CO	NSTRUCTI	ON PRO	OJECT DA	TA	2.	DATE
ANG									
TFI - F-22 LO/COMPOSITE REPAIR	ANG		` 1		,			M	AY 2009
HICKAM AIR FORCE BASE, HAWAII	3. INSTALLATION	AND I	LOCATION		4. I	PROJECT	ΓITLE		
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000 cold) 51721F 211-159 KNMD069208 \$26,000 9. COST ESTIMATES ITEM U/M QUANITIY UNIT COST (\$000) F-22 LO/COMPOSITE REPAIR FACILITY SM 3,252 19,29 TWO-BAY LO/COMPOSITE REPAIR FACILITY SM 3,252 5,705 (18,55 ANTITERRORISM FORCE PROTECTION SM 3,252 5,705 (18,55 ANTITERRORISM FORCE PROTECTION SM 3,252 5,705 (18,55 SUPPORTING FACILITIES LS (57 SUPPORTING FACILITIES LS (97 LS (97 UTILITIES LS (97 UTILITIES LS (97 UTILITIES LS (97 LS (97 UTILITIES LS (97 SITE IMPROVEMENTS LS (96 SECURITY MEASURES LS (20					TFI - F	7-22 LO/CO	OMPOSIT	E RI	EPAIR
S1721F 211-159 KNMD069208 \$26,000	HICKAM AIR FORCE	E BAS	SE, HAWAII		FACIL	ITY			
9. COST ESTIMATES U/M QUANTITY COST (\$000)	5. PROGRAM ELEM	ENT	6. CATEGORY CODE	7. PROJEC	CT NUN	/IBER	8. PROJ	ECT	COST(\$000)
9. COST ESTIMATES U/M QUANTITY COST (\$000)									
ITEM	51721F		211-159	KNI	MD0692	208		\$26	5,000
ITEM			9. COST	ESTIMATE	ES				
F-22 LO/COMPOSITE REPAIR FACILITY							UNI	Τ	COST
TWO-BAY LO/COMPOSITE REPAIR FACILITY SM 3,252 5,705 (18,55 ANTITERRORISM FORCE PROTECTION SM 3,252 54 (17 SDD&EPACT(3%FOR LEED CERT/ENERGY CONSERV) LS (57 SUPPORTING FACILITIES LS (97 PAVEMENTS LS (81 UTILITIES LS (81 SITE IMPROVEMENTS LS (66 COMMUNICATION SUPPORT LS (80 FIRE PROTECTION SUPPORT LS (80 SECURITY MEASURES LS (26 DRAINAGE IMPROVEMENT LS (26 SUBTOTAL (23,42 (24,25 CONTINGENCY (5%) 1,17 (24,59 TOTAL CONTRACT COST 24,59 (24,59 SUPERVISION, INSPECTION AND OVERHEAD (6%) 1,47 (26,07			ITEM		U/M	QUANTIT	Y COS	ST	(\$000)
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SDD&EPACT(3%FOR LEED CERT/ENERGY CONSERV) LS (57 SUPPORTING FACILITIES LS (4,12 PAVEMENTS LS (81 UTILITIES LS (81 SITE IMPROVEMENTS LS (66 COMMUNICATION SUPPORT LS (20 FIRE PROTECTION SUPPORT LS (80 SECURITY MEASURES LS (26 DRAINAGE IMPROVEMENT LS (42 SUBTOTAL (20 (42 CONTINGENCY (5%) (1,17 (47 TOTAL CONTRACT COST (20 (42 SUPERVISION, INSPECTION AND OVERHEAD (6%) (42 (42 TOTAL REQUEST (42 (42 (42 CONTRACT COST (42 (42 (42 (42 (42 (42 (42 (42 (42 (42 (42 (42 (42 (42 (42 (42 (42 (42 (42 (42 (43 (44 (42 (42 (43 (44 (44 (44 (44 (44 (44 (44 (44 (44 (44 (44				Y		,	5,	705	(18,553)
SUPPORTING FACILITIES 4,12 PAVEMENTS LS (97 UTILITIES LS (81 SITE IMPROVEMENTS LS (66 COMMUNICATION SUPPORT LS (80 FIRE PROTECTION SUPPORT LS (80 SECURITY MEASURES LS (26 DRAINAGE IMPROVEMENT LS (42 SUBTOTAL 23,42 CONTINGENCY (5%) 1,17 TOTAL CONTRACT COST 24,59 SUPERVISION, INSPECTION AND OVERHEAD (6%) 1,47 TOTAL REQUEST 26,07					I	3,252		54	(176)
PAVEMENTS LS (97 UTILITIES LS (81 SITE IMPROVEMENTS LS (66 COMMUNICATION SUPPORT LS (20 FIRE PROTECTION SUPPORT LS (80 SECURITY MEASURES LS (26 DRAINAGE IMPROVEMENT LS (42 SUBTOTAL 23,42 (20 CONTINGENCY (5%) 1,17 (24,59 TOTAL CONTRACT COST 24,59 (24,59 SUPERVISION, INSPECTION AND OVERHEAD (6%) 1,47 (26,07 TOTAL REQUEST 26,07 (26,07	*			ONSERV)	LS				(570)
UTILITIES LS (81 SITE IMPROVEMENTS LS (66 COMMUNICATION SUPPORT LS (20 FIRE PROTECTION SUPPORT LS (80 SECURITY MEASURES LS (26 DRAINAGE IMPROVEMENT LS (42 SUBTOTAL 23,42 CONTINGENCY (5%) 1,17 TOTAL CONTRACT COST 24,59 SUPERVISION, INSPECTION AND OVERHEAD (6%) 1,47 TOTAL REQUEST 26,07		LITIE	ES						4,125
SITE IMPROVEMENTS LS (66 COMMUNICATION SUPPORT LS (20 FIRE PROTECTION SUPPORT LS (80 SECURITY MEASURES LS (26 DRAINAGE IMPROVEMENT LS (42 SUBTOTAL 23,42 (23,42 CONTINGENCY (5%) 1,17 (24,59 TOTAL CONTRACT COST 24,59 (26,07 SUPERVISION, INSPECTION AND OVERHEAD (6%) 1,47 (26,07 TOTAL REQUEST 26,07 (26,07									(975)
COMMUNICATION SUPPORT LS (20 FIRE PROTECTION SUPPORT LS (80 SECURITY MEASURES LS (26 DRAINAGE IMPROVEMENT LS (42 SUBTOTAL 23,42 (23,42 CONTINGENCY (5%) 1,17 (24,59 TOTAL CONTRACT COST 24,59 (26,07 SUPERVISION, INSPECTION AND OVERHEAD (6%) (20 (20 TOTAL REQUEST (20 (20									(810)
FIRE PROTECTION SUPPORT LS (80 SECURITY MEASURES LS (26 DRAINAGE IMPROVEMENT LS (42 SUBTOTAL 23,42 (20 CONTINGENCY (5%) 1,17 (24,59) TOTAL CONTRACT COST 24,59 (24,59) SUPERVISION, INSPECTION AND OVERHEAD (6%) 1,47 (26,07) TOTAL REQUEST 26,07 (26,07)									(660)
SECURITY MEASURES LS (26 DRAINAGE IMPROVEMENT LS (42 SUBTOTAL 23,42 CONTINGENCY (5%) 1,17 TOTAL CONTRACT COST 24,59 SUPERVISION, INSPECTION AND OVERHEAD (6%) 1,47 TOTAL REQUEST 26,07									(200)
DRAINAGE IMPROVEMENT LS (_42 SUBTOTAL 23,42 CONTINGENCY (5%) _1,17 TOTAL CONTRACT COST 24,59 SUPERVISION, INSPECTION AND OVERHEAD (6%) _1,47 TOTAL REQUEST 26,07									(800)
SUBTOTAL 23,42 CONTINGENCY (5%) 1,17 TOTAL CONTRACT COST 24,59 SUPERVISION, INSPECTION AND OVERHEAD (6%) 1,47 TOTAL REQUEST 26,07									(260)
CONTINGENCY (5%) TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (6%) TOTAL REQUEST 1.17 24,59 21,47 26,07					LS				(420)
TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (6%) TOTAL REQUEST 24,59 1,47 26,07									,
SUPERVISION, INSPECTION AND OVERHEAD (6%) TOTAL REQUEST 1,47 26,07									1,171
TOTAL REQUEST 26,07									-
	T	PECI	ION AND OVERHEAD ((6%)					
101AL KEQUEST (KOUNDED)									,
	TOTAL REQUEST (KUUI	NDED)						20,000

10. Description of Proposed Construction: Construct a two-bay F-22 LO/CRF maintenance facility. Structural steel frame with metal skin; includes hangar apron access pavement. Secure work and training areas; fire detection and suppression systems; environmental controls; utilities, pavements and parking.

Air Conditioning: 350 KW.

11. REQUIREMENT: 3,252 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM PROJECT: F-22 Construct Low Observable (LO) and Composite Repair Facility (New Mission) REQUIREMENT: The F-22 aircraft maintenance requirement is a four-bay facility. A two-bay facility exists as a legacy of the F-15 mission. An adequately sized and properly configured two-bay Low Observable/Composite Repair aircraft maintenance facility is required to support the beddown of one squadron of F-22 fighter aircraft. Aircraft delivery is scheduled to begin in early FY11 with an expected delivery rate of 2-3 aircraft per month. The F-22 composite materials require unique equipment and supplies for maintenance and repair, and a specialized, environmentally-controlled facility to perform the work. The facility requires a special corrosion control environment for each LO bay, security measures, and specialized climate control systems to regulate temperature, humidity, and air flow. The facility must contain areas for corrosion inspection, on- and off-aircraft LO restoration, LO restoration following aircraft maintenance, on-aircraft composite material repairs, and off-equipment training. This is the initial project to beddown a squadron of 18-PAA F-22 at Hickam AFB, replacing the current F-15 aircraft.

<u>CURRENT SITUATION</u>: A joint site survey conducted in June 2006 by staff from HQ ANG, PACAF, F-22 SPO, and the HI ANG indicated there are no facilities at Hickam AFB that can be upgraded to meet the F-22 requirements. The base does have a two-bay F-15-type fuel cell and corrosion control hangar that must be upgraded, through a separate project, to meet the F-22 requirement for these other two bays.

1. COMPONENT		2. DATE				
	FY 2010 MILITARY CONSTRUCTION PROJECT DA	ATA				
ANG	(computer generated)	MAY 2009				
3. INSTALLATION	AND LOCATION					
HICKAM AIR FORC	HICKAM AIR FORCE BASE, HAWAII					
5. PROJECT TITLE		7. PROJECT NUMBER				
TFI - F-22 LO/COMP	OSITE REPAIR FACILITY	KNMD069208				

<u>IMPACT IF NOT PROVIDED</u>: Essential daily and periodic maintenance and repair of the F-22 cannot be performed. All LO maintenance on the aircraft will have to be performed "on the aircraft" on the outdoor parking ramp, in violation of technical orders, without proper environmental control, with resultant inadequate effectiveness, premature failure, repeat repairs, early airframe degradation, and potential mission failure if the LO coatings are rendered ineffective. Alternatively, the aircraft needing repairs must be ferried back to the nearest available F-22 base with adequate LO/CRF facilities; in this case, a several thousand mile journey to Alaska, New Mexico, or Virginia. There are no known workarounds for the unique maintenance requirements of the F-22 aircraft.

ADDITIONAL: This project meets the criteria/scope specified in Air National Guard Handbook 32-1084, "Facility Requirements" as adjusted by the F-22 SPO and is in compliance with the base master plan. Antiterrorism/Force Protection requirements have been considered in the development of this project. All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air National Guard requirements. Project will incorporate Leadership in Energy and Environmental Design (LEED) and sustainable development concepts, so as to achieve optimum resource efficiency, constructability, sustainability, and energy conservation, while minimizing adverse impacts to the built and natural environments through all phases of its life cycle. This may result in primary facility costs exceeding DoD costing standards, but the initial investment in higher acquisition cost will be rewarded with lower life cycle costs. This is consistent with the requirements of the Energy Policy Act of 2005 (EPAct05) and Executive Order 13423.

TWO-BAY LO/COMPOSITE REPAIR FACILITY 3,252 SM = 35,000 SF

1 COM	PONENT	FY 2010 MILITARY CONSTRUCTION PROJECT DA	TA 2. DATE	
1. COM	PONENI	(computer generated)	Z. DATE	
	NG	LND 100 ATTOM	MAY 2009	
3. INST.	ALLATION	AND LOCATION		
		E BASE, HAWAII		
5. PROJE	ECT TITLE		7. PROJECT NUMBER	
TFI - F-2	2 LO/COMP	POSITE REPAIR FACILITY	KNMD069208	
12. SU	PPLEMENT	TAL DATA:		
a. Est	timated Desig	gn Data:		
(1)	Status:			
(1)		Design Started	MAY 2007	
	(b) Parame	etric Cost Estimates used to develop costs	No	
		t Complete as of Jan 2009	35%	
		5% Designed	JAN 2009	
		esign Complete	JUN 2010	
		f Design Contract study/Life-Cycle analysis was/will be performed	YES	
	(g) Ellergy	Study, Zife Cycle analysis was, will be performed	125	
(2)	Basis:			
		rd or Definitive Design -	No	
	(b) Where	Design Was Most Recently Used -		
(3)	Total Cost ((c) = (a) + (b) or (d) + (e):	(\$000)	
(-)		tion of Plans and Specifications	2,340	
		ner Design Costs	780	
	(c) Total	•	3,120	
	(d) Contra	ct	3,120	
	(e) In-Hou	se		
(4)	Contract Av	ward (Month/Year)	JUL 2010	
(5)	Constructio	on Start	AUG 2010	
(6)	Constructio	on Completion	AUG 2012	
b. Eqi	ipment associ	ciated with this project will be provided from other appropriation	ns: N/A	
DOD :-	OF COME	CT DOWN D.M. DOONT		
POINT	OF CONTA	CT: DONALD M. BOONE (301) 836-8090		
		(301) 030-0070		

							1 _	
1. COMPONENT	FY 2010 MILITARY CONSTRUCTION						2.	DATE
		(comp	uter generat	ed)				
ANG							MA	AY 2009
3. INSTALLATION	AND :	LOCATION			PROJECT			
					-22 PARK	ING APR	ON.	AND
HICKAM AIR FORC	E BAS	SE, HAWAII		TAXIV	VAYS			
5. PROGRAM ELEM	ENT	6. CATEGORY CODE	7. PROJE	CT NUN	IBER	8. PROJ	ECT	COST(\$000)
51721F		113-321	KN	MD1095	501		\$7.	,000
		9. COST	ESTIMAT	ES				
						UNI	T	COST
		ITEM		U/M	QUANTIT	Y COS	T	(\$000)
F-22 PARKING API	RON A	AND TAXIWAYS		SM	15,886			4,099
PARKING APRO	N AN	D TAXIWAYS		SM	15,886	2	258	(4,099)
SUPPORTING FAC	ILITIE	ES						2,215
UTILITIES				LS				(350)
SITE IMPROVEM	IENTS	S		LS				(320)
SUPPORTING PA	VEM	ENTS/ ACCESS ROADS		LS				(320)
DRAINAGE IMPI	ROVE	MENTS		LS				(425)
RELOCATE UND	ERGI	ROUND UTILITIES		LS				(575)
RAMP LIGHTING	3			LS				(225)
SUBTOTAL								6,314
CONTINGENCY (5%)							<u>316</u>	
TOTAL CONTRACT COST							6,630	
SUPERVISION, INS	PECT	ION AND OVERHEAD ((6%)					<u>398</u>
TOTAL REQUEST								7,028
TOTAL REQUEST (ROU	NDED)						7,000

- 10. Description of Proposed Construction: Reinforced concrete parking apron and taxiways, pavement markings, grounding points, tie downs, ramp lighting, and electrical support. Relocate underground utilities and extend fire hydrant system. Provide drainage and site improvements.
- 11. REQUIREMENT: 28,427 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM PROJECT: TFI F-22 Parking Apron and Taxiways (New Mission)

<u>REQUIREMENT</u>: The 154th Fighter Wing requires a properly sized and configured Combat Aircraft Parking Apron and supporting taxiways for the maneuvering of twenty (20) F-22 aircraft - 18-PAA and 2-BAI. The apron must be sited and configured to allow the F-22 to be fully loaded with munitions. This project will provide parking spaces for 4 spots and its associated taxi lanes and access to the Hangar/Squadron Ops and AMU project.

