

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>	<u>INSTALLATION AND PROJECT</u>	<u>AUTH/APPN AMOUNT (\$000)</u>	<u>PAGE NO.</u>
Arizona	Davis-Monthan (AFB)		
	TFI - Predator Beddown - Full Operational Capability (FOC)	<u>5,600</u>	II-1
	Sub-Total Arizona	5,600	
California	Southern California Logistics Airport (SCLA)		
	TFI - Predator Beddown - Flight Training Unit (FTU)/LRE Site	<u>8,400</u>	II-4
	Sub-Total California	8,400	
Hawaii	Hickam (AFB)		
	TFI - F-22 LO/Composite Repair Facility	26,000	II-7
	TFI - F-22 Parking Apron and Taxiways	<u>7,000</u>	II-10
	Sub-Total Hawaii	33,000	
Maine	Bangor (IAP)		
	Replace Aircraft Maintenance Hangar and Shops	<u>28,000</u>	II-13
	Sub-Total Maine	28,000	
Maryland	Andrews (AFB)		
	Replace Munitions Maintenance and Storage Complex	<u>14,000</u>	II-16
	Sub-Total Maryland	14,000	
Nebraska	Lincoln (MAP)		
	Joint Forces Operations Center - ANG Share	<u>1,500</u>	II-20
	Sub-Total Nebraska	1,500	
Ohio	Mansfield Lahm Airport		
	TFI - RED HORSE Squadron Beddown	<u>11,400</u>	II-23
	Sub-Total Ohio	11,400	
Oklahoma	Will Rogers World Airport		
	TFI-Air Support Operations Squadron Beddown	<u>7,300</u>	II-26
	Sub-Total Oklahoma	7,300	
	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	26,000	N
	TFI - F-22 Parking Apron and Taxiways	7,000	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	0	
	TOTAL ENVIRONMENTAL	0	
	TOTAL NEW MISSION (6)	65,700	
	TOTAL CURRENT MISSION (3)	43,500	
	GRAND TOTAL - FY 2010 REQUEST	128,261	

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

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 ANG	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE MAY 2009
3. INSTALLATION AND LOCATION DAVIS MONTHAN AIR FORCE BASE, ARIZONA		4. PROJECT TITLE TFI - PREDATOR BEDDOWN - FOC	
5. PROGRAM ELEMENT 53219F	6. CATEGORY CODE 141-753	7. PROJECT NUMBER FBNV069124	8. PROJECT COST(\$000) \$5,600

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	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%)				252
TOTAL CONTRACT COST				5,289
SUPERVISION, INSPECTION AND OVERHEAD (6%)				317
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.
Air Conditioning: 350 KW.

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.
CURRENT SITUATION: 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

1. COMPONENT ANG	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE MAY 2009
3. INSTALLATION AND LOCATION DAVIS MONTHAN AIR FORCE BASE, ARIZONA		
5. PROJECT TITLE TFI - PREDATOR BEDDOWN - FOC	7. PROJECT NUMBER FBNV069124	
<p>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.</p> <p><u>IMPACT IF NOT PROVIDED:</u> 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.</p> <p><u>ADDITIONAL:</u> 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 (EPA05) and Executive Order 13423.</p> <p>SQUADRON OPERATIONS AREA 1,115 SM = 12,000 SF GROUND CONTROL STATION/POC/COMM AREA 465 SM = 5,000 SF</p>		