CURRENT SITUATION: F-22 aircraft will begin arriving at Hickam in February 2011 replacing the F-15 aircraft. The aircraft parking apron size and configuration does not meet the minimum requirement of 758 feet explosive safety clear zone to park munitions-loaded aircraft, nearly double the 400-foot clear zone required for the F-15. Thus, the F-22 has a larger clear zone of required uninhabited space around a loaded aircraft than the F-15. Combat aircraft loaded with munitions cannot be parked on the existing ramp since the munitions quantity distance safety arc for this situation encompasses the majority of the ANG non-flightline related facilities. Department of Defense Explosive Safety Board (DDESB) policy prohibits the inclusion of non-mission related facilities within the safety arc. The Unified Facility Code 3-260-01 requires the clear zone to protect personnel on the ground from a potential incident. The programming of two other projects resulted in the loss of aircraft parking spaces and capability. The existing apron does not have sufficient parking spots for the number of aircraft that will be required to be in training or operational. This is caused by the construction of the LO/CRF project on a portion of the existing ramp and its associated site clearance during the 18 months of construction. This will result in the loss of 6 existing spots. In addition, the siting and construction of the Hangar/Squadron Ops/AMU MILCON project will block the only taxiway exit leading from the ramp to the runway. Therefore this project will serve as the minimum required pavements surface, ramp and taxiways, until the remaining combat ramp is construction in future years. None of this

1. COMPONENT		2. DATE				
	FY 2010 MILITARY CONSTRUCTION PROJECT DA	TA				
ANG	(computer generated)	MAY 2009				
3. INSTALLATION	AND LOCATION					
HICKAM AIR FORC	HICKAM AIR FORCE BASE, HAWAII					
5. PROJECT TITLE		7. PROJECT NUMBER				
TFI - F-22 PARKING	APRON AND TAXIWAYS	KNMD109501				

project will be impacted and destroyed by the follow on parking ramp constructed programmed in later years.

IMPACT IF NOT PROVIDED: Unable to park munitions-loaded F-22 combat aircraft on the existing apron. Severely degraded mission capability due to lack of munitions loading area. Accept risk to combat mission accomplishment by flying the aircraft to some other location for loading, then employing the aircraft after the lengthy delay. This is the forward-most U.S. combat staging point for 5th Generation fighters going forward in the Pacific area; without ability to combat-load aircraft the employment/deployment of the fighters in a power-projection role will be curtailed. The aircraft will not have a taxiway to go from the parking and maintenance areas to the runway. With the programming of the remaining portion of the parking apron in future years, the existing apron will not have sufficient parking spots for the number of aircraft that will be required to be in training or operational. ADDITIONAL: All known alternatives/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. This project meets the criteria/scope specified in Air National Guard Handbook 32-1084, "Facility Requirements" and is in compliance with the base master plan. Antiterrorism/Force Protection requirements have been considered in the development of this project. This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air National Guard requirements. Project will incorporate Leadership in Energy and Environmental Design (LEED) and sustainable development concepts, so as to achieve optimum resource efficiency, constructability, sustainability, and energy conservation, while minimizing adverse impacts to the built and natural environments through all phases of its life cycle. This may result in primary facility costs exceeding DoD costing standards, but the initial investment in higher acquisition cost will be rewarded with lower life cycle costs. This is consistent with the requirements of the Energy Policy Act of 2005 (EPAct05) and Executive Order 13423. Energy reduction measures can only be applied to the ramp lighting and utility support.

PARKING APRON AND TAXIWAYS 15,886 SM = 19,000 SY

1. COMPONI	ENT	FY 2010 MILITARY CONSTRUCTION PROJECT DA	TA 2. DATE
i. com om	Livi	(computer generated)	Z. DATE
ANG		ND 1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MAY 2009
3. INSTALLA	ATION A	ND LOCATION	
		BASE, HAWAII	
5. PROJECT T	TITLE		7. PROJECT NUMBER
ΓFI - F-22 PA	RKING A	APRON AND TAXIWAYS	KNMD109501
2. SUPPLI	EMENTA	L DATA:	
a. Estimate	ed Design	Data:	
(1) Stat	tus:		
		sign Started	AUG 2008
		ic Cost Estimates used to develop costs	No
		Complete as of Jan 2009	35%
		6 Designed ign Complete	JAN 2009 SEP 2009
		Design Contract	SEF 2009
, ,	• 1	tudy/Life-Cycle analysis was/will be performed	No
(2) Bas	sis:		
		or Definitive Design - esign Was Most Recently Used -	No
(0)	where D	esign was Most Recently Osed -	
(3) Tota	al Cost (c)	(a) = (a) + (b) or (d) + (e):	(\$000)
		on of Plans and Specifications	420
		r Design Costs	210
	Total		630
	Contract		630
(e)	In-House		
(4) Con	ntract Awa	ard (Month/Year)	FEB 2010
(5) Con	nstruction	Start	MAR 2010
(6) Con	nstruction	Completion	MAR 2011
B. Equipmo	ent associa	ated with this project will be provided from other appropriatio	ns: N/A
DOINT OF	CONTRAC	T. DONALD M. DOONE	
POINT OF (CONTAC	T: DONALD M. BOONE (301) 836-8090	
		(501) 050 0070	

1. COMPONENT FY 2010 MILITARY CONSTRUCTION PROJECT DATA 2. DATE					DATE			
(computer generated)								
ANG							MA	AY 2009
3. INSTALLATION	AND :	LOCATION		4. I	PROJECT T	TITLE		
					ACE AIRC		INI	ΓENANCE
		AL AIRPORT, MAINE			AR AND S			
5. PROGRAM ELEM	ENT	6. CATEGORY CODE	7. PROJEC	CT NUN	IBER	8. PROJI	ECT	COST(\$000)
52276F		211-111	FKN	N0890	19		\$28	3,000
		9. COST	ESTIMATI	ES				
						UNI	Т	COST
		ITEM		U/M	QUANTITY	Y COS	T	(\$000)
AIRCRAFT HANGA	AR AN	ID SHOPS		SM	7,265			22,336
MAINTENANCE	HAN	GAR AREA		SM	2,601	2,9	17	(7,587)
AVIONICS SHOP	P/ECM	SHOP AREA		SM	502	2,9	917	(1,464)
WEAPON SYSTE	EM M	AINTENANCE AREA		SM	985	2,9	917	(2,873)
		MENT SHOP AREA		SM	492	2,9	917	(1,435)
CORROSION CO				SM	139		917	(405)
GENERAL PURP				SM	2,267	· ·	917	(6,613)
		EQUIPMENT AREA		SM	279	2,9	917	(814)
	_	RCE PROTECTION		SM	7,265		22	(160)
`		LEED CERT/ENERGY C	ONSERV)	LS				(660)
BASE SUPPLY H				LS				(325)
SUPPORTING FAC	ILITI	ES						3,062
	UTILITIES			LS				(755)
PAVEMENTS DEMOLITION / A SPESTOS DEMOVIA I			LS	6.505		00	(700)	
DEMOLITION/ASBESTOS REMOVAL			SM	6,595]	.08	(712)	
COMMUNICATION SUPPORT FIRE SUPPRESSION SYSTEM SUPPORT				LS				(100)
SITE IMPROVEN				LS LS				(550)
SUBTOTAL	TEINI)		LS				(<u>245)</u> 25,398
SUBTUTAL						1		25,598

- 10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, steel framed structure with masonry walls, and standing seam metal roof. Interior walls, utilities and fire protection/suppression system. Building exterior to match base architectural style. Exterior support include: site improvements, pavements, utilities, and communications support. Disconnect base supply heating system from the hangar. Demolish buildings and landscape the sites. Air Conditioning: 630 KW.
- 11. REQUIREMENT: 7,265 SM ADEQUATE: 0 SM SUBSTANDARD: 6,595 SM PROJECT: Replace KC-135 Maintenance Hangar and Shops (Current Mission)

 REQUIREMENT: The base requires a properly sited, sized and configured aircraft maintenance hangar and shops to support the training and operational mission of the 10 PAA KC-135R aircraft assigned to the 101st Air Refueling Squadron. Functional areas include hangar bay and general and specialized

<u>CURRENT SITUATION</u>: The hangar and the shops are 1955 vintage and cannot be upgraded to meet the mission. The heating distribution system has exceeded its economic life, the AFFF system is in need of upgrades, the fire detection system is a patchwork of systems and the electrical and plumbing systems are failing at an increasing rate. There is no HVAC system, the building is not energy efficient, and the communications system does not meet the mission requirements. The roof has leaked and continues to leak. There are numerous health and safety code violations. A structural analysis indicates the steel structure is weak. The hangar structural steel cannot support the weight of the safety lines.

shops.

CONTINGENCY (5%)

TOTAL REQUEST

TOTAL CONTRACT COST

TOTAL REQUEST (ROUNDED)

SUPERVISION, INSPECTION AND OVERHEAD (6%)

1,270

26,668

1,600

28,268

28,000

1. COMPONENT		2. DATE					
	FY 2010 MILITARY CONSTRUCTION PROJECT D.	ATA					
ANG	(computer generated)	MAY 2009					
3. INSTALLATION	AND LOCATION						
BANGOR INTERNA	BANGOR INTERNATIONAL AIRPORT, MAINE						
5. PROJECT TITLE 7. PROJECT NUM							
REPLACE AIRCRAFT MAINTENANCE HANGAR AND SHOPS FKNN089019							

These cannot be installed. The asbestos exterior metal siding panels, interior and exterior piping insulation and floor tiles are severely degraded. The hangar doors' operating system is antiquated and requires constant and excessive maintenance. There is poor drainage around the facility and water enters under the hangar doors during rainstorms. The ramp area near the hangar is sloped incorrectly. To fix this problem would require the hangar floor to be raised or the ramp lowered. This is not economically possible. The facility was designed to accommodate propeller driven fighter planes in the 1950's. With the larger KC-135 aircraft, the support areas have limited space and cannot properly be configured for efficient processing of work to meet mission requirements. The shops are poorly configured and cannot be rearranged due to the structural interior design of the load bearing walls. The hangar heating system also supports the supply warehouse. With the demolition of the hangar, the base supply needs its own heating system. This project will disconnect the hangar and provides a heating system to the base supply. The complex is not a quality work and training place. The base serves as a main operating point for the Tanker Task Force which serves as the air refueling bridge over the North Atlantic routes.

<u>IMPACT IF NOT PROVIDED</u>: Highly inefficient operations and excessive maintenance cost. Split functions negatively impact span of control. Increased wear and tear on vehicles and equipment continue. Accept the risk of the fire, health and safety code violations, and inability to perform maintenance on aircraft critical to the airbridge mission.

ADDITIONAL: This project meets the criteria/scope specified in ANG Handbook 32-1084, "Facility Requirements" and is in compliance with the base master plan. Antiterrorism/Force Protection requirements have been considered in the development of this project. An economic analysis is being prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air National Guard requirements. Project will incorporate Leadership in Energy and Environmental Design (LEED) and sustainable development concepts, so as to achieve optimum resource efficiency, constructability, sustainability, and energy conservation, while minimizing adverse impacts to the built and natural environments through all phases of its life cycle. This may result in primary facility costs exceeding DoD costing standards, but the initial investment in higher acquisition cost will be rewarded with lower life cycle costs. This is consistent with the requirements of the Energy Policy Act of 2005 (EPAct05) and Executive Order 13423. The following buildings will be demolished as a result of this project: Bldg. 496 (5920 SM) and Bldg. 497 (675 SM).

MAINTENANCE HANGAR AREA 2,601 SM = 28,000 SFAVIONICS SHOP/ECM SHOP AREA 502 SM = 5,400 SFWEAPON SYSTEM MAINTENANCE AREA 985 SM = 10,600 SFSURVIVABLE EQUIPMENT SHOP AREA 492 SM = 5.300 SFCORROSION CONTROL SHOP AREA 139 SM = 1.500 SFGENERAL PURPOSE SHOPS AREA 2,267 SM = 24,400 SFAIRCRAFT SUPPORT EQUIPMENT AREA 279 SM = 3,000 SFDEMOLITION/ASBESTOS REMOVAL 6,595 SM = 70,991 SF

1. COMPO	ONENT	FY 2010 MILITARY CONSTRUCTION PROJECT DAT	TA 2. DATE
AN	IG	(computer generated)	MAY 2009
		AND LOCATION	1
		TIONAL AIRPORT, MAINE	
5. PROJEC	CT TITLE		7. PROJECT NUMBER
REPLACE	AIRCRAF	T MAINTENANCE HANGAR AND SHOPS	FKNN089019
12. SUP	PLEMENT	AL DATA:	
a. Estir	nated Desig	gn Data:	
	(b) Parame(c) Percent(d) Date 35(e) Date De(f) Type of	resign Started etric Cost Estimates used to develop costs Complete as of Jan 2009 We Designed esign Complete Design Contract Study/Life-Cycle analysis was/will be performed	AUG 2008 No 35% JAN 2009 SEP 2009
. ,		rd or Definitive Design - Design Was Most Recently Used -	No
	(a) Product		(\$000) 1,680 840 2,520 2,520
(4) (Contract Av	ward (Month/Year)	FEB 2010
(5)	Construction	n Start	MAR 2010
(6) (Constructio	n Completion	MAR 2012
b. Equip	pment assoc	ciated with this project will be provided from other appropriation	s: N/A
POINT (OF CONTA	CT: James Guidry (301) 836-8508	

1. COMPONENT		2. DATE
	FY 2010 MILITARY CONSTRUCTION PROJECT DA	TA
ANG	(computer generated)	MAY 2009
3. INSTALLATION	AND LOCATION	
ANDREWS AIR FOR	CE BASE, MARYLAND	
5. PROJECT TITLE		7. PROJECT NUMBER

O COST ESTIMATES

REPLACE MUNITIONS MAINTENANCE AND STORAGE COMPLEX

AJXF049104

9. COST ESTIMATES	<u>S</u>			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
MUNITIONS MAINTENANCE AND STORAGE COMPLEX	SM	3,076		8,851
ADMINISTRATIVE AREA	SM	465	2,583	(1,201)
MUNITIONS MAINTENANCE SHOPS	SM	734	3,283	(2,410)
EQUIPMENT STORAGE/TRAILER MAINTENANCE	SM	511	1,453	(742)
SEGREGATED STORAGE MAGAZINE	SM	567	3,283	(1,861)
STORAGE IGLOOS- EARTH COVERED	SM	799	3,175	(2,537)
SDD&EPACT(2%FOR LEED CERT/ENERGY CONSERV)	LS			(100)
SUPPORTING FACILITIES				3,765
SITE PREPARATION	LS			(100)
PAVEMENTS	LS			(600)
UTILITIES	LS			(650)
COMMUNICATIONS SUPPORT	LS			(925)
ACCESS ROAD	LS			(450)
SECURITY FENCING/LIGHTING	LS			(550)
TREE/BRUSH REMOVAL	LS			(180)
FIRE PROTECTION SUPPORT	LS			(160)
STORM WATER MANAGEMENT	LS			(150)
SUBTOTAL				12,616
CONTINGENCY (5%)				631
TOTAL CONTRACT COST				13,247
SUPERVISION, INSPECTION AND OVERHEAD (6%)				<u>795</u>
TOTAL REQUEST				14,042
TOTAL REQUEST (ROUNDED)				14,000

10. Description of Proposed Construction: Reinforced concrete foundation on piles, floor slab with masonry walls, insulated roof system, and electrical, mechanical, and fire protection to provide a complete administrative, maintenance, and equipment storage facility. Earth covered maintenance bays and igloos; masonry, multi-celled magazines. Intrusion Detection System (IDS) at all storage and munitions maintenance and servicing rooms. Exterior utilities, pavements, site preparation, communications, and security systems. Primary access road, utility systems extension, security fencing, security lighting, and fire protection support. Loading and unloading platform capable of supporting a 40 ft long trailer. A Munitions Assembly Conveyor (MAC) concrete pad of 5,000 SF. There is considerable tree/brush removal and earth work. Also includes storm water management IAW the State of Maryland requirements.