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3. INSTALLATION AND LOCATION DAVIS MONTHAN AIR FORCE BASE, ARIZONA																														
5. PROJECT TITLE TFI - PREDATOR BEDDOWN - FOC	7. PROJECT NUMBER FBNV069124																													
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>AUG 2006</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>No</td> </tr> <tr> <td>(c) Percent Complete as of Jan 2009</td> <td>35%</td> </tr> <tr> <td>(d) Date 35% Designed</td> <td>NOV 2007</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>SEP 2009</td> </tr> <tr> <td>(f) Type of Design Contract</td> <td></td> </tr> <tr> <td>(g) Energy Study/Life-Cycle analysis was/will be performed</td> <td>YES</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>360</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>180</td> </tr> <tr> <td>(c) Total</td> <td>540</td> </tr> <tr> <td>(d) Contract</td> <td>540</td> </tr> <tr> <td>(e) In-House</td> <td></td> </tr> </table> <p>(4) Contract Award (Month/Year) MAR 2010</p> <p>(5) Construction Start APR 2010</p> <p>(6) Construction Completion APR 2011</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> <p>POINT OF CONTACT: Richard G. Thomas (301) 836-7130</p>			(a) Date Design Started	AUG 2006	(b) Parametric Cost Estimates used to develop costs	No	(c) Percent Complete as of Jan 2009	35%	(d) Date 35% Designed	NOV 2007	(e) Date Design Complete	SEP 2009	(f) Type of Design Contract		(g) Energy Study/Life-Cycle analysis was/will be performed	YES	(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used -	N/A	(a) Production of Plans and Specifications	360	(b) All Other Design Costs	180	(c) Total	540	(d) Contract	540	(e) In-House	
(a) Date Design Started	AUG 2006																													
(b) Parametric Cost Estimates used to develop costs	No																													
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1. COMPONENT ANG	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE MAY 2009
3. INSTALLATION AND LOCATION SOUTH CALIFORNIA LOGISTICS AIRPORT, CALIFORNIA			4. PROJECT TITLE TFI - PREDATOR BEDDOWN - FTU/LRE SITE	
5. PROGRAM ELEMENT 53219F	6. CATEGORY CODE 211-111	7. PROJECT NUMBER SCLA069165	8. PROJECT COST(\$000) \$8,400	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
MAINTENANCE HANGAR AND SHOPS	SM	1,626		6,283
HANGAR BAY AREA	SM	1,115	3,509	(3,913)
GENERAL PURPOSE SHOP AREA	SM	186	3,509	(653)
AIRCRAFT MAINTENANCE UNIT AREA	SM	139	3,509	(488)
LAUNCH/RECOVERY CONTROL CENTER AREA	SM	186	3,509	(653)
ANTITERRORISM FORCE PROTECTION	SM	1,626	22	(36)
ACCESS TAXIWAY	LS			(350)
SDD&EPACT(3%FOR LEED CERT/ENERGY CONSERV)	LS			(190)
SUPPORTING FACILITIES				1,270
UTILITIES	LS			(350)
COMMUNICATIONS SUPPORT	LS			(150)
ACCESS PAVEMENTS/SITE IMPROVEMENTS	LS			(250)
STANDBY POWER	LS			(120)
FIRE SUPPRESSION SYSTEM SUPPORT	LS			(400)
SUBTOTAL				7,553
CONTINGENCY (5%)				378
TOTAL CONTRACT COST				7,931
SUPERVISION, INSPECTION AND OVERHEAD (6%)				476
TOTAL REQUEST				8,407
TOTAL REQUEST (ROUNDED)				8,400
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				

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3. INSTALLATION AND LOCATION SOUTH CALIFORNIA LOGISTICS AIRPORT, CALIFORNIA																														
5. PROJECT TITLE TFI - PREDATOR BEDDOWN - FTU/LRE SITE		7. PROJECT NUMBER SCLA069165																												
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>JAN 2007</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>No</td> </tr> <tr> <td>(c) Percent Complete as of Jan 2009</td> <td>35%</td> </tr> <tr> <td>(d) Date 35% Designed</td> <td>JAN 2009</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>SEP 2009</td> </tr> <tr> <td>(f) Type of Design Contract</td> <td></td> </tr> <tr> <td>(g) Energy Study/Life-Cycle analysis was/will be performed</td> <td>YES</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>No</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td></td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>336</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>168</td> </tr> <tr> <td>(c) Total</td> <td>504</td> </tr> <tr> <td>(d) Contract</td> <td>504</td> </tr> <tr> <td>(e) In-House</td> <td></td> </tr> </table> <p>(4) Contract Award (Month/Year) FEB 2010</p> <p>(5) Construction Start MAR 2010</p> <p>(6) Construction Completion MAR 2011</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> <p>POINT OF CONTACT: Richard G. Thomas (301) 836-7130</p>			(a) Date Design Started	JAN 2007	(b) Parametric Cost Estimates used to develop costs	No	(c) Percent Complete as of Jan 2009	35%	(d) Date 35% Designed	JAN 2009	(e) Date Design Complete	SEP 2009	(f) Type of Design Contract		(g) Energy Study/Life-Cycle analysis was/will be performed	YES	(a) Standard or Definitive Design -	No	(b) Where Design Was Most Recently Used -		(a) Production of Plans and Specifications	336	(b) All Other Design Costs	168	(c) Total	504	(d) Contract	504	(e) In-House	
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1. COMPONENT ANG	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE MAY 2009
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII			4. PROJECT TITLE TFI - F-22 LO/COMPOSITE REPAIR FACILITY	
5. PROGRAM ELEMENT 51721F	6. CATEGORY CODE 211-159	7. PROJECT NUMBER KNMD069208	8. PROJECT COST(\$000) \$26,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
F-22 LO/COMPOSITE REPAIR FACILITY	SM	3,252		19,299
TWO-BAY LO/COMPOSITE REPAIR FACILITY	SM	3,252	5,705	(18,553)
ANTITERRORISM FORCE PROTECTION	SM	3,252	54	(176)
SDD&EPACT(3%FOR LEED CERT/ENERGY CONSERV)	LS			(570)
SUPPORTING FACILITIES				4,125
PAVEMENTS	LS			(975)
UTILITIES	LS			(810)
SITE IMPROVEMENTS	LS			(660)
COMMUNICATION SUPPORT	LS			(200)
FIRE PROTECTION SUPPORT	LS			(800)
SECURITY MEASURES	LS			(260)
DRAINAGE IMPROVEMENT	LS			(420)
SUBTOTAL				23,424
CONTINGENCY (5%)				<u>1,171</u>
TOTAL CONTRACT COST				24,595
SUPERVISION, INSPECTION AND OVERHEAD (6%)				<u>1,476</u>
TOTAL REQUEST				26,071
TOTAL REQUEST (ROUNDED)				26,000
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 <u>PROJECT:</u> F-22 Construct Low Observable (LO) and Composite Repair Facility (New Mission) <u>REQUIREMENT:</u> 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.				

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3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII		
5. PROJECT TITLE TFI - F-22 LO/COMPOSITE REPAIR FACILITY	7. PROJECT NUMBER KNMD069208	
<p><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.</p> <p><u>ADDITIONAL:</u> 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 (EPA05) and Executive Order 13423.</p> <p>TWO-BAY LO/COMPOSITE REPAIR FACILITY 3,252 SM = 35,000 SF</p>		

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3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII																														
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<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>MAY 2007</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>No</td> </tr> <tr> <td>(c) Percent Complete as of Jan 2009</td> <td>35%</td> </tr> <tr> <td>(d) Date 35% Designed</td> <td>JAN 2009</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>JUN 2010</td> </tr> <tr> <td>(f) Type of Design Contract</td> <td></td> </tr> <tr> <td>(g) Energy Study/Life-Cycle analysis was/will be performed</td> <td>YES</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>No</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td></td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>2,340</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>780</td> </tr> <tr> <td>(c) Total</td> <td>3,120</td> </tr> <tr> <td>(d) Contract</td> <td>3,120</td> </tr> <tr> <td>(e) In-House</td> <td></td> </tr> </table> <p>(4) Contract Award (Month/Year) JUL 2010</p> <p>(5) Construction Start AUG 2010</p> <p>(6) Construction Completion AUG 2012</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> <p>POINT OF CONTACT: DONALD M. BOONE (301) 836-8090</p>			(a) Date Design Started	MAY 2007	(b) Parametric Cost Estimates used to develop costs	No	(c) Percent Complete as of Jan 2009	35%	(d) Date 35% Designed	JAN 2009	(e) Date Design Complete	JUN 2010	(f) Type of Design Contract		(g) Energy Study/Life-Cycle analysis was/will be performed	YES	(a) Standard or Definitive Design -	No	(b) Where Design Was Most Recently Used -		(a) Production of Plans and Specifications	2,340	(b) All Other Design Costs	780	(c) Total	3,120	(d) Contract	3,120	(e) In-House	
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3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII			4. PROJECT TITLE TFI - F-22 PARKING APRON AND TAXIWAYS	
5. PROGRAM ELEMENT 51721F	6. CATEGORY CODE 113-321	7. PROJECT NUMBER KNMD109501	8. PROJECT COST(\$000) \$7,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
F-22 PARKING APRON AND TAXIWAYS	SM	15,886		4,099
PARKING APRON AND TAXIWAYS	SM	15,886	258	(4,099)
SUPPORTING FACILITIES				2,215
UTILITIES	LS			(350)
SITE IMPROVEMENTS	LS			(320)
SUPPORTING PAVEMENTS/ ACCESS ROADS	LS			(320)
DRAINAGE IMPROVEMENTS	LS			(425)
RELOCATE UNDERGROUND UTILITIES	LS			(575)
RAMP LIGHTING	LS			(225)
SUBTOTAL				6,314
CONTINGENCY (5%)				316
TOTAL CONTRACT COST				6,630
SUPERVISION, INSPECTION AND OVERHEAD (6%)				398
TOTAL REQUEST				7,028
TOTAL REQUEST (ROUNDED)				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 <u>PROJECT:</u> 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. <u>CURRENT SITUATION:</u> 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				