Air Conditioning: 263 KW.

11. REQUIREMENT: 3,076 SM ADEQUATE: 0 SM SUBSTANDARD: 1,831 SM PROJECT: Replace Munitions Maintenance and Storage Complex (Current Mission).

REQUIREMENT: The base requires a properly sited, adequately sized, and correctly configured complex to support the Air Sovereignty Alert mission munitions requirements in addition to the training requirements for the F-16 aircraft. Functional areas include two earth covered missile maintenance bays, bomb dummy unit processing and inspection bay, ammunition loading/universal loading system processing and inspection bay, trailer maintenance bay, munitions support equipment storage, tool room, locker room, classroom/breakroom, administrative areas, and secure munitions storage consisting of multiple igloos and magazines. The base also requires access to the site which requires a primary

1. COMPONENT		2. DATE				
	FY 2010 MILITARY CONSTRUCTION PROJECT D	ATA				
ANG	(computer generated)	MAY 2009				
3. INSTALLATION	AND LOCATION					
ANDREWS AIR FOR	ANDREWS AIR FORCE BASE, MARYLAND					
5. PROJECT TITLE 7. PROJECT NUMBER						
REPLACE MUNITIONS MAINTENANCE AND STORAGE COMPLEX AJXF049104						

access road and utility systems extension. The site requires an enclosure with the Pathfinder fencing system and perimeter security lighting. The site must be able to adequately store class 1.1 explosives. This project is scoped for the ANG requirements only. The requirement for the host base and the 89th Airlift Wing are being programmed separately. There would be considerable construction efficiencies if both requirements were to be funded at the same time.

CURRENT SITUATION: The ASA mission coupled with the F-16 aircraft training mission drives the need for a large munitions requirement as well as maintenance and storage of associated munitions support handling equipment. The base munitions storage complex which is used by the ANG, 89th Airlift Wing, and other base agencies was constructed in the 1950's. It is not sited and sized for the munitions in use now and projected to be in use for the future. Over the years, other base functions have been constructed in the vicinity including the hangar and support areas for the Air Force One aircraft. There is no room to expand. The administrative/personnel functions are operating out of building 4972 (4,018 SF) which is divided into four work bays and an administrative area. The first bay is used for processing 20mm, building bomb dummy units (BDU's), chaff, and flares. The second bay is used for munitions inspection. The third bay is used for munitions issues. The fourth bay is used for missile inspection, testing, and build-up. The functional arrangement of the building is such that the wall separating the administrative area from the explosive operations is not reinforced to provide the munitions personnel performing administrative duties with the required intraline separation from explosive operations. A properly sited, temporary administrative trailer (4,032 SF) has been installed to provide the administrative personnel the required level of protection. It will be removed upon completion of the new Munitions Storage Area (MSA). The storage functions are located in buildings 4962 (5,830 SF) and 4963 (5,830 SF) which contain training munitions, survival devices, base defense munitions, cartridge and propellant actuated devices, war readiness material (WRM), and unserviceable munitions. Only limited amounts of hazard class division (HC/D) 1.1 or 1.2.2 munitions can be stored in these facilities due to the quantity distance (QD) violations associated with the golf course being located too close to the facilities. Due to the close proximity of all the buildings located in the MSA, no HC/D 1.2.1 munitions can be stored. As a result, missiles are stored out of the container to comply with the explosive criteria. When stored out of the container, the hazard class of the munition changes from 1.2.1 to 1.1. Storing assets out of the container degrades the electrical components, which affects the reliability of the asset. Storage within buildings 4962 and 4963 is limited due to explosive criteria which requires assets be separated 3 feet from each wall within the bay. If the 3 feet criteria cannot be met in any bay, then the adjacent bay must be empty or only contain HC/D 1.4 munitions (small arms, 20mm, or chaff). Neither the facilities nor the QD can be increased due to nearby explosive storage, recreation facilities, and inhabited buildings. Most of the munitions handling and support equipment must be stored outside due to lack of storage space. Relocating the munitions complex will eliminate all the safety waivers. The existing site is across the runway from the ANG location where the aircrfat operate. Transporting live munitions over the base perimeter road (over 3 miles) pose a considerable risk. The new complex is sited on undeveloped land and less than 1/2 mile from the ASA operating area. This site is the only area available which can satisfy the stringent quantity-distance criteria for munitions. No access road(s), utility systems, communications systems, or IDS systems exist and must be brought to the area.

<u>IMPACT IF NOT PROVIDED</u>: Accept the safety risk to public, visiting foreign dignitaries, and senior government officials. Higher operating costs. Lack of adequate space directly impacts the unit's ability to support both the alert and training missions. Inefficient operations in scattered facilities. On-the-job

	1. COMPONENT	FY 2010 MILITARY CONSTRUCTION PROJECT DATA				2. DATE	
			(comp	uter generat	ted)		
	ANG			•			MAY 2009
	3. INSTALLATION AND LOCATION 4.			4. PROJECT	TITLE		
	REPLACE MUNIT				ITIONS M	IAINTENANCE	
ANDREWS AIR FORCE BASE, MARYLAND AND STO				AND STORAGE	COMPLE	EX	
	5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJE		CT NUMBER	8. PROJI	ECT COST(\$000)		
	52276F	216-642 AJ2		XF049104		\$14,000	

training and maintenance are difficult under the crowded conditions. Degraded effectiveness negatively impacts the unit's ability to meet mission requirements.

ADDITIONAL: This project meets the criteria/scope specified in ANG Handbook 32-1084, "Facility Requirements" and is in compliance with the base master plan. Antiterrorism/Force Protection requirements have been considered in the development of this project. The administrative area is an "inhabited" building and meets the standoff distance requirements. There is no threat and the level of protection is low so minimum construction standards have been applied. All known alternatives options were considered during the development of this project. Quantity-distance requirements for explosive safety meant no other option could meet the mission requirements; therefore, no economic analysis was needed or performed. Project will incorporate Leadership in Energy and Environmental Design (LEED) and sustainable development concepts, so as to achieve optimum resource efficiency, constructability, sustainability, and energy conservation, while minimizing adverse impacts to the built and natural environments through all phases of its life cycle. This may result in primary facility costs exceeding DoD costing standards, but the initial investment in higher acquisition cost will be rewarded with lower life cycle costs. This is consistent with the requirements of the Energy Policy Act of 2005 (EPAct05) and Executive Order 13423. The disposition of the existing MSA facilities will be determined by Andrews AFB upon completion of this and other associated project(s). The supporting utility costs for the project are substantially higher than a normal project. The complex is located on a tract of land where there is considerable earthwork required, there are trees and shrubs to be removed. There is no utility and communications support and the soil does not provide for a good foundation. The site is the only area available on Andrews AFB that has substantial clearance to allow the proper siting based on the DOD Explosive Satety Board criteria. The related host base project is AJXF063009.

ADMINISTRATIVE AREA 465 SM = 5,000 SF MUNITIONS MAINTENANCE SHOPS 734 SM = 7,900 SF EQUIPMENT STORAGE/TRAILER MAINTENANCE511 SM = 5,500 SF SEGREGATED STORAGE MAGAZINE 567 SM = 6,100 SF STORAGE IGLOOS- EARTH COVERED 799 SM = 8,600 SF

1 00	OMPONENT	FY 2010 MILITARY CONSTRUCTION PROJECT DAT	га Га	. DATE
1. CC	DIVIPONENT	(computer generated)	IA 2	. DAIE
2 D	ANG	AND LOCATION	N	MAY 2009
3. IN	STALLATION	AND LOCATION		
		RCE BASE, MARYLAND		
5. PR	OJECT TITLE		7. PROJEC	T NUMBER
REPL	ACE MUNITIC	NS MAINTENANCE AND STORAGE COMPLEX	AJX	TF049104
12.	SUPPLEMENT	'AL DATA:		
a.	Estimated Desig	gn Data:		
	(1) Status:			
	(a) Date D	Design Started	1	AUG 2008
		etric Cost Estimates used to develop costs		No
		t Complete as of Jan 2009		35%
		5% Designed		JAN 2009
		esign Complete Design Contract		SEP 2009
		Study/Life-Cycle analysis was/will be performed		YES
	(2) Basis:	J. a. D. Cakina Darina		NT.
		rd or Definitive Design - Design Was Most Recently Used -		No
	(b) where	Design was wost Recently Used -		
	(3) Total Cost ((c) = (a) + (b) or (d) + (e):		(\$000)
		tion of Plans and Specifications		840
		ner Design Costs		420
	(c) Total			1,260
	(d) Contrac			1,260
	(e) In-Hou	se		
	(4) Contract Av	ward (Month/Year)		MAR 2010
	(5) Constructio	n Start		APR 2010
	(6) Constructio	n Completion		AUG 2011
b.	Equipment assoc	ciated with this project will be provided from other appropriation	ns:	N/A
j				
POI	INT OF CONTA	CT: MR JOHN E. LOEHLE, PE (301) 836-8076		

	1						_	
1. COMPONENT		FY 2010 MILITARY CO			OJECT DA	TA	2.	DATE
	(computer generated)							
ANG			•				M	AY 2009
3. INSTALLATION	AND	LOCATION		4. I	PROJECT	ΓITLE		
				JOINT	FORCES	OPERAT	NOI	S CENTER -
LINCOLN MUNICIP	AL A	RPORT, NEBRASKA		ANG S	SHARE			
5. PROGRAM ELEM	ENT	6. CATEGORY CODE	7. PROJEC	CT NUN	IBER	8. PROJ	ECT	COST(\$000)
52276F		610-287	NG	CB0790	169		\$1	,500
		9. COST	ESTIMATI	ES				
						UN	IT	COST
		ITEM		U/M	QUANTIT	Y CO	ST	(\$000)
JOINT FORCES OP	ERAT	IONS CENTER- ANG SH	IARE	SM	427			1,075
ANG SHARE				SM	427	2,	476	(1,057)
ANTITERRORISI	M FOI	RCE PROTECTION		SM	427		32	(14)
SDD&EP ACT(3%	6FOR	LEED CERT/ENERGY C	CONSERV)	LS				(4)
SUPPORTING FAC	ILITIE	ES		LS				270
UTILITIES				LS				(95)
SITE IMPROVEM	1ENTS	S		LS				(75)
PAVEMENTS				LS				(85)
COMMUNICATION	ONS S	SUPPORT		LS				(15)
SUBTOTAL								1,345
CONTINGENCY (5%)								<u>67</u>
TOTAL CONTRACT COST								1,412
SUPERVISION, INSPECTION AND OVERHEAD (6%)								85
TOTAL REQUEST								1,497
TOTAL REQUEST (KOUI	NDED)						1,500
Î				1	l	1		1

10. Description of Proposed Construction: Reinforced concrete foundation and floor slab with steel framed masonry walls and roof structure. Interior electrical and mechanical systems. Supporting facilities will include POV parking and sidewalks. Extension of gas, electric, sewer, water and communication utilities to the building site. Physical security measures will be incorporated into design including maximum feasible standoff distance from roads, parking areas, and vehicle unloading areas, berms, heavy landscaping, and bollards. Cost effective energy conserving features will be incorporated into design.

Air Conditioning: 105 KW.

11. REQUIREMENT: 427 SM ADEQUATE: 0 SM SUBSTANDARD: 255 SM PROJECT: Joint Forces Operations Center (JFOC) - ANG Share (Current Mission)

<u>REQUIREMENT</u>: This facility is required to house all elements of the Joint Forces Operations Center (JFOC) and the Nebraska National Guard Headquarters. The total (ARNG/ANG) Headquarters will have an authorized strength of over 500 personnel. The JFOC provides the necessary administrative training and storage areas required to achieve proficiency in training tasks for the entire state. It will also serve as the command, control and emergency operating center for the state military department and is able to respond to emergencies within the state and also coordinate the actions and response to emergencies in other states.

<u>CURRENT SITUATION</u>: The ANG State Headquarters at Lincoln Municipal Airport is undersized and poorly configured. The chief of the National Guard Bureau has directed that each state establish a JFOC with elements of the Army and Air National Guard personnel. The Army National Guard has the lead and has a project in their FY10 MILCON budget request to construct their share of the JFOC. This small portion is the ANG share of the complex, based on the number of assigned ANG personnel and minimum authorized space. The Army National Guard will be the design and construction agent for the entire project. Upon completion of this project the, ANG vacated space will be upgraded and reused to satisfy other requirements at the ANG Air Refueling Wing.