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<p>project will be impacted and destroyed by the follow on parking ramp constructed programmed in later years.</p> <p>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.</p> <p>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.</p>		
<p>PARKING APRON AND TAXIWAYS 15,886 SM = 19,000 SY</p>		

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3. INSTALLATION AND LOCATION BANGOR INTERNATIONAL AIRPORT, MAINE			4. PROJECT TITLE REPLACE AIRCRAFT MAINTENANCE HANGAR AND SHOPS	
5. PROGRAM ELEMENT 52276F	6. CATEGORY CODE 211-111	7. PROJECT NUMBER FKNN089019	8. PROJECT COST(\$000) \$28,000	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
AIRCRAFT HANGAR AND SHOPS	SM	7,265		22,336
MAINTENANCE HANGAR AREA	SM	2,601	2,917	(7,587)
AVIONICS SHOP/ECM SHOP AREA	SM	502	2,917	(1,464)
WEAPON SYSTEM MAINTENANCE AREA	SM	985	2,917	(2,873)
SURVIVABLE EQUIPMENT SHOP AREA	SM	492	2,917	(1,435)
CORROSION CONTROL SHOP AREA	SM	139	2,917	(405)
GENERAL PURPOSE SHOPS AREA	SM	2,267	2,917	(6,613)
AIRCRAFT SUPPORT EQUIPMENT AREA	SM	279	2,917	(814)
ANTITERRORISM FORCE PROTECTION	SM	7,265	22	(160)
SDD&EPACT(3%FOR LEED CERT/ENERGY CONSERV)	LS			(660)
BASE SUPPLY HEATING SYSTEM	LS			(325)
SUPPORTING FACILITIES				3,062
UTILITIES	LS			(755)
PAVEMENTS	LS			(700)
DEMOLITION/ASBESTOS REMOVAL	SM	6,595	108	(712)
COMMUNICATION SUPPORT	LS			(100)
FIRE SUPPRESSION SYSTEM SUPPORT	LS			(550)
SITE IMPROVEMENTS	LS			(245)
SUBTOTAL				25,398
CONTINGENCY (5%)				1,270
TOTAL CONTRACT COST				26,668
SUPERVISION, INSPECTION AND OVERHEAD (6%)				1,600
TOTAL REQUEST				28,268
TOTAL REQUEST (ROUNDED)				28,000
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 <u>PROJECT:</u> Replace KC-135 Maintenance Hangar and Shops (Current Mission) <u>REQUIREMENT:</u> 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 shops. <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.				

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<p>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.</p> <p><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.</p> <p><u>ADDITIONAL:</u> 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 (EPA05) 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).</p> <table border="0" data-bbox="207 1514 1065 1780"> <tr> <td>MAINTENANCE HANGAR AREA</td> <td>2,601 SM = 28,000 SF</td> </tr> <tr> <td>AVIONICS SHOP/ECM SHOP AREA</td> <td>502 SM = 5,400 SF</td> </tr> <tr> <td>WEAPON SYSTEM MAINTENANCE AREA</td> <td>985 SM = 10,600 SF</td> </tr> <tr> <td>SURVIVABLE EQUIPMENT SHOP AREA</td> <td>492 SM = 5,300 SF</td> </tr> <tr> <td>CORROSION CONTROL SHOP AREA</td> <td>139 SM = 1,500 SF</td> </tr> <tr> <td>GENERAL PURPOSE SHOPS AREA</td> <td>2,267 SM = 24,400 SF</td> </tr> <tr> <td>AIRCRAFT SUPPORT EQUIPMENT AREA</td> <td>279 SM = 3,000 SF</td> </tr> <tr> <td>DEMOLITION/ASBESTOS REMOVAL</td> <td>6,595 SM = 70,991 SF</td> </tr> </table>			MAINTENANCE HANGAR AREA	2,601 SM = 28,000 SF	AVIONICS SHOP/ECM SHOP AREA	502 SM = 5,400 SF	WEAPON SYSTEM MAINTENANCE AREA	985 SM = 10,600 SF	SURVIVABLE EQUIPMENT SHOP AREA	492 SM = 5,300 SF	CORROSION CONTROL SHOP AREA	139 SM = 1,500 SF	GENERAL PURPOSE SHOPS AREA	2,267 SM = 24,400 SF	AIRCRAFT SUPPORT EQUIPMENT AREA	279 SM = 3,000 SF	DEMOLITION/ASBESTOS REMOVAL	6,595 SM = 70,991 SF
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3. INSTALLATION AND LOCATION ANDREWS AIR FORCE BASE, MARYLAND				
5. PROJECT TITLE REPLACE MUNITIONS MAINTENANCE AND STORAGE COMPLEX			7. PROJECT NUMBER AJXF049104	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	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%)				795
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				

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3. INSTALLATION AND LOCATION ANDREWS AIR FORCE BASE, MARYLAND		
5. PROJECT TITLE REPLACE MUNITIONS MAINTENANCE AND STORAGE COMPLEX	7. PROJECT NUMBER AJXF049104	
<p>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.</p> <p><u>CURRENT SITUATION:</u> 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 aircraft 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.</p> <p><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</p>		

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3. INSTALLATION AND LOCATION LINCOLN MUNICIPAL AIRPORT, NEBRASKA			4. PROJECT TITLE JOINT FORCES OPERATIONS CENTER - ANG SHARE	
5. PROGRAM ELEMENT 52276F	6. CATEGORY CODE 610-287	7. PROJECT NUMBER NGCB079069	8. PROJECT COST(\$000) \$1,500	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
JOINT FORCES OPERATIONS CENTER- ANG SHARE	SM	427		1,075
ANG SHARE	SM	427	2,476	(1,057)
ANTITERRORISM FORCE PROTECTION	SM	427	32	(14)
SDD&EP ACT(3%FOR LEED CERT/ENERGY CONSERV)	LS			(4)
SUPPORTING FACILITIES	LS			270
UTILITIES	LS			(95)
SITE IMPROVEMENTS	LS			(75)
PAVEMENTS	LS			(85)
COMMUNICATIONS SUPPORT	LS			(15)
SUBTOTAL				1,345
CONTINGENCY (5%)				<u>67</u>
TOTAL CONTRACT COST				1,412
SUPERVISION, INSPECTION AND OVERHEAD (6%)				<u>85</u>
TOTAL REQUEST				1,497
TOTAL REQUEST (ROUNDED)				1,500
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 <u>PROJECT:</u> 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.				

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3. INSTALLATION AND LOCATION MANSFIELD LAHM AIRPORT, OHIO			4. PROJECT TITLE TFI - RED HORSE SQUADRON BEDDOWN	
5. PROGRAM ELEMENT 59297F	6. CATEGORY CODE 171-445	7. PROJECT NUMBER PBXP069219	8. PROJECT COST(\$000) \$11,400	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
RED HORSE BEDDOWN	SM	4,710		8,382
OPERATIONS AND TRAINING AREA	SM	1,477	2,153	(3,180)
CIVIL ENGINEER STORAGE BUILDING AREA	SM	372	1,076	(400)
MAINTENANCE SHOP AREA	SM	1,301	1,938	(2,521)
PAVEMENTS AND GROUNDS SHOP AREA	SM	557	1,292	(720)
SUPPLY AND EQUIPMENT STORAGE AREA	SM	557	1,292	(720)
SUPPLY ADMINISTRATION AREA	SM	74	1,561	(116)
BASE SUPPLY SHED AREA	SM	372	1,076	(400)
ANTITERRORISM FORCE PROTECTION	SM	3,410	22	(75)
SDD&EPACT(3%FOR LEED CERT/ENERGY CONSERV)	LS			(250)
SUPPORTING FACILITIES	LS			1,861
UTILITIES	LS			(510)
PAVEMENTS	LS			(460)
SITE IMPROVEMENTS	LS			(155)
COMMUNICATIONS SUPPORT	LS			(120)
FIRE PROTECTION SUPPORT	LS			(550)
SECURITY FENCING AND GATES	LS			(66)
SUBTOTAL				10,243
CONTINGENCY (5%)				512
TOTAL CONTRACT COST				10,755
SUPERVISION, INSPECTION AND OVERHEAD (6%)				645
TOTAL REQUEST				11,400
TOTAL REQUEST (ROUNDED)				11,400
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				