1. COMPONENT			2. DATE
1270	FY 2010 MILITARY CONSTRUCTION PROJECT DA		NA NA 2000
ANG 3. INSTALLATION A	(computer generated)		MAY 2009
o. II OIT LEZITION	IND ECCLITION		
	AL AIRPORT, NEBRASKA		
5. PROJECT TITLE		7. PROJE	CT NUMBER
OINT FORCES OPE	RATIONS CENTER - ANG SHARE	NG	CB079069
	ROVIDED: Unable to comply with the Chief of the Nati		
	The ANG element will remain in a small and separate area	a and be ur	able to properl
•	ard, the state Adjutant General and the Governor.	1	d.
•	is project complies with the long range base master plan ied in the ANG Handbook 32-1084, "Facility Requireme		
	requirements have been considered in the development of		
	nabited" building and meet the standoff distance requirem		
•	onents on an "as available" basis; however, the scope of t		
	uirements. Project will incorporate Leadership in Energy		
_	sustainable development concepts, so as to achieve optimation and energy conservation, while minimizing ac		
•	ments through all phases of its life cycle. This may result		
	ting standards, but the initial investment in higher acquisi		
•	e costs. This is consistent with the requirements of the En	nergy Polic	ey Act of 2005
(EPAct05) and Exec	cutive Order 13423.		
ANG SHARE	427 SM = 4,600 SF		
	, 51.1 .,000 51		

1. C	COMPONENT	FY 2010 MILITARY CONSTRUCTION PROJECT DA' (computer generated)	ΓA 2. DATE
	ANG	(computer generated)	MAY 2009
3. II	NSTALLATION	AND LOCATION	<u> </u>
LING	COLN MUNICIP	PAL AIRPORT, NEBRASKA	
	ROJECT TITLE		7. PROJECT NUMBER
TOD	TE EOD CEG ODE	DAMONG CENTED AND GHADE	NGCD0700c0
JOIN	T FORCES OPE	ERATIONS CENTER - ANG SHARE	NGCB079069
12.	SUPPLEMENT	CAL DATA:	
a.	Estimated Desig	gn Data:	
	(b) Parame (c) Percent (d) Date 35 (e) Date D (f) Type of	Design Started etric Cost Estimates used to develop costs t Complete as of Jan 2009 5% Designed esign Complete f Design Contract v Study/Life-Cycle analysis was/will be performed	AUG 2008 No 35% JAN 2009 SEP 2009
		rd or Definitive Design - Design Was Most Recently Used -	No
	(a) Produc		(\$000) 90 45 135 135
	(4) Contract Av	ward (Month/Year)	APR 2010
	(5) Constructio	on Start	MAY 2010
	(6) Constructio	on Completion	MAY 2011
b.	Equipment associ	ciated with this project will be provided from other appropriation	ns: N/A
ı			

POINT OF CONTACT: MR SCOTT MULHOLLAND (301) 836-8347

	1						1	
1. COMPONENT		FY 2010 MILITARY CO			OJECT DA	TA	2.	DATE
		(computer generated)						
ANG							MA	AY 2009
3. INSTALLATION	AND 1	LOCATION			PROJECT T			
					ED HORS	E SQUAI	ORO	N
MANSFIELD LAHM		,		BEDD				
5. PROGRAM ELEM	ENT	6. CATEGORY CODE	7. PROJEC	CT NUN	IBER	8. PROJ	ECT	COST(\$000)
59297F		171-445	PB	XP0692	19		\$11	,400
		9. COST	ESTIMATI	ES				
						UNI	T	COST
		ITEM		U/M	QUANTITY	COS	T	(\$000)
RED HORSE BEDD	OWN			SM	4,710			8,382
OPERATIONS AT	ND TR	RAINING AREA		SM	1,477	2,1	153	(3,180)
CIVIL ENGINEE	R STO	RAGE BUILDING AREA	A	SM	372	1,0)76	(400)
MAINTENANCE	SHOP	PAREA		SM	1,301	1,9	938	(2,521)
PAVEMENTS AN	ND GR	OUNDS SHOP AREA		SM	557	1,2	292	(720)
SUPPLY AND EQ	QUIPM	IENT STORAGE AREA		SM	557	1,2	292	(720)
SUPPLY ADMIN	ISTR <i>A</i>	ATION AREA		SM	74	1,5	561	(116)
BASE SUPPLY S	HED A	AREA		SM	372	1,0)76	(400)
		RCE PROTECTION		SM	3,410		22	(75)
SDD&EPACT(3%	FOR 1	LEED CERT/ENERGY C	ONSERV)	LS				(250)
SUPPORTING FAC	ILITIE	ES		LS				1,861
UTILITIES				LS				(510)
PAVEMENTS				LS				(460)
SITE IMPROVEMENTS				LS				(155)
COMMUNICATIONS SUPPORT				LS				(120)
FIRE PROTECTION SUPPORT				LS				(550)
SECURITY FENC	CING A	AND GATES		LS				(66)
SUBTOTAL								10,243
CONTINGENCY (5	%)							512

10. Description of Proposed Construction: Reinforced concrete foundation and floor slab with steel-framed masonry walls and sloped standing seam metal roof structure. Interior walls and utilities. Exterior work includes site improvements, utility extension, fire protection, communication system and support, anti-terrorism/force protection improvements, security measures and landscaping. Air Conditioning: 350 KW.

11. REQUIREMENT: 4,710 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM PROJECT: TFI-RED HORSE Squadron Beddown (New Mission)

REQUIREMENT: The Air Force requires additional capability for organic heavy construction and force beddown in a bare-base or contingency environment. The ANG will grow half of a Rapid Engineer Deployable Heavy Operational Repair Squadron Engineers (RED HORSE) in Ohio. Mansfield Lahm ANGB requires an adequately sized and properly configured facility to serve RED HORSE operations and engineering functions being assigned; to include: Civil Engineering Operations, Engineering, Base Operating Support, Readiness, and Logistics. Operations and Training functional areas include space for training, administration, storage, planning, restrooms/locker rooms and communications support. This project supports a 202-person manpower requirement.

CURRENT SITUATION: The base has a Base Civil Engineer (BCE) complex which can be reused as an interim for a portion of the RED HORSE requirement, but it is too small and not configured for the full RED HORSE mission. In addition, the BCE complex is old and antiquated, and significant shortfalls in facility size and layout drive major inefficiencies for the mission. Inadequate training, command and control, equipment storage, and vehicle storage/maintenance spaces force the unit to

TOTAL CONTRACT COST

TOTAL REQUEST (ROUNDED)

TOTAL REOUEST

SUPERVISION, INSPECTION AND OVERHEAD (6%)

10,755

11,400

11,400

645

1. COMPONENT		2. DATE
	FY 2010 MILITARY CONSTRUCTION PROJECT DA	ATA
ANG	(computer generated)	MAY 2009
3. INSTALLATION	AND LOCATION	
MANSFIELD LAHM	I AIRPORT, OHIO	
5. PROJECT TITLE		7. PROJECT NUMBER
TFI - RED HORSE SO	OUADRON BEDDOWN	PBXP069219

postpone vital training, resulting in reduced readiness and mission effectiveness. Lack of adequate storage forces equipment to be exposed to the elements. The Air Force is in the process of acquiring additional land at nominal cost from the airport authority to allow the construction of the RED HORSE Compound.

<u>IMPACT IF NOT PROVIDED</u>: Forced use of overcrowded existing facilities delays readiness training, impedes functional operations, and degrades mission capability. The mission of the RED HORSE continues to be severely impeded by facility inefficiencies and lack of training. The unit will not reach full operational capability and cannot be deployed. Equipment exposed to the elements deteriorates prematurely.

ADDITIONAL: This project meets the criteria/scope specified in the ANG Handbook 32-1084, "Facility Requirements". Force protection requirements have been addressed. There is minimal threat and the level of protection is low, so minimum construction standards have been applied. 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. This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air National Guard requirements. Project will incorporate Leadership in Energy and Environmental Design (LEED) and sustainable development concepts, so as to achieve optimum resource efficiency, constructability, sustainability, and energy conservation, while minimizing adverse impacts to the built and natural environments through all phases of its life cycle. This may result in primary facility costs exceeding DoD costing standards, but the initial investment in higher acquisition cost will be rewarded with lower life cycle costs. This is consistent with the requirements of the Energy Policy Act of 2005 (EPAct05) and Executive Order 13423.

OPERATIONS AND TRAINING AREA 1,477 SM = 15,898 SF CIVIL ENGINEER STORAGE BUILDING AREA 372 SM = 4,004 SF MAINTENANCE SHOP AREA 1,301 SM = 14,004 SF PAVEMENTS AND GROUNDS SHOP AREA 557 SM = 5,996 SF SUPPLY AND EQUIPMENT STORAGE AREA 557 SM = 5,996 SF SUPPLY ADMINISTRATION AREA 74 SM = 797 SF BASE SUPPLY SHED AREA 372 SM = 4,004 SF

1. COMI	PONENT	FY 2010 MILITARY CONSTRUCTION PROJECT DA	ATA 2. DATE							
A	NG	(computer generated)	MAY 2009							
3. INSTA	3. INSTALLATION AND LOCATION									
		I AIRPORT, OHIO								
5. PROJECT TITLE 7. PROJECT NUMBER										
TFI - RE	D HORSE SO	QUADRON BEDDOWN	PBXP069219							
12. SU	12. SUPPLEMENTAL DATA:									
a. Est	imated Desig	gn Data:								
(1)	(b) Parame(c) Percent(d) Date 35(e) Date D(f) Type of	Design Started etric Cost Estimates used to develop costs t Complete as of Jan 2009 5% Designed resign Complete f Design Contract r Study/Life-Cycle analysis was/will be performed	JAN 2007 No 35% MAR 2008 SEP 2009							
(2)		rd or Definitive Design - Design Was Most Recently Used -	No							
(3)	(a) Product		(\$000) 660 330 990 990							
(4)	Contract Av	ward (Month/Year)	JAN 2010							
(5)	Constructio	on Start	FEB 2010							
(6)	Constructio	on Completion	AUG 2011							
b. Equ	ipment assoc	riated with this project will be provided from other appropriation	ns: N/A							
POINT	OF CONTA	ACT: Mark Mittler (301) 836-8767								

1. COMPONENT	FY 2010 MILITARY CONSTRUCTION PROJECT DATA 2. DATE					DATE			
		(computer generated)							
ANG							MA	AY 2009	
3. INSTALLATION	AND	LOCATION		4. I	PROJECT T	TITLE			
				TFI-A	R SUPPOR	RT OPER	ATIO	ONS	
WILL ROGERS WO	RLD A	AIRPORT, OKLAHOMA		SQUA	DRON BEI	DDOWN			
5. PROGRAM ELEM	ENT	6. CATEGORY CODE	7. PROJEC	CT NUN	1BER	8. PROJI	ECT	COST(\$000)	
#2 4F4F		144.550		EX 10 40 4	0.5				
52671F		141-753	YZ.	EU0691	06		\$7.	\$7,300	
		9. COST	ESTIMAT	ES					
						UNI	Τ	COST	
		ITEM		U/M	QUANTITY	COS	T	(\$000)	
ASOS BEDDOWN				SM	3,230			5,315	
OPS AND SUPPO	RT SI	PACE		SM	1,305	2,2	228	(2,908)	
SHOP AREA				SM	469	2,2	228	(1,045)	
VEHICLE STORA	AGE A	REA-RENOVATE BLDC	G 1020	SM	1,407	6	667	(938)	
VEHICLE WASH	RACE	K AREA		SM	49	4,5	575	(224)	
		RCE PROTECTION		SM	1,823		22	(40)	
SDD&EPACT(3%	FOR :	LEED CERT/ENERGY C	ONSERV)	LS				(160)	
SUPPORTING FAC	ILITIE	ES		LS				1,250	
UTILITIES				LS				(225)	
PAVEMENTS				LS				(330)	
SITE IMPROVEMENTS				LS				(200)	
COMMUNICATION				LS				(90)	
FIRE PROTECTION	ON SU	JPPORT		LS				(300)	

LS

- 10. Description of Proposed Construction: Reinforced concrete foundation and floor slab with steel framed masonry walls and roof structure. Interior walls and utilities. Upgrade building 1020 by converting it from C-130 AGE cold storage to ASOS HMMWV vehicle storage; provide fire protection, relocate interior walls and utilities, and rearrange exterior pavements. Exterior work includes: utilities, site improvements, pavements, communications and other support. Air Conditioning: 175 KW.
- 11. REQUIREMENT: 3,231 SM ADEQUATE: 0 SM SUBSTANDARD: 1,407 SM PROJECT: TFI-AIR SUPPORT OPERATIONS SQUADRON BEDDOWN (New Mission) REQUIREMENT: The base requires adequately sized and properly configured facilities for the beddown of an ASOS. The mission of the ASOS is to train and deploy with the Army National Guard Units and direct air support and cover. This ASOS unit will support the 36th ID and the 49th and 45th BCTs.

CURRENT SITUATION: The base does not have properly sized and configured space for the ASOS operations and shops area. There is insufficient space for the ops and maintenance functions. Building 1020, which now serves as an AGE shop and cold storage area, will be upgraded and reconfigured for vehicle storage. The equipment and personnel are scheduled to arrive in 2010. Personnel will be squeezed into other existing buildings and dispersed around the base in many areas. Likewise, the equipment (other than the vehicle storage) will have to be stored in dispersed facilities throughout the base or outside of buildings. Training space is not available. Maintenance control and ops space will be split.

IMPACT IF NOT PROVIDED: The ASOS unit is not able to perform the required mission without properly configured facilities. Command and control, mission planning, training of personnel, radio and vehicle maintenance, equipment and weapons security and administrative activities will be severely

FENCING AND GATES

TOTAL CONTRACT COST

TOTAL REQUEST (ROUNDED)

SUPERVISION, INSPECTION AND OVERHEAD (6%)

CONTINGENCY (5%)

TOTAL REQUEST

SUBTOTAL

105)

6,565

6,893

7,307

7,300

328

414

1. COMPONENT		2.	DATE			
	FY 2010 MILITARY CONSTRUCTION PROJECT DA	ΛTA				
ANG	(computer generated)	MA	AY 2009			
3. INSTALLATION	AND LOCATION					
WILL ROGERS WO	RLD AIRPORT, OKLAHOMA					
5. PROJECT TITLE		7. PROJECT	NUMBER			
TFI-AIR SUPPORT OPERATIONS SQUADRON BEDDOWN YZEU069106						
adversely impacted. Vehicles and equipment exposed to the weather will continue to deteriorate						

adversely impacted. Vehicles and equipment exposed to the weather will continue to deteriorate resulting in high maintenance, repair and replacement costs. The unit cannot reach full operational capability and C-1 status and may not be ready to deploy when called on since the men and women may not be trained and the equipment not ready for deployment. The support to the Army will not be available making it a larger readiness issue than just the ANG and the Air Force.

ADDITIONAL: All known alternatives/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. This project meets the criteria/scope specified in Air National Guard Handbook 32-1084, "Facility Requirements" and is in compliance with the base master plan. This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air National Guard requirements. Mission requirements, operational considerations and location are incompatible with use by other components. Antiterrorism/Force Protection requirements have been considered in the development of this project. This is consistent with the requirements of the Energy Policy Act of 2005 (EPAct05) and Executive Order 13423.

OPS AND SUPPORT SPACE SHOP AREA VEHICLE STORAGE AREA-RENOVATE BLDG 10201 VEHICLE WASHRACK AREA 1,305 SM = 14,050 SF 469 SM = 5,050 SF 407 SM = 15,150 SF 49 SM = 525 SF

1. CON	MPONENT	FY 2010 MILITARY CONSTRUCTION PROJECT DAT	ΓA 2. DATE				
	ANG	(computer generated)	MAY 2009				
		AND LOCATION	,				
WILL I	ROGERS WOI	RLD AIRPORT, OKLAHOMA					
5. PROJECT TITLE 7. PROJECT NUMBER							
TFI-AI	R SUPPORT C	DPERATIONS SQUADRON BEDDOWN	YZEU069106				
12. S	UPPLEMENT	'AL DATA:					
a. E	Estimated Desig	gn Data:					
(1	(b) Parame(c) Percent(d) Date 35(e) Date De(f) Type of	Design Started Stric Cost Estimates used to develop costs Complete as of Jan 2009 Designed Estimates used to develop costs Complete Substituting Complete Substituting Contract Study/Life-Cycle analysis was/will be performed	JAN 2007 No 35% FEB 2007 SEP 2009				
(2		rd or Definitive Design - Design Was Most Recently Used -	No				
(:	(a) Product		(\$000) 438 219 657 657				
(4	4) Contract Av	ward (Month/Year)	JAN 2010				
(:	5) Constructio	n Start	FEB 2010				
((6) Construction	n Completion	MAR 2011				
b. Eq	uipment assoc	iated with this project will be provided from other appropriation	s: N/A				
POIN	IT OF CONTA	CT: David Thompson (301) 836-8249					

DEPARTMENT OF THE AIR FORCE JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 2010

APPROPRIATION: MILITARY CONSTRUCTION -- AIR NATIONAL GUARD

PROGRAM 313: PLANNING AND DESIGN \$10,061,000

PART I -- PURPOSE AND SCOPE

The funds estimated in this program are to provide financing for project planning and design of the construction requirements for the Air National Guard.

PART II -- JUSTIFICATION OF FUNDS REQUESTED

The funds required for Planning and Design will provide for establishing project construction design of the facilities and for fully evaluating each designed project in terms of technical adequacy and estimated costs.