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

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3. INSTALLATION AND LOCATION WILL ROGERS WORLD AIRPORT, OKLAHOMA			4. PROJECT TITLE TFI-AIR SUPPORT OPERATIONS SQUADRON BEDDOWN	
5. PROGRAM ELEMENT 52671F	6. CATEGORY CODE 141-753	7. PROJECT NUMBER YZEU069106	8. PROJECT COST(\$000) \$7,300	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ASOS BEDDOWN	SM	3,230		5,315
OPS AND SUPPORT SPACE	SM	1,305	2,228	(2,908)
SHOP AREA	SM	469	2,228	(1,045)
VEHICLE STORAGE AREA-RENOVATE BLDG 1020	SM	1,407	667	(938)
VEHICLE WASHRACK AREA	SM	49	4,575	(224)
ANTITERRORISM FORCE PROTECTION	SM	1,823	22	(40)
SDD&EPACT(3%FOR LEED CERT/ENERGY CONSERV)	LS			(160)
SUPPORTING FACILITIES	LS			1,250
UTILITIES	LS			(225)
PAVEMENTS	LS			(330)
SITE IMPROVEMENTS	LS			(200)
COMMUNICATIONS SUPPORT	LS			(90)
FIRE PROTECTION SUPPORT	LS			(300)
FENCING AND GATES	LS			(105)
SUBTOTAL				6,565
CONTINGENCY (5%)				328
TOTAL CONTRACT COST				6,893
SUPERVISION, INSPECTION AND OVERHEAD (6%)				414
TOTAL REQUEST				7,307
TOTAL REQUEST (ROUNDED)				7,300
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 <u>PROJECT:</u> TFI-AIR SUPPORT OPERATIONS SQUADRON BEDDOWN (New Mission) <u>REQUIREMENT:</u> 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. <u>CURRENT SITUATION:</u> 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. <u>IMPACT IF NOT PROVIDED:</u> 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				

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3. INSTALLATION AND LOCATION WILL ROGERS WORLD AIRPORT, OKLAHOMA																														
5. PROJECT TITLE TFI-AIR SUPPORT OPERATIONS SQUADRON BEDDOWN		7. PROJECT NUMBER YZEU069106																												
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>JAN 2007</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>No</td> </tr> <tr> <td>(c) Percent Complete as of Jan 2009</td> <td>35%</td> </tr> <tr> <td>(d) Date 35% Designed</td> <td>FEB 2007</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>SEP 2009</td> </tr> <tr> <td>(f) Type of Design Contract</td> <td></td> </tr> <tr> <td>(g) Energy Study/Life-Cycle analysis was/will be performed</td> <td>No</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>No</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td></td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>438</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>219</td> </tr> <tr> <td>(c) Total</td> <td>657</td> </tr> <tr> <td>(d) Contract</td> <td>657</td> </tr> <tr> <td>(e) In-House</td> <td></td> </tr> </table> <p>(4) Contract Award (Month/Year) JAN 2010</p> <p>(5) Construction Start FEB 2010</p> <p>(6) Construction Completion MAR 2011</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> <p>POINT OF CONTACT: David Thompson (301) 836-8249</p>			(a) Date Design Started	JAN 2007	(b) Parametric Cost Estimates used to develop costs	No	(c) Percent Complete as of Jan 2009	35%	(d) Date 35% Designed	FEB 2007	(e) Date Design Complete	SEP 2009	(f) Type of Design Contract		(g) Energy Study/Life-Cycle analysis was/will be performed	No	(a) Standard or Definitive Design -	No	(b) Where Design Was Most Recently Used -		(a) Production of Plans and Specifications	438	(b) All Other Design Costs	219	(c) Total	657	(d) Contract	657	(e) In-House	
(a) Date Design Started	JAN 2007																													
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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 ANG	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE MAY 2009	
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS		4. PROJECT TITLE PLANNING AND DESIGN			
5. PROGRAM ELEMENT 52276F	6. CATEGORY CODE 999-999	7. PROJECT NUMBER AAAA100001	8. PROJECT COST(\$000) \$10,061		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PLANNING AND DESIGN (P-313)		LS			10,061
SUBTOTAL					10,061
TOTAL CONTRACT COST					10,061
TOTAL REQUEST					10,061
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 <u>PROJECT:</u> 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. <u>IMPACT IF NOT PROVIDED:</u> 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. COMPONENT ANG	FY 2010 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE MAY 2009	
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS		4. PROJECT TITLE UNSPECIFIED MINOR CONSTRUCTION			
5. PROGRAM ELEMENT 52276F	6. CATEGORY CODE 999-999	7. PROJECT NUMBER AAAA100002	8. PROJECT COST(\$000) \$9,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
UNSPECIFIED MINOR CONSTRUCTION (P-341)		LS			9,000
SUBTOTAL					9,000
TOTAL CONTRACT COST					9,000
TOTAL REQUEST					9,000
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 <u>PROJECT:</u> 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

INSTALLATION DATA

1. COMPONENT ANG	FY 2010 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE MAY 2009													
3. INSTALLATION AND LOCATION DAVIS MONTHAN AIR FORCE BASE, TUCSON, ARIZONA			4. AREA CONSTR COST INDEX .99													
5. FREQUENCY AND TYPE OF UTILIZATION Facility is occupied by deployed northern tier ANG flying units eight months out of twelve. Active Duty AF, USN, and USMC, and Foreign National units occupy remaining four months. Facility supports aircraft sortie generation for air-to-air, air-to-ground, combat search and rescue, dissimilar air combat training, night vision goggle work, syllabus support, weather recon, and live ordnance delivery. Unmanned Aerial Vehicle (UAV) ground control operations on a fulltime basis.																
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS One AF Base, one Naval Reserve Unit, one Army Reserve Unit, one Army National Guard Unit and one Air National Guard Unit.																
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 2010 <table border="1" data-bbox="203 619 1464 1104"> <thead> <tr> <th data-bbox="203 619 349 682">CATEGORY <u>CODE</u></th> <th data-bbox="349 619 787 682"><u>PROJECT TITLE</u></th> <th data-bbox="787 619 1047 682"><u>SCOPE</u></th> <th data-bbox="1047 619 1209 682">COST <u>\$(000)</u></th> <th colspan="2" data-bbox="1209 619 1464 682"><u>DESIGN STATUS</u> <u>START</u> <u>CMPL</u></th> </tr> </thead> <tbody> <tr> <td data-bbox="203 714 349 745">141-753</td> <td data-bbox="349 714 787 745">TFI - Predator Beddown - FOC</td> <td data-bbox="787 714 1047 745">1,579 SM (17,000 SF)</td> <td data-bbox="1047 714 1209 745">5,600</td> <td data-bbox="1209 714 1323 745">Aug 06</td> <td data-bbox="1323 714 1464 745">Sep 09</td> </tr> </tbody> </table>					CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	COST <u>\$(000)</u>	<u>DESIGN STATUS</u> <u>START</u> <u>CMPL</u>		141-753	TFI - Predator Beddown - FOC	1,579 SM (17,000 SF)	5,600	Aug 06	Sep 09
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	COST <u>\$(000)</u>	<u>DESIGN STATUS</u> <u>START</u> <u>CMPL</u>												
141-753	TFI - Predator Beddown - FOC	1,579 SM (17,000 SF)	5,600	Aug 06	Sep 09											
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 23 Jan 08 (Date)																
9. LAND ACQUISITION REQUIRED (Number of Acres)																
10. PROJECTS PLANNED IN NEXT FOUR YEARS <table border="1" data-bbox="203 1428 1464 1902"> <thead> <tr> <th data-bbox="203 1428 349 1491">CATEGORY <u>CODE</u></th> <th data-bbox="349 1428 1047 1491"><u>PROJECT TITLE</u></th> <th data-bbox="1047 1428 1323 1491"><u>SCOPE</u></th> <th data-bbox="1323 1428 1464 1491">COST <u>\$(000)</u></th> </tr> </thead> <tbody> <tr> <td data-bbox="203 1522 349 1554">141-753</td> <td data-bbox="349 1522 1047 1554">TFI- Predator FOC - Active Associate</td> <td data-bbox="1047 1522 1323 1554">882 SM (9,500 SF)</td> <td data-bbox="1323 1522 1464 1554">4,900</td> </tr> <tr> <td colspan="4" data-bbox="203 1585 1464 1617">R&M Unfunded Requirement: \$800,000.00</td> </tr> </tbody> </table>					CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	COST <u>\$(000)</u>	141-753	TFI- Predator FOC - Active Associate	882 SM (9,500 SF)	4,900	R&M Unfunded Requirement: \$800,000.00			
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1. COMPONENT ANG	FY 2010 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE MAY 2009																															
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11. PERSONNEL STRENGTH AS OF 01 Jul 08 <table border="1"> <thead> <tr> <th rowspan="2"></th> <th colspan="4"><u>PERMANENT</u></th> <th colspan="3"><u>GUARD/RESERVE</u></th> </tr> <tr> <th><u>TOTAL</u></th> <th><u>OFFICER</u></th> <th><u>ENLISTED</u></th> <th><u>CIVILIAN</u></th> <th><u>TOTAL</u></th> <th><u>OFFICER</u></th> <th><u>ENLISTED</u></th> </tr> </thead> <tbody> <tr> <td>AUTHORIZED</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>133</td> <td>40</td> <td>93</td> </tr> <tr> <td>ACTUAL</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>123</td> <td>35</td> <td>88</td> </tr> </tbody> </table>				<u>PERMANENT</u>				<u>GUARD/RESERVE</u>			<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	AUTHORIZED	0	0	0	0	133	40	93	ACTUAL	0	0	0	0	123	35	88
	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>																												
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14. OUTSTANDING POLLUTION AND SAFETY(OSHA) DEFICIENCIES FY 2010 <table border="1"> <thead> <tr> <th rowspan="2"><u>CATEGORY</u></th> <th rowspan="2"><u>PROJECT TITLE</u></th> <th rowspan="2"><u>SCOPE</u></th> <th rowspan="2"><u>CST</u></th> <th colspan="2"><u>DESIGN STATUS</u></th> </tr> <tr> <th><u>START</u></th> <th><u>CMPL</u></th> </tr> <tr> <th><u>CODE</u></th> <th></th> <th></th> <th><u>\$(000)</u></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>NONE</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			<u>CATEGORY</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>CST</u>	<u>DESIGN STATUS</u>		<u>START</u>	<u>CMPL</u>	<u>CODE</u>			<u>\$(000)</u>			NONE																
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<u>CODE</u>			<u>\$(000)</u>																														
NONE																																	