1. COMPONENT	2. DATE					DATE		
		FY 2010 MILITARY CO	NSTRUCT1	ON PR	OJECT DA	ΛTA		
ANG			uter generat				M	AY 2009
3. INSTALLATION	AND	LOCATION		4. I	PROJECT	ΓITLE		
VARIOUS LOCATIO	NS			PLAN.	NING ANI	D DESIG	N	
5. PROGRAM ELEM	ENT	6. CATEGORY CODE	7. PROJE	CT NUN	IBER	8. PROJ	ECT	COST(\$000)
52276F		999-999	AA	AA1000	001		\$10),061
		9. COST	ESTIMAT	ES				
						UN	Т	COST
		ITEM		U/M	QUANTIT	Y COS	ST	(\$000)
PLANNING AND D	ESIG	N (P-313)		LS				10,061
SUBTOTAL								10,061
TOTAL CONTRAC	T COS	ST						10,061
TOTAL REQUEST								10,061
10 5		1.0				6 1	1	

10. Description of Proposed Construction: The funds requested will provide for the architectural and engineering services necessary to fully evaluate each project's technical adequacy and estimated cost, and complete final design of facilities. In addition, the funds are required to prepare working drawings, specifications, and project reports for the design of construction projects to be included in future Air National Guard (ANG) Military Construction (MILCON) Programs.

11. REQUIREMENT: As Required

PROJECT: Planning and Design

<u>REQUIREMENT</u>: The ANG needs planning and design funds for projects that are to be included in future MILCON programs. The FY 2010 design funds are needed to complete the design for those projects that are to be included in the FY 2010 MILCON program and to begin the design for those projects to be included in the FY 2011 program. Funds also provide for design of the FY 2010 unspecified minor construction program.

<u>CURRENT SITUATION</u>: The ANG requires the design money in FY 2010 to ensure the design milestones for the FY 2010 and FY 2011 MILCON Programs, as mandated by Department of Defense (DOD) Instruction 1225.8, are met.

IMPACT IF NOT PROVIDED: The ANG will not be able to effectively administer future year MILCON programs. Insufficient design funds will translate into late design completion, later construction starts, higher construction costs, and the inability to meet DOD and Congressionally mandated execution rates, and degrade the operational mission and training by the delays in construction completion.

DEPARTMENT OF THE AIR FORCE JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 2010

APPROPRIATION: MILITARY CONSTRUCTION -- AIR NATIONAL GUARD

PROGRAM 341: UNSPECIFIED MINOR CONSTRUCTION \$9,000,000

PART I -- PURPOSE AND SCOPE

The funds estimated in this program are to provide financing for new construction and alteration projects having cost estimates over \$750,000 but not exceeding \$2,000,000, which are not otherwise authorized by law.

PART II -- JUSTIFICATION OF FUNDS REQUESTED

The funds required for Unspecified Minor Construction will finance projects for which the urgency is such that they could not be included in the regular Military Construction Program for the Air National Guard, and such that they exceed the minor construction authorization limit in the Operation and Maintenance Appropriation.

1 COMPONIENT	l							DATE
1. COMPONENT	FY 2010 MILITARY CONSTRUCTION PROJECT DATA				2.	DATE		
ANG				-	DJECT DA	IA	м	AY 2009
3. INSTALLATION	AND		uter generat		PROJECT '	riti b	IVI	A 1 2009
5. INSTALLATION	AND.	LUCATION		4. I	KOJECI	IIILE		
VARIOUS LOCATIO	ONS			UNSPI	ECIFIED N	MINOR C	ONS	TRUCTION
5. PROGRAM ELEM	ENT	6. CATEGORY CODE	7. PROJEC	CT NUN	IBER	8. PROJ	ECT	COST(\$000)
52276F		999-999	AA	AA1000	002		\$9,000	
		9. COST	ESTIMAT	ES				
						UNI		COST
		ITEM		U/M	QUANTIT	Y COS	T	(\$000)
	OR C	ONSTRUCTION (P-341)		LS				9,000
SUBTOTAL	T 000							9,000
TOTAL CONTRACT	r cos	51						9,000
TOTAL REQUEST								9,000
				_1	L			I.

10. Description of Proposed Construction: Provides funding for unspecified minor construction projects not otherwise authorized by law and having a funded cost between \$750,000 and \$2,000,000. Projects include construction, alteration, or conversion of permanent or temporary facilities. The Secretary of the Air Force has the authority to approve projects of this nature under the provisions of 10 U. S. Code, 18233a and 10 U. S. Code, 2805.

11. REQUIREMENT: As Required

PROJECT: Unspecified Minor Construction Program

<u>REQUIREMENT</u>: This program provides the means of accomplishing urgent, unforeseen projects costing over \$750,000, but not exceeding \$2,000,000. The project requirements are anticipated to arise during late FY 2009 or FY 2010, and would be needed to satisfy critical, urgent mission beddowns and weapon system conversions, or to meet serious and urgent health, safety, and environmental requirements. The late identification of these requirements prevents their inclusion in the FY 2010 MILCON program and the projects cannot wait for the FY 2011 program. The requested funds are not a percent of the budget, but are based on historical trends. Routine and non-urgent projects are not funded from this account.

<u>CURRENT SITUATION</u>: As in the recent past, it is expected that the Air Force will continue to transfer missions and force structure into the ANG. These aircraft conversions and beddowns generate facility requirements that are often late-to-need using normal MILCON programming avenues. The urgency of the required projects is driven by the arrival of new aircraft and equipment, or the need to eliminate immediate health, safety or environmental requirements or personnel growth.

<u>IMPACT IF NOT PROVIDED</u>: Unable to adequately support mission conversions and beddowns. More expensive workarounds will have to be used. Formal reprogramming is the only other option available; however, funds may not be available for these reprogrammings.

DEPARTMENT OF THE AIR FORCE AIR NATIONAL GUARD MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2010

SECTION III	
 SECTIONII	

INSTALLATION DATA

1. COMPONE	NT		GUARD AND RESERVE		2. DATE	0
ANG 3. INSTALLA	TION AN	D LOCATION	ARY CONSTRUCTION		4. AREA C	CONSTR
		R FORCE BASE, TUCS			.99	
Facility is occup and USMC, and air-to-air, air-to	pied by de d Foreign -ground, c	National units occupy recombat search and rescu	IN IG IT IN IT IS IN IT IS IT	y supports air ng, night visio	rcraft sortie ge on goggle wo	eneration for rk, syllabus
			ALLATIONS WITHIN 15 M y Reserve Unit, one Army Nat			Air Nation
	REQUES	TED IN THIS PROGRA	AM: FY 2010	GOGT	PEGIGIA	CT + TV
CATEGORY <u>CODE</u>	<u>PI</u>	ROJECT TITLE	SCOPE	COST \$(000)	<u>DESIGN</u> <u>START</u>	STATUS CMPL
141-753 T	FI - Preda	tor Beddown - FOC	1,579 SM (17,000 SF)	5,600	Aug 06	Sep 09
Facilities identi	fied in ite	m 6 have been examined	OARD RECOMMENDATIO d by the State Reserve Forces Unilateral Construction App	Facilities Boa	ard for possib 23 Jan 08 (Date)	le joint
Facilities identi	fied in ite	m 6 have been examined	d by the State Reserve Forces	Facilities Boa	23 Jan 08	le joint
Facilities identi	fied in ite The Boar	m 6 have been examined de recommendations are:	d by the State Reserve Forces	Facilities Boa	23 Jan 08	
Facilities identiuse/expansion. 9. LAND ACQ	fied in ite. The Boar	m 6 have been examined de recommendations are:	d by the State Reserve Forces Unilateral Construction App	Facilities Boa	23 Jan 08 (Date)	 es)
Facilities identi- use/expansion. P. LAND ACQ 10. PROJECTS	The Boar OUISITIO	m 6 have been examined red recommendations are: N REQUIRED	d by the State Reserve Forces Unilateral Construction App	Facilities Boa	23 Jan 08 (Date)	
Facilities identicuse/expansion. P. LAND ACQ 10. PROJECTS CATEGORY CODE	fied in ite. The Boar QUISITIO	m 6 have been examined recommendations are: N REQUIRED ED IN NEXT FOUR YI	d by the State Reserve Forces Unilateral Construction App	Facilities Boa proved (Nu	23 Jan 08 (Date) Imber of Acre	es) COST
Facilities identiuse/expansion. 9. LAND ACQ 10. PROJECTS CATEGORY CODE 141-753	The Boar QUISITION S PLANN PH TFI- Pred	m 6 have been examined red recommendations are: N REQUIRED ED IN NEXT FOUR YIELD ROJECT TITLE	d by the State Reserve Forces Unilateral Construction App EARS	Facilities Boa proved (Nu	23 Jan 08 (Date) Imber of Acre	COST \$(000)
P. LAND ACQ O. PROJECTS CATEGORY CODE	The Boar QUISITION S PLANN PH TFI- Pred	m 6 have been examined and recommendations are: N REQUIRED ED IN NEXT FOUR YITTLE ator FOC - Active Associations are:	d by the State Reserve Forces Unilateral Construction App EARS	Facilities Boa proved (Nu	23 Jan 08 (Date) Imber of Acre	COST \$(000)

1. COMPONENT ANG			O AND RESER' ONSTRUCTION		2. DATE MAY 2009
3. INSTALLATION	N AND LOCATION				
	N AIR FORCE BASE,		RIZONA		
11. PERSONNEL S	STRENGTH AS OF 01	Jul 08			
;	PERM TOTAL OFFICER	MANENT FNLISTED	CIVII IAN		D/RESERVE FICER ENLISTED
AUTHORIZED	0 0	0	0	133	40 93
ACTUAL	0 0	0	0	123	35 88
12. RESERVE UN	IT DATA				
					NGTH
UNIT DES 162 OPR	<u>SIGNATION</u>			AUTHORIZED 18	<u>ACTUAL</u> 15
162 PRED	ATOR OPERATIONS	CENTER TOTALS		<u>115</u> 133	<u>108</u> 123
		TOTALS		133	123
13. MAJOR EQUI	PMENT AND AIRCRA	AFT			
<u>T</u>	<u>YPE</u>		<u>AUTHO</u>	ORIZED ASS	<u>SIGNED</u>
14 OUTSTANDIN	G POLLUTION AND	SAFETY(OSI	HA) DEFICIEN	ICIES FY 2010	
CATEGORY		2.11.21.1(031		CST	DESIGN STATUS
<u>CODE</u>	PROJECT TITLE		<u>SCOPE</u>	<u>\$(000)</u>	START CMPL
NONE					

1. COMPONENT ANG		RD AND RESERVE CONSTRUCTION		2. DATE MAY 2009	9
	N AND LOCATION	CONSTRUCTION		4. AREA C	ONSTR
SOUTH CALIFOR LOGISTICS APT	NIA LOGISTICS AIRPORT, SC	OUTHERN CALIFORNIA	A	COST IN	
Facility is occupied aircraft generation f	AND TYPE OF UTILIZATION for ANG and Active Duty Predat or unit launch and recovery action es for joint use operations of unm	ns of unmanned aerial veh			
	E/GUARD/RESERVE INSTALL rk operations and ADAF C-17 operations			S	
7. PROJECTS REC	QUESTED IN THIS PROGRAM:		COST	DESIGN	STATUS
<u>CODE</u>	PROJECT TITLE	<u>SCOPE</u>	<u>\$(000)</u>	START	CMPL
211-111 TFI - 1 Site	Predator Beddown - FTU/LRE	1,626 SM (17,500 SF)	8,400	Jan 07	Sep 09
Facilities identified	VE FORCES FACILITIES BOAI in item 6 have been examined by	the State Reserve Forces	Facilities Boa	-	e joint
Facilities identified		the State Reserve Forces	Facilities Boa	ard for possibl 06 Mar 08 (Date)	e joint
Facilities identified	in item 6 have been examined by	the State Reserve Forces	Facilities Boa	06 Mar 08	e joint
Facilities identified use/expansion. The	in item 6 have been examined by	the State Reserve Forces	Facilities Boa	06 Mar 08	
Facilities identified use/expansion. The Page 19. LAND ACQUIS 10. PROJECTS PL	in item 6 have been examined by Board recommendations are: Ur	the State Reserve Forces nilateral Construction App	Facilities Boa	06 Mar 08 (Date)	- s)
Facilities identified use/expansion. The	in item 6 have been examined by Board recommendations are: Ur ITION REQUIRED	the State Reserve Forces nilateral Construction App	Facilities Boa	06 Mar 08 (Date) 17 Imber of Acre	
Facilities identified use/expansion. The Page 19. LAND ACQUIS 10. PROJECTS PL CATEGORY	in item 6 have been examined by Board recommendations are: Un ITION REQUIRED ANNED IN NEXT FOUR YEAR	the State Reserve Forces nilateral Construction App	Facilities Boa proved (Nu	06 Mar 08 (Date) 17 Imber of Acre	s) COST
Facilities identified use/expansion. The use/expansion. The P. LAND ACQUIS 10. PROJECTS PL CATEGORY CODE	in item 6 have been examined by Board recommendations are: Un ITION REQUIRED ANNED IN NEXT FOUR YEAR PROJECT TITLE	the State Reserve Forces nilateral Construction App	Facilities Boa proved (Nu	06 Mar 08 (Date) 17 Imber of Acre	s) COST
Facilities identified use/expansion. The use/expansion. The P. LAND ACQUIS 10. PROJECTS PL CATEGORY CODE	in item 6 have been examined by Board recommendations are: Un ITION REQUIRED ANNED IN NEXT FOUR YEAR	the State Reserve Forces nilateral Construction App	Facilities Boa proved (Nu	06 Mar 08 (Date)	s) COST
Facilities identified use/expansion. The use/expansion. The P. LAND ACQUIS 10. PROJECTS PL CATEGORY CODE	in item 6 have been examined by Board recommendations are: Un ITION REQUIRED ANNED IN NEXT FOUR YEAR PROJECT TITLE	the State Reserve Forces nilateral Construction App	Facilities Boa proved (Nu	06 Mar 08 (Date)	s) COST

4. 601 (0.01)	TN 1.00	40 GW + DD + 1 VD D	EGERAGE	10 D + FFF
1. COMPONENT ANG		10 GUARD AND R JITARY CONSTRU		2. DATE MAY 2009
3. INSTALLATION		TIAKI CONSTRU	CHON	WIA 1 2009
3. INSTREETITO	This Eccilian			
	NIA LOGISTICS AIRPO		CALIFORNIA LOGISTIC	CS APT
11. PERSONNEL S	STRENGTH AS OF 14 A	aug 08		
	PERMA	NENT	CHA	RD/RESERVE
-	TOTAL OFFICER EN			FFICER ENLISTED
AUTHORIZED	0 0	0 0		2 17
ACTUAL	0 0	0 0	7	1 6
12. RESERVE UNI	T DATA			
			STR	RENGTH
UNIT DES	<u>IGNATION</u>		AUTHORIZED	ACTUAL
163 Aircraf	ft Maintenance Squadron		13	3
	Ingineering Squadron		1	0
163 REW		TOTALC	5	$\frac{-4}{7}$
		TOTALS	19	/
13. MAJOR EQUIP	PMENT AND AIRCRAF	T		
	<u>YPE</u>	<u>A</u>		<u>SSIGNED</u>
Support Equipment			9	6
Vehicle Equivalents Vehicles			4 2	4 2
Vellicies			<i>L</i>	2
14 OUTSTANDING	G POLLUTION AND SA	AFETY(OSHA) DEI	FICIENCIES FY 2010	
CATEGORY		, - , - <u>-</u> -	CST	DESIGN STATUS
<u>CODE</u>	PROJECT TITLE	<u>SCOPI</u>	<u>\$(000)</u>	START CMPL
NONE				
NONE				

1. COMPONENT	FY 2010 GUARD AND RESERVE	2. DATE	
ANG	MILITARY CONSTRUCTION	MAY 2009	
3. INSTALLATION	N AND LOCATION	4. AREA CONSTR	
		COST INDEX	
HICKAM AIR FOR	HICKAM AIR FORCE BASE, HONOLULU (OAHU)		

5. FREQUENCY AND TYPE OF UTILIZATION

One Unit Training Assemby per month, 15 days annual field training per year, daily use by technician/AGR force for training.

6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS

2 Army Installations, 1 Army Facility, 1 Air Force Base, 1 Air Force Reserve, 1 Naval Installations, 1 Marine Corps Reserve Center, 4 Army National Guard Installations, 1 Air National Guard

7. PROJEC	TS REQUESTED IN THIS PROGRAN	M: FY 2010			
CATEGOR	Y		COST	DESIGN	<u>STATUS</u>
<u>CODE</u>	PROJECT TITLE	<u>SCOPE</u>	<u>\$(000)</u>	<u>START</u>	<u>CMPL</u>
211-159	TFI - F-22 LO/Composite Repair	3,252 SM (35,000	SF) 26.000	May 07	Mar 10
113-321	Facility Facility	15,886 SM (19,00		Aug 08	Sep 09
	TFI - F-22 Parking Apron and				•
	Taxiways				

8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION

Facilities identified in item 6 have been examined by the State Reserve Forces Facilities Board for possible joint use/expansion. The Board recommendations are: Unilateral Construction Approved 19 Feb 08 (Date)

9. LAND ACQUISITION REQUIRED		None	
		(Number of Acres)
10. PROJEC	CTS PLANNED IN NEXT FOUR YEARS		
CATEGOR	Y		COST
<u>CODE</u>	PROJECT TITLE	<u>SCOPE</u>	<u>\$(000)</u>
800-100	TFI - F-22 Beddown Infrastructure Support	LS (LS)	6,700
211-111	TFI - F-22 Hangar, Squadron Operations and AMU	6,867 SM (73,917 SF)	49,000
171-212	TFI - F-22 Flight Simulator Facility	2,215 SM (23,847 SF)	19,800
171-875	TFI - F-22 Weapons Load Crew Training Facility	805 SM (8,670 SF)	7,000
216-642	TFI - F-22 Upgrade Munitions Complex	3,048 SM (32,800 SF)	18,000
113-321	TFI - F-22 Combat Aircraft Parking Apron	19,471 SM (23,288 SY)	12,530
	DOMING 1 1D ' 64 005 000		
	R&M Unfunded Requirement: \$4,905,000		

1. COMPONENT		GUARD AND RES		2. DATE
ANG 3. INSTALLATION		ARY CONSTRUCT	ION	MAY 2009
5. INSTALLATION	AND LOCATION			
HICKAM AIR FORC	E BASE, HONOLULU (OAHU)		
	RENGTH AS OF 01 Aug			
	C			
=	PERMANE	•	· · · · · · · · · · · · · · · · · · ·	RD/RESERVE
		STED CIVILIAN		FFICER ENLISTED
AUTHORIZED ACTUAL	571 448 633 72	123 0 561 0	1,711 1,608	223 1,488 151 1,457
ACTUAL	033 72	561 0	1,008	131 1,437
12. RESERVE UNIT	DATA			
2. RESERVE CIVII				
			STR	ENGTH
UNIT DESIG	<u>GNATION</u>		<u>AUTHORIZED</u>	<u>ACTUAL</u>
154 AGS			303	297
	gineering Squadron		66	70
	nication Flight		42	49
154 LG			33	29
154 LS			121	105
154 LSF	Canadaan		50 76	47 62
154 Medical 154 MS	Squadron		397	386
	Support Flight		34	31
154 Operation			11	10
	ons Support Flight		43	33
	Forces Squadron		73	78
154 Support			5	5
154 Services			42	46
154 WG	Č		75	66
	oort Operations Center		0	0
199 Fighter S			39	39
199 Weather	Flight		12	12
201 CCGP			39	33
	eling Squadron		62	44
204 AS			59	48
	Communications Squadron		0	0
	Communications Squadron		0 129	0 118
	Communications Squadron fic Control Squadron	L	0	0
HQ HI ANG			0	0
	MENT AND AIRCRAFT			
2. 2.2.2.01.1				
<u>TY</u> 1		AUT		<u>SSIGNED</u>
F-15 A/C AIRCRAFT			15	19
C-135R AIRCRAF	Γ		8	9
Support Equipment			512	509
Vehicle Equivalents				820
14 OUTSTANDING	POLLUTION AND SAFE	TY(OSHA) DEFIC	ENCIES FY 2010	
CATEGORY			CST	DESIGN STATUS
<u>CODE</u>	PROJECT TITLE	<u>SCOPE</u>	<u>\$(000)</u>	START CMPL
NONE				

	EV 2010 GUA	RD AND RESERVE		2. DATE	
1. COMPONENT ANG		CONSTRUCTION		MAY 2009	
3. INSTALLATION				4. AREA CO	ONSTR
BANGOR INTERN	ATIONAL AIRPORT, BANGOI	₹		1.0	
	ND TYPE OF UTILIZATION	-		l	
	emblies per year, 15 days annual t	raining per year, daily use	e by technician	AGR force	and for
training.					
		A TIONIC WITHIN 15 MI	I EG DADIHIG		
	E/GUARD/RESERVE INSTALLA aard Units, 1 Army Reserve Facilit				
3 Anny National Gu	and Omes, I Army Reserve I demi	y and I wavai Reserve I	actifity.		
7. PROJECTS REQ	UESTED IN THIS PROGRAM:	FY 2010			
CATEGORY			COST	DESIGN S	
<u>CODE</u>	PROJECT TITLE	<u>SCOPE</u>	\$(000 <u>)</u>	<u>START</u>	<u>CMPL</u>
011 111 P 1		7.045 (D. 470,000 (F))	20.000	4 00	g 00
	ce Aircraft Maintenance Hangar	7,265 SM (78,200 SF)	28,000	Aug 08	Sep 09
and	Shops				
l					
	VE FORCES FACILITIES BOAR				
	· · · · · · · · · · · · · · · · · · ·				
use/expansion. The	in item 6 have been examined by t				e joint
	Board recommendations are: Uni			1 May 08	e joint
					e joint
				1 May 08	e joint
				1 May 08	e joint
9. LAND ACQUIS	Board recommendations are: Uni		roved 2	1 May 08 (Date)	
9. LAND ACQUIS	Board recommendations are: Uni		roved 2	1 May 08 (Date)	
10. PROJECTS PLA	Board recommendations are: Uni	lateral Construction Appr	roved 2	1 May 08 (Date)	(3)
10. PROJECTS PLA	Board recommendations are: Uni ITION REQUIRED ANNED IN NEXT FOUR YEAR:	lateral Construction Appr	roved 2	1 May 08 (Date) None hber of Acres	COST
10. PROJECTS PLA	Board recommendations are: Uni	lateral Construction Appr	roved 2	1 May 08 (Date) None hber of Acres	(3)
10. PROJECTS PLA	Board recommendations are: Uni ITION REQUIRED ANNED IN NEXT FOUR YEAR:	lateral Construction Appr	roved 2	1 May 08 (Date) None hber of Acres	COST
10. PROJECTS PLA	Board recommendations are: Uni ITION REQUIRED ANNED IN NEXT FOUR YEAR:	lateral Construction Appr	roved 2	1 May 08 (Date) None hber of Acres	COST
10. PROJECTS PLA	Board recommendations are: Uni ITION REQUIRED ANNED IN NEXT FOUR YEAR:	lateral Construction Appr	roved 2	1 May 08 (Date) None hber of Acres	COST
10. PROJECTS PLA CATEGORY CODE	Board recommendations are: Uni ITION REQUIRED ANNED IN NEXT FOUR YEAR: PROJECT TITLE	lateral Construction Approximately S	roved 2	1 May 08 (Date) None hber of Acres	COST
10. PROJECTS PLA CATEGORY CODE	Board recommendations are: Uni ITION REQUIRED ANNED IN NEXT FOUR YEAR:	lateral Construction Approximately S	roved 2	1 May 08 (Date) None hber of Acres	COST
10. PROJECTS PLA CATEGORY CODE	Board recommendations are: Uni ITION REQUIRED ANNED IN NEXT FOUR YEAR: PROJECT TITLE	lateral Construction Approximately S	roved 2	1 May 08 (Date) None hber of Acres	COST
10. PROJECTS PLA CATEGORY CODE	Board recommendations are: Uni ITION REQUIRED ANNED IN NEXT FOUR YEAR: PROJECT TITLE	lateral Construction Approximately S	roved 2	1 May 08 (Date) None hber of Acres	COST
10. PROJECTS PLA CATEGORY CODE	Board recommendations are: Uni ITION REQUIRED ANNED IN NEXT FOUR YEAR: PROJECT TITLE	lateral Construction Approximately S	roved 2	1 May 08 (Date) None hber of Acres	COST
10. PROJECTS PLA CATEGORY CODE	Board recommendations are: Uni ITION REQUIRED ANNED IN NEXT FOUR YEAR: PROJECT TITLE	lateral Construction Approximately S	roved 2	1 May 08 (Date) None hber of Acres	COST

1. COMPONENT	FY 2010 GUARD AND RESERVE	2. DATE
ANG	MILITARY CONSTRUCTION	MAY 2009

BANGOR INTERNATIONAL AIRPORT, BANGOR

11. PERSONNEL STRENGTH AS OF 01 Jul 08

	PERMANENT			G	GUARD/RESERVE		
	TOTAL	OFFICER	ENLISTED	<u>CIVILIAN</u>	<u>TOTAL</u>	OFFICER	ENLISTED
AUTHORIZED	366	45	321	0	882	142	740
ACTUAL	342	45	297	0	879	131	748

12. RESERVE UNIT DATA

	STRENGTH		
<u>UNIT DESIGNATION</u>	<u>AUTHORIZED</u>	<u>ACTUAL</u>	
101 Aircraft Maintenance Squadron	80	77	
101 Air Refueling Wing	54	52	
101 Civil Engineering Squadron	93	99	
101 Communication Flight	34	38	
101 LG	17	15	
101 Logistics Readiness Squadron	106	94	
101 Medical Group	53	49	
101 MOF	21	18	
101 MS	173	163	
101 Mission Support Flight	19	23	
101 Operations Group	6	6	
101 Operations Support Flight	35	33	
101 Security Forces Squadron	87	103	
101 Support Group	8	7	
101 Services Flight	20	24	
132 Air Refueling Squadron	<u>76</u>	<u>78</u>	
TOTALS	882	879	

13. MAJOR EQUIPMENT AND AIRCRAFT

<u>TYPE</u>	<u>AUTHORIZED</u>	ASSIGNED
KC-135E Aircraft	8	10
Support Equipment	220	213
Vehicle Equivalents	570	570

14 OUTSTANDING POLLUTION AND SAFETY(OSHA) DEFICIENCIES FY 2010
OUTSTANDING POLILITION AND SAFETY(OSHA) DEFICIENCIES FY 2010
ANDING POLLUTION AND SAFETY(OSHA) DEFICIENCIES FY 2010
POLLUTION AND SAFETY(OSHA) DEFICIENCIES FY 2010
N AND SAFETY(OSHA) DEFICIENCIES FY 2010
Y(OSHA) DEFICIENCIES FY 2010
ENCIES FY 2010

CATEGORY			CST	DESIGN	STATUS
CODE	PROJECT TITLE	SCOPE	\$(000)	START	CMPL

1. COMPONENT	EV 2010 CIV	DD AND DEGEDINE		0 D 4 FFF			
1. COMPONENT		RD AND RESERVE CONSTRUCTION		2. DATE			
ANG		MAY 2009 4. AREA CONSTR					
3. INSTALLATION AND LOCATION							
ANDDEWC AID E	COST IND 1.04	EA					
ANDREWS AIR FO		1.04					
	5. FREQUENCY AND TYPE OF UTILIZATION Two unit training assemblies per month, 15 days annual field training per year, daily use by the technician/AGR force						
for training.	semones per monui, 13 days anno	uai neiu training per year	i, daily use by u	ie tecimician/F	OK loice		
ioi training.							
6 OTHED ACTIVI	E/GUARD/RESERVE INSTALL	ATIONS WITHIN 15 M	III EC DADIIIC	ı			
	, 1 Army Reserve, 1 Active Air F				d Unit		
1 7 III 1 OFCE TRESERVE	, 17 mmy reserve, 17 retive 7 m 1	orec Buse, I Itary Reser	ive and 17 miny	Tuttonar Gaar	a Cint		
7 DDOJECTS DEC	NUESTED IN THIS DOOD AM.	EV 2010					
CATEGORY	UESTED IN THIS PROGRAM:	F1 2010	COST	DESIGN ST	CATIIS		
CODE CODE	PROJECT TITLE	SCOPE	\$(000)	START	CMPL		
CODE	I ROJECT TITLE	<u>SCOLE</u>	<u>\$(000)</u>	SIAKI	<u>CMI L</u>		
216-642 Replac	ce Munitions Maintenance and	3,076 SM (33,100 SF	F) 14,000	Jan 08	Jan 10		
1	age Complex	3,070 SWI (33,100 SI	14,000	Jan 06	Jan 10		
5101	age Complex						
8. STATE RESERV	E FORCES FACILITIES BOAF	RD RECOMMENDATION	ON				
Facilities identified	in item 6 have been examined by	the State Reserve Forces	s Facilities Boar	d for possible	joint		
use/expansion. The	Board recommendations are: Un	ilateral Construction Ap	proved 0	2 Jun 08			
				(Date)			
9. LAND ACQUIS	ITION REQUIRED			None			
			(Nun	nber of Acres)			
10. PROJECTS PL	ANNED IN NEXT FOUR YEAR	RS					
CATEGORY				(COST		
CODE	PROJECT TITLE		SCO.	PE S	6(000)		
R&N	M Unfunded Requirement: \$12,20	05.000					
11001	, , , , , , , , , , , , , , , , , , ,	/= = =					

1. COMPONENT	FY 2010 GUARD AND RESERVE	2. DATE
ANG	MILITARY CONSTRUCTION	MAY 2009

ANDREWS AIR FORCE BASE, MARYLAND
11. PERSONNEL STRENGTH AS OF 01 Aug 08

	PERMANENT			G	ERVE		
	TOTAL	OFFICER	ENLISTED	<u>CIVILIAN</u>	<u>TOTAL</u>	OFFICER	ENLISTED
AUTHORIZED	529	53	476	0	1,220	165	1,055
ACTUAL	514	50	464	0	1,066	184	882

12. RESERVE UNIT DATA

	STRE	NGTH
<u>UNIT DESIGNATION</u>	AUTHORIZED	ACTUAL
113 Aircraft Maintenance Squadron	233	126
113 Civil Engineering Squadron	68	73
113 Communication Flight	33	36
113 Logistics Readiness Squadron	77	99
113 Munitions Flight	56	65
113 MOF	24	20
113 Mission Support Flight	20	24
113 Maintenance Group	20	22
113 Maintenance Squadron	245	135
113 Operations Group	3	3
113 Operations Support Flight	26	20
113 Security Forces Squadron	61	62
113 Support Group	8	10
113 Student Flight	15	29
113 Services Squadron	23	47
113 WING	61	63
121 Fighter Squadron	46	44
121 Weather Flight	11	11
201 AS	<u>190</u>	<u> 177</u>
TOTALS	1,220	1,066

13. MAJOR EQUIPMENT AND AIRCRAFT

<u>TYPE</u>	<u>AUTHORIZED</u>	ASSIGNED
C-38 Aircraft	2	2
C-40	3	3
F-16 Aircraft	18	21
Support Equipment	280	267
Vehicle Equivalents	384	384

CATEGORY			CST		DESIGN STATUS		
CODE	PROJECT TITLE	SCOPE	\$(000)	START	CMPL		

1. COMPONENT ANG		RD AND RESERVE CONSTRUCTION		2. DATE MAY 2009	9
	N AND LOCATION	CONSTRUCTION		4. AREA C	
	IDAL AIDDODE ADAGOLNI			COST IN	
	IPAL AIRPORT, LINCOLN ND TYPE OF UTILIZATION			.94	+
Two unit training a	ssemblies per month, 15 annual fie lltime use by Joint Operations Cer		ar, daily use by	technician/A	GR force
	E/GUARD/RESERVE INSTALL. Center, one Army Reserve Trainin				
7. PROJECTS REQ	UESTED IN THIS PROGRAM:	FY 2010			
CATEGORY <u>CODE</u>	PROJECT TITLE	<u>SCOPE</u>	COST \$(000)	<u>DESIGN</u> <u>START</u>	STATUS CMPL
610-287 Joint I Sha	Forces Operations Center - ANG	427 SM (4,600 SF)	1,500	Aug 08	Sep 09
Facilities identified	VE FORCES FACILITIES BOAR in item 6 have been examined by to Board recommendations are: Uni	the State Reserve Force	s Facilities Boa	02 Jun 08	le joint
Facilities identified	in item 6 have been examined by t	the State Reserve Force	s Facilities Boa		le joint
Facilities identified use/expansion. The	in item 6 have been examined by t Board recommendations are: Uni	the State Reserve Force	s Facilities Boa	02 Jun 08	
Facilities identified use/expansion. The 9. LAND ACQUIS 10. PROJECTS PL	in item 6 have been examined by t Board recommendations are: Uni	the State Reserve Force ilateral Construction Ap	s Facilities Boa	02 Jun 08 (Date)	
Facilities identified use/expansion. The 9. LAND ACQUIS 10. PROJECTS PL	in item 6 have been examined by 6 Board recommendations are: Uni	the State Reserve Force ilateral Construction Ap	s Facilities Boa oproved (Nu	02 Jun 08 (Date)	- - (s)
Facilities identified use/expansion. The 9. LAND ACQUIS 10. PROJECTS PL	in item 6 have been examined by 6 Board recommendations are: United States of the Board recommendation are: United States of the Board recommendation are united States of	the State Reserve Force ilateral Construction Ap	s Facilities Boa oproved (Nu	02 Jun 08 (Date) None Imber of Acre	- ss) COST
Facilities identified use/expansion. The 9. LAND ACQUIS 10. PROJECTS PL. CATEGORY CODE	in item 6 have been examined by 6 Board recommendations are: United States of the Board recommendation are: United States of the Board recommendation are united States of	the State Reserve Force ilateral Construction Ap	s Facilities Boa oproved (Nu	02 Jun 08 (Date) None Imber of Acre	- ss) COST
Facilities identified use/expansion. The use/expansion. The P. Land Acquis 10. PROJECTS PL. CATEGORY CODE	in item 6 have been examined by to Board recommendations are: United ITION REQUIRED ANNED IN NEXT FOUR YEAR. PROJECT TITLE	the State Reserve Force ilateral Construction Ap	s Facilities Boa oproved (Nu	02 Jun 08 (Date) None Imber of Acre	- ss) COST

1. COMPONENT	FY 2010 GUARD AND RESERVE	2. DATE
ANG	MILITARY CONSTRUCTION	MAY 2009

LINCOLN MUNICIPAL AIRPORT, LINCOLN

11. PERSONNEL STRENGTH AS OF 01 Jul 08

	PERMANENT			G	GUARD/RESERVE		
	TOTAL OFFICER ENLISTED CIVILIAN		<u>TOTAL</u>	OFFICER	ENLISTED		
AUTHORIZED	328	62	266	0	892	178	714
ACTUAL	328	62	266	0	902	171	731

12. RESERVE UNIT DATA

	STRE	NGTH
<u>UNIT DESIGNATION</u>	AUTHORIZED	ACTUAL
155 AMS	58	49
155 Air Refueling Wing	55	56
155 Civil Engineering Squadron	111	108
155 Communication Flight	34	32
155 Logistics Readiness Squadron	100	105
155 Medical Group	78	59
155 MG	15	12
155 MOF	21	22
155 MS	150	138
155 Mission Support Flight	19	20
155 Mission Support Group	8	8
155 Operations Group	6	4
155 Operations Support Flight	25	23
155 Security Forces Squadron	73	83
155 Services Flight	21	23
173 Air Refueling Squadron	65	75
8155 Student Flight	20	53
HQ NEANG	33	32
TOTALS	892	902

13. MAJOR EQUIPMENT AND AIRCRAFT

<u>TYPE</u>	<u>AUTHORIZED</u>	ASSIGNED
KC-135R Aircraft	8	8
Support Equipment	242	210
Vehicle Equivalents	374	374

14 OUTSTANDING POLLUTION AND SAFETY(OSHA) DEFICIENCIES FY 2010
OUTSTANDING POLILITION AND SAFETY(OSHA) DEFICIENCIES FY 2010
ANDING POLLUTION AND SAFETY(OSHA) DEFICIENCIES FY 2010
POLLUTION AND SAFETY(OSHA) DEFICIENCIES FY 2010
N AND SAFETY(OSHA) DEFICIENCIES FY 2010
Y(OSHA) DEFICIENCIES FY 2010
ENCIES FY 2010

CATEGORY			CST	DESIGN	STATUS
CODE	PROJECT TITLE	SCOPE	\$(000)	START	CMPL

1. COMPONE ANG	NT		RD AND RESERVE CONSTRUCTION		2. DATE MAY 200	9
	TION AND LOCA		CONDINCTION		4. AREA C	CONSTR
ANSFIELD	I AHM AIRPORT	, MANSFIELD, OF	HIO		COST IN	
. FREQUEN	CY AND TYPE O	F UTILIZATION			ı	
			unit training assemblies p			
ear, daily use	by air technician i	orce plus three even	ings per week in support	of flying trainii	ng activities.	
CTUED AC		ECEDAE DICEALL	ATIONIC WITHIN 15 M	H EC DADIHO		
		and 1 Army Reserve	ATIONS WITHIN 15 M Training Center	ILES KADIUS		
·	•	•	Ç			
	REQUESTED IN	THIS PROGRAM:	FY 2010			
CATEGORY	DDOIECT		SCODE	COST		STATUS
<u>CODE</u>	<u>PROJECT</u>	IIILE	<u>SCOPE</u>	<u>\$(000)</u>	<u>START</u>	<u>CMPL</u>
171-445 T	FI - RED HORSE	E Squadron	4,710 SM (50,700 SF)	11,400	Jan 07	Sep 09
	Beddown					
S STATE RE	SERVE FORCES	FACII ITIES ROAF	RD RECOMMENDATIO	N		
			RD RECOMMENDATIO		d for nossih	le joint
Facilities ident	ified in item 6 hav	e been examined by	the State Reserve Forces	Facilities Boar		le joint
Facilities ident	ified in item 6 hav	e been examined by		Facilities Boar	1 May 08	le joint
Facilities ident	ified in item 6 hav	e been examined by	the State Reserve Forces	Facilities Boar		le joint
Facilities ident	ified in item 6 hav	e been examined by	the State Reserve Forces	Facilities Boar	1 May 08	le joint
Facilities ident use/expansion.	ified in item 6 hav The Board recom	e been examined by nmendations are: Un	the State Reserve Forces	Facilities Boar	1 May 08	le joint
Facilities ident use/expansion. 9. LAND ACC	ified in item 6 have The Board recom	e been examined by immendations are: Un	the State Reserve Forces illateral Construction App	Facilities Boar proved 2	1 May 08	
Facilities identuse/expansion. 9. LAND ACC	ified in item 6 have The Board recom	e been examined by nmendations are: Un	the State Reserve Forces illateral Construction App	Facilities Boar proved 2	1 May 08 (Date)	es)
Facilities identuse/expansion. 9. LAND ACC 10. PROJECT CATEGORY	ified in item 6 have The Board recome QUISITION REQUESITION REQUES	e been examined by immendations are: Un JIRED NEXT FOUR YEAR	the State Reserve Forces illateral Construction App	Facilities Boar proved 2	1 May 08 (Date)	- ss) COST
Facilities identiuse/expansion. P. LAND ACC	ified in item 6 have The Board recom	e been examined by immendations are: Un JIRED NEXT FOUR YEAR	the State Reserve Forces illateral Construction App	Facilities Boar proved 2	1 May 08 (Date)	es)
Facilities identionse/expansion. D. LAND ACCOOL O. PROJECT CATEGORY CODE	ified in item 6 have The Board recome QUISITION REQUESTION PROJECT	e been examined by immendations are: Un UIRED NEXT FOUR YEAR	the State Reserve Forces illateral Construction App	Facilities Boar proved 2 (Nur	1 May 08 (Date) The of Acre	COST \$(000)
Facilities identise/expansion. P. LAND ACC O. PROJECT CATEGORY CODE 219-946	The Board recome QUISITION REQUESTRIANS PROJECT DRBS Storage Fa	e been examined by immendations are: Un UIRED NEXT FOUR YEAR TITLE	the State Reserve Forces illateral Construction App	Facilities Boar proved 2	1 May 08 (Date) The of Acre	- ss) COST
Facilities identise/expansion. P. LAND ACC O. PROJECT CATEGORY CODE 219-946	The Board recome QUISITION REQUESTRIANS PROJECT DRBS Storage Fa	e been examined by immendations are: Un UIRED NEXT FOUR YEAR	the State Reserve Forces illateral Construction App	Facilities Boar proved 2 (Nur	1 May 08 (Date) The of Acre	COST \$(000)
Facilities identiuse/expansion. 9. LAND ACC 10. PROJECT CATEGORY CODE 219-946	The Board recome QUISITION REQUESTRIANS PROJECT DRBS Storage Fa	e been examined by immendations are: Un UIRED NEXT FOUR YEAR TITLE	the State Reserve Forces illateral Construction App	Facilities Boar proved 2 (Nur	1 May 08 (Date) The of Acre	COST \$(000)
Facilities identialse/expansion. P. LAND ACC O. PROJECT CATEGORY CODE 219-946	The Board recome QUISITION REQUESTRIANS PROJECT DRBS Storage Fa	e been examined by immendations are: Un UIRED NEXT FOUR YEAR TITLE	the State Reserve Forces illateral Construction App	Facilities Boar proved 2 (Nur	1 May 08 (Date) The of Acre	COST \$(000)
Facilities identiuse/expansion. 9. LAND ACC 10. PROJECT CATEGORY CODE 219-946	The Board recome QUISITION REQUESTRIANS PROJECT DRBS Storage Fa	e been examined by immendations are: Un UIRED NEXT FOUR YEAR TITLE	the State Reserve Forces illateral Construction App	Facilities Boar proved 2 (Nur	1 May 08 (Date) The of Acre	COST \$(000)
Pacilities identise/expansion. D. LAND ACC O. PROJECT CATEGORY CODE 219-946	The Board recome QUISITION REQUESTRIANS PROJECT DRBS Storage Fa	e been examined by immendations are: Un UIRED NEXT FOUR YEAR TITLE	the State Reserve Forces illateral Construction App	Facilities Boar proved 2 (Nur	1 May 08 (Date) The of Acre	COST \$(000)
Facilities identise/expansion. P. LAND ACC O. PROJECT CATEGORY CODE 219-946	The Board recome QUISITION REQUESTRIANS PROJECT DRBS Storage Fa	e been examined by immendations are: Un UIRED NEXT FOUR YEAR TITLE	the State Reserve Forces illateral Construction App	Facilities Boar proved 2 (Nur	1 May 08 (Date) The of Acre	COST \$(000)

1. COMPONENT	FY 2010 GUARD AND RESERVE	2. DATE
ANG	MILITARY CONSTRUCTION	MAY 2009

MANSFIELD LAHM AIRPORT, MANSFIELD, OHIO

11. PERSONNEL STRENGTH AS OF 01 Jul 08

	PERMANENT			Gl	UARD/RESI	ERVE	
	TOTAL OFFICER ENLISTED CIVILIAN		TOTAL	OFFICER	ENLISTED		
AUTHORIZED	256	30	226	0	1,046	139	907
ACTUAL	256	30	226	0	1,089	140	949

12. RESERVE UNIT DATA

	STRE	ENGTH
<u>UNIT DESIGNATION</u>	AUTHORIZED	ACTUAL
164 AS	126	116
179 Aircraft Maintenance Squadron	54	45
179 Aerial Port Squadron	0	21
179 Airlift Wing	50	61
179 Civil Engineering Squadron	36	42
179 Communication Flight	34	41
179 Logistics Readiness Squadron	122	130
179 Medical Group	45	55
179 MOF	21	15
179 Mission Support Flight	18	24
179 Mission Support Group	8	10
179 Maintenance Group	12	7
179 Maintenance Squadron	153	176
179 Operations Group	6	7
179 Operations Support Flight	21	23
179 Security Forces Squadron	73	84
179 Student Flight	25	0
179 Services Flight	42	46
200 Red Horse Squadron	200	<u> 186</u>
TOTALS	1,046	1,089

13. MAJOR EQUIPMENT AND AIRCRAFT

<u>TYPE</u>	<u>AUTHORIZED</u>	ASSIGNED
C-130H Aircraft	8	8
Support Equipment	150	135
Vehicle Equivalents	277	284
Vehicles	90	95

14 OUTSTANDING POLLUTION AND SAFETY(OS	SHA) DEFICIENCIES FY 2010
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CATEGORY			CST	DESIGN	STATUS
CODE	PROJECT TITLE	SCOPE	\$(000)	START	CMPL

. COMPONENT ANG		GUARD AND RESERVE RY CONSTRUCTION		2. DATE MAY 2009	9
	N AND LOCATION	RT CONSTRUCTION		4. AREA C	CONSTR
VILL ROGERS WO	ORLD AIRPORT, OKLAHO	MA CITY OKI AHOMA		COST IN	
. FREQUENCY A	ND TYPE OF UTILIZATIO		r, daily use b		
inker AFB, Joint F		ALLATIONS WITHIN 15 MII Regional Training Center, 23r			and Marin
. PROJECTS REQ	UESTED IN THIS PROGRA	AM: FY 2010			
CATEGORY <u>CODE</u>	PROJECT TITLE		COST \$(000)	DESIGN START	STATUS CMPL
141-753 TFI - A	ASOS Beddown	3,230 SM (34,775 SF)	7,300	Jan 07	Sep 09
Facilities identified i	in item 6 have been examined	OARD RECOMMENDATION I by the State Reserve Forces F Unilateral Construction Appr	Facilities Boa	ard for possibl 16 Oct 07 (Date)	le joint
acilities identified i	in item 6 have been examined	by the State Reserve Forces F	Facilities Boa	16 Oct 07	le joint
Facilities identified in ise/expansion. The	in item 6 have been examined	by the State Reserve Forces F	Facilities Boa	16 Oct 07 (Date)	
Facilities identified in itse/expansion. The December 2015	In item 6 have been examined Board recommendations are:	l by the State Reserve Forces F Unilateral Construction Appr	Facilities Boa	16 Oct 07 (Date)	
Facilities identified in itse/expansion. The D. LAND ACQUISTO. PROJECTS PLACATEGORY	in item 6 have been examined Board recommendations are: ITION REQUIRED ANNED IN NEXT FOUR YIELD	l by the State Reserve Forces F Unilateral Construction Appr	Facilities Boaroved (Nu	None Imber of Acre	cost
Facilities identified in itse/expansion. The Projects Plant 10. Projec	In item 6 have been examined Board recommendations are:	l by the State Reserve Forces F Unilateral Construction Appr	Facilities Boa	None Imber of Acre	- ss)
Eacilities identified in itse/expansion. The control of the contro	in item 6 have been examined Board recommendations are: ITION REQUIRED ANNED IN NEXT FOUR YIELD	by the State Reserve Forces F Unilateral Construction Appr	Facilities Boaroved (Nu	None Imber of Acre	- ss) COST
Facilities identified in itse/expansion. The D. LAND ACQUISTO. PROJECTS PLACATEGORY CODE	In item 6 have been examined Board recommendations are: ITION REQUIRED ANNED IN NEXT FOUR YIELD PROJECT TITLE	by the State Reserve Forces F Unilateral Construction Appr	Facilities Boaroved (Nu	None Imber of Acre	- ss) COST
Facilities identified in itse/expansion. The Dise/expansion. The D	In item 6 have been examined Board recommendations are: ITION REQUIRED ANNED IN NEXT FOUR YIELD PROJECT TITLE	by the State Reserve Forces F Unilateral Construction Appr	Facilities Boaroved (Nu	None Imber of Acre	- ss) COST
Facilities identified in itse/expansion. The Dise/expansion. The D	In item 6 have been examined Board recommendations are: ITION REQUIRED ANNED IN NEXT FOUR YIELD PROJECT TITLE	by the State Reserve Forces F Unilateral Construction Appr	Facilities Boaroved (Nu	None Imber of Acre	- ss) COST
acilities identified is se/expansion. The se/expansion. The LAND ACQUISTON PROJECTS PLACATEGORY CODE	In item 6 have been examined Board recommendations are: ITION REQUIRED ANNED IN NEXT FOUR YIELD PROJECT TITLE	by the State Reserve Forces F Unilateral Construction Appr	Facilities Boaroved (Nu	None Imber of Acre	cost

ANG MILITARY CONSTRUCTION 3. INSTALLATION AND LOCATION WILL ROGERS WORLD AIRPORT, OKLAHOMA CITY, OKLAHOMA 11. PERSONNEL STRENGTH AS OF 15 Jul 08 PERMANENT GUARD/RESERVE TOTAL OFFICER ENLISTED CIVILIAN TOTAL OFFICER ENLISTED AUTHORIZED 339 45 293 1 1,103 183 920	1. COMPONENT	FY 20	10 GUARD AN	D RESERVE	2. DA	TE		
S. INSTALLATION AND LOCATION								
PERSONNEL STRENGTH AS OF 15 Jul 08 PERMANENT GUARD/RESERVE TOTAL OFFICER ENLISTED CIVILIAN TOTAL OFFICER ENLISTE CUTUAL 264 40 223 1 1,103 183 920 CTUAL 264 40 223 1 1,109 167 1,032 RESERVE UNIT DATA STRENGTH AUTHORIZED ACTUAL UNIT DESIGNATION AUTHORIZED ACTUAL 137 Air Control Squadron 102 116 137 Air Refueling Wing 55 61 137 Air Refueling Wing 55 61 137 Air Refueling Wing 55 61 137 Communication Flight 34 45 139 Detachment 1 63 1 137 Dejistics Readiness Squadron 100 149 137 Maintenance Operations Flight 20 23 137 Maintenance Operations Flight 21 17 137 Mission Support Flight 20 23 137 Maintenance Group 15 13 137 Maintenance Group 15 13 137 Maintenance Group 15 13 137 Maintenance Squadron 138 140 137 Operations Group 8 6 138 Air Refueling Squadron 52 58 205 Engineering Installation Squadron 108 127 HQ OK ANG 70 AUTHORIZED ASSIGNED **TOTALS 1,103 1,199 **TOTALS AUTHORIZED ASSIGNED **TOTALS AUTHORIZED AUTHORIZED AUTHORIZED **T	. INSTALLATIO	1			'			
PERSONNEL STRENGTH AS OF 15 Jul 08 PERMANENT GUARD/RESERVE								
PERMANENT				OKLAHOMA				
TOTAL OFFICER ENLISTED CIVILIAN TOTAL OFFICER ENLISTE CIVILIAN TOTAL OFFICER TOTAL	1. PERSONNEL	STRENGTH AS OF 15 J	ul 08					
NUTHORIZED 339 45 293 1 1,103 183 920 NUTHORIZED 264 40 223 1 1,199 167 1,032 2. RESERVE UNIT DATA		PFRMA	NENT	GUARD/RESERVE				
ACTUAL 339 45 293 1 1,103 183 920 ACTUAL 264 40 223 1 1,109 167 1,032 12. RESERVE UNIT DATA UNIT DESIGNATION								
UNIT DESIGNATION AUTHORIZED ACTUAL 137 Air Control Squadron 14 19 137 Airlift Evacuation Squadron 102 116 137 Aircraft Maintenance Squadron 48 51 137 Aerial Port Flight 0 6 137 Air Refueling Wing 55 61 137 Civil Engineering Squadron 93 97 137 Communication Flight 34 45 137 Detachment 63 1 137 Logistsics Readiness Squadron 100 149 137 Medical Group 56 59 137 Maintenance Operations Flight 21 17 137 Mission Support Flight 20 23 137 Mission Support Flight 21 17 137 Mission Support Group 8 7 137 Maintenance Group 15 13 137 Maintenance Squadron 138 140 137 Operations Group 8 6 137 Operations Group 8 6 137 Operations Support Flight 22 31 137 Security Forces Squadron 73 89 137 Services Flight 41 52 185 Air Refueling Squadron 52 58 205 Engineering Installation Squadron 108 127 HQ OK ANG 32 32 TOTALS 1,103 1,199 13. MAJOR EQUIPMENT AND AIRCRAFT						920		
UNIT DESIGNATION AUTHORIZED ACTUAL 137 Air Control Squadron 14 19 137 Air Lift Evacuation Squadron 1002 116 137 Air Air Air Maintenance Squadron 48 51 137 Aerial Port Flight 0 6 137 Air Refueling Wing 55 61 137 Civil Engineering Squadron 93 97 137 Communication Flight 34 45 137 Detachment 1 63 1 137 Logistsics Readiness Squadron 100 149 137 Medical Group 56 59 137 Maintenance Operations Flight 21 17 137 Mission Support Flight 20 23 137 Mission Support Group 8 7 137 Maintenance Group 15 13 137 Maintenance Squadron 138 140 137 Operations Group 8 6 137 Operations Group 8 6 137 Operations Group 8 6 137 Operations Support Flight 22 31 137 Security Forces Squadron 73 89 137 Services Flight 41 52 185 Air Refueling Squadron 52 58 205 Engineering Installation Squadron 108 127 HQ OK ANG 32 32 TOTALS 1,103 1,199 13. MAJOR EQUIPMENT AND AIRCRAFT 1497 497 Refuelers 4 4 4 Vehicle Equivalents 497 497	ACTUAL	264 40	223	1 1	,199 167	1,032		
UNIT DESIGNATION AUTHORIZED ACTUAL 137 Air Control Squadron 114 19 137 Air Lift Evacuation Squadron 1002 116 137 Air Air Air Haintenance Squadron 48 51 137 Aerial Port Hight 0 6 137 Air Refueling Wing 55 61 137 Civil Engineering Squadron 93 97 137 Communication Flight 34 45 137 Detachment I 63 1 137 Logistsics Readiness Squadron 100 149 137 Medical Group 56 59 137 Maintenance Operations Flight 21 17 137 Mission Support Flight 20 23 137 Mission Support Group 8 7 137 Maintenance Group 15 13 137 Maintenance Squadron 138 140 137 Operations Group 8 6 137 Operations Group 8 6 137 Operations Group 8 6 137 Operations Support Flight 22 31 137 Security Forces Squadron 73 89 137 Services Flight 41 52 185 Air Refueling Squadron 52 58 205 Engineering Installation Squadron 108 127 HQ OK ANG 32 32 TOTALS 1,103 1,199 3. MAJOR EQUIPMENT AND AIRCRAFT TYPE AUTHORIZED ASSIGNED Refuelers 4 4 Vehicle Equivalents 497 497	a pegepte in	VIII D 4 III 4						
UNIT DESIGNATION AUTHORIZED ACTUAL 137 Air Control Squadron 14 19 137 Airlift Evacuation Squadron 102 116 137 Aircraft Maintenance Squadron 48 51 137 Aerial Port Flight 0 6 137 Air Refueling Wing 55 61 137 Civil Engineering Squadron 93 97 137 Communication Flight 34 45 137 Detachment 1 63 1 137 Logistsics Readiness Squadron 100 149 137 Medical Group 56 59 137 Medical Group 56 59 137 Maintenance Operations Flight 21 17 137 Mission Support Group 8 7 137 Maintenance Group 15 13 137 Maintenance Squadron 138 140 137 Operations Group 8 6 137 Operations Support Flight 22 31 137 Security Forces Squadron 73 89 137 Services Flight 41 52	2. RESERVE UN	IT DATA						
137 Air Control Squadron					STRENGTH			
137 Airlift Evacuation Squadron 102 116 137 Aircraft Maintenance Squadron 48 51 137 Aerial Port Flight 0 6 137 Air Refueling Wing 55 61 137 Civil Engineering Squadron 93 97 137 Communication Flight 34 45 137 Detachment 1 63 1 137 Logistsics Readiness Squadron 100 149 137 Medical Group 56 59 137 Maintenance Operations Flight 21 17 137 Mission Support Flight 20 23 137 Mission Support Flight 20 23 137 Maintenance Group 15 13 137 Maintenance Squadron 138 140 137 Operations Group 8 6 137 Operations Support Flight 22 31 137 Security Forces Squadron 73 89 137 Services Flight 41 52 185 Air Refueling Squadron 52 58 205 Engineering Installation Squadron 108 127 HQ OK ANG 32 32				AUTHO		ΓUAL		
137 Aircraft Maintenance Squadron 48 51 137 Aerial Port Flight 0 6 137 Air Refueling Wing 55 61 137 Civil Engineering Squadron 93 97 137 Communication Flight 34 45 137 Detachment 1 63 1 137 Logistsics Readiness Squadron 100 149 137 Medical Group 56 59 137 Maintenance Operations Flight 21 17 137 Mission Support Flight 20 23 137 Mission Support Group 8 7 137 Maintenance Group 15 13 137 Maintenance Group 15 13 137 Operations Group 8 6 137 Operations Support Flight 22 31 137 Security Forces Squadron 73 89 137 Services Flight 41 52 185 Air Refueling Squadron 52 58 205 Engineering Installation Squadron 108 127 HQ OK ANG 32 32 TOTALS 1,103 1,199 13. MAJOR EQUIP								
137 Aerial Port Flight 0 6 137 Air Refueling Wing 55 61 137 Civil Engineering Squadron 93 97 137 Communication Flight 34 45 137 Detachment 1 63 1 137 Logistsics Readiness Squadron 100 149 137 Medical Group 56 59 137 Maintenance Operations Flight 21 17 137 Mission Support Flight 20 23 137 Mission Support Group 8 7 137 Maintenance Group 15 13 137 Maintenance Squadron 138 140 137 Operations Group 8 6 137 Operations Group 8 6 137 Operations Support Flight 22 31 137 Security Forces Squadron 73 89 137 Services Flight 41 52 185 Air Refueling Squadron 52 58 205 Engineering Installation Squadron 108 127 HQ OK ANG 70 32 32 TOTALS 1,103 1,199 13. MAJ								
137 Air Refueling Wing 55 61 137 Civil Engineering Squadron 93 97 137 Communication Flight 34 45 137 Detachment 1 63 1 137 Logistsics Readiness Squadron 100 149 137 Medical Group 56 59 137 Medical Group 56 59 137 Maintenance Operations Flight 21 17 137 Mission Support Flight 20 23 137 Mission Support Group 8 7 137 Maintenance Group 15 13 137 Maintenance Squadron 138 140 137 Operations Group 8 6 137 Operations Group 8 6 137 Operations Support Flight 22 31 137 Security Forces Squadron 73 89 137 Services Flight 41 52 185 Air Refueling Squadron 52 58 205 Engineering Installation Squadron 108 127 HQ OK ANG 32 32 TOTALS 1,103 1,199 ASSIGNED ASSIGNED ASSIGNED ASSIG								
137 Civil Engineering Squadron 93 97 137 Communication Flight 34 45 137 Detachment 1 63 1 137 Logistsics Readiness Squadron 100 149 137 Medical Group 56 59 137 Maintenance Operations Flight 21 17 137 Mission Support Flight 20 23 137 Mission Support Group 8 7 137 Maintenance Group 15 13 137 Maintenance Squadron 138 140 137 Operations Group 8 6 137 Operations Support Flight 22 31 137 Security Forces Squadron 73 89 137 Services Flight 41 52 185 Air Refueling Squadron 52 58 205 Engineering Installation Squadron 108 127 HQ OK ANG 32 32 TOTALS 1,103 1,199 13. MAJOR EQUIPMENT AND AIRCRAFT AUTHORIZED ASSIGNED AUTHORIZED ASSIGNED AUTHORIZED AUT		C						
137 Communication Flight 34 45 137 Detachment I 63 1 137 Logistsics Readiness Squadron 100 149 137 Medical Group 56 59 137 Maintenance Operations Flight 21 17 137 Mission Support Flight 20 23 137 Mission Support Group 8 7 137 Maintenance Group 15 13 137 Maintenance Squadron 138 140 137 Operations Group 8 6 137 Operations Support Flight 22 31 137 Security Forces Squadron 73 89 137 Services Flight 41 52 185 Air Refueling Squadron 52 58 205 Engineering Installation Squadron 108 127 HQ OK ANG 32 32 TOTALS 1,103 1,199 13. MAJOR EQUIPMENT AND AIRCRAFT AUTHORIZED ASSIGNED Refuelers 4 4 Vehicle Equivalents 497 497								
137 Detachment 1								
137 Logistsics Readiness Squadron 100 149 137 Medical Group 56 59 137 Maintenance Operations Flight 21 17 137 Mission Support Flight 20 23 137 Mission Support Group 8 7 137 Maintenance Group 15 13 137 Maintenance Squadron 138 140 137 Operations Group 8 6 137 Operations Support Flight 22 31 137 Security Forces Squadron 73 89 137 Services Flight 41 52 185 Air Refueling Squadron 52 58 205 Engineering Installation Squadron 108 127 HQ OK ANG 32 32 TOTALS 1,103 1,199 33. MAJOR EQUIPMENT AND AIRCRAFT AUTHORIZED ASSIGNED Refuelers 4 4 Vehicle Equivalents 497 497								
137 Medical Group 56 59 137 Maintenance Operations Flight 21 17 137 Mission Support Flight 20 23 137 Mission Support Group 8 7 137 Maintenance Group 15 13 137 Maintenance Squadron 138 140 137 Operations Group 8 6 137 Operations Support Flight 22 31 137 Security Forces Squadron 73 89 137 Services Flight 41 52 185 Air Refueling Squadron 52 58 205 Engineering Installation Squadron 108 127 HQ OK ANG 32 32 TOTALS 1,103 1,199 33. MAJOR EQUIPMENT AND AIRCRAFT Assigned 4 4 Vehicle Equivalents 497 497								
137 Maintenance Operations Flight 21 17 137 Mission Support Flight 20 23 137 Mission Support Group 8 7 137 Maintenance Group 15 13 137 Maintenance Squadron 138 140 137 Operations Group 8 6 137 Operations Support Flight 22 31 137 Security Forces Squadron 73 89 137 Services Flight 41 52 185 Air Refueling Squadron 52 58 205 Engineering Installation Squadron 108 127 HQ OK ANG 32 32 TOTALS 1,103 1,199 ASSIGNED AUTHORIZED ASSIGNED AUTHORIZED AUTHO								
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