1. COMPONENT ANG	FY 2010 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE MAY 2009																			
3. INSTALLATION AND LOCATION SOUTH CALIFORNIA LOGISTICS AIRPORT, SOUTHERN CALIFORNIA LOGISTICS APT				4. AREA CONSTR COST INDEX 1.29																			
5. FREQUENCY AND TYPE OF UTILIZATION Facility is occupied for ANG and Active Duty Predator training operations 12 months of the year. Facility supports aircraft generation for unit launch and recovery actions of unmanned aerial vehicles. The airport also supports flight training unit activities for joint use operations of unmanned aerial vehicles.																							
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS US Army Blackhawk operations and ADAF C-17 operations from the same airfield.																							
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 2010 <table border="1"> <thead> <tr> <th data-bbox="203 653 354 680">CATEGORY</th> <th data-bbox="451 680 646 707"><u>PROJECT TITLE</u></th> <th data-bbox="829 680 911 707"><u>SCOPE</u></th> <th data-bbox="1049 653 1122 707">COST \$(000)</th> <th colspan="2" data-bbox="1227 653 1435 680"><u>DESIGN STATUS</u></th> </tr> <tr> <th data-bbox="245 680 321 707"><u>CODE</u></th> <th data-bbox="451 680 646 707"><u>PROJECT TITLE</u></th> <th data-bbox="829 680 911 707"><u>SCOPE</u></th> <th data-bbox="1049 680 1122 707"><u>\$(000)</u></th> <th data-bbox="1227 680 1312 707"><u>START</u></th> <th data-bbox="1365 680 1435 707"><u>CMPL</u></th> </tr> </thead> <tbody> <tr> <td data-bbox="203 747 293 774">211-111</td> <td data-bbox="354 747 748 802">TFI - Predator Beddown - FTU/LRE Site</td> <td data-bbox="802 747 1049 774">1,626 SM (17,500 SF)</td> <td data-bbox="1081 747 1146 774">8,400</td> <td data-bbox="1227 747 1300 774">Jan 07</td> <td data-bbox="1357 747 1435 774">Sep 09</td> </tr> </tbody> </table>						CATEGORY	<u>PROJECT TITLE</u>	<u>SCOPE</u>	COST \$(000)	<u>DESIGN STATUS</u>		<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>\$(000)</u>	<u>START</u>	<u>CMPL</u>	211-111	TFI - Predator Beddown - FTU/LRE Site	1,626 SM (17,500 SF)	8,400	Jan 07	Sep 09
CATEGORY	<u>PROJECT TITLE</u>	<u>SCOPE</u>	COST \$(000)	<u>DESIGN STATUS</u>																			
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9. LAND ACQUISITION REQUIRED				17 (Number of Acres)																			
10. PROJECTS PLANNED IN NEXT FOUR YEARS <table border="1"> <thead> <tr> <th data-bbox="203 1461 354 1488">CATEGORY</th> <th data-bbox="451 1488 646 1516"><u>PROJECT TITLE</u></th> <th data-bbox="1146 1488 1227 1516"><u>SCOPE</u></th> <th data-bbox="1344 1461 1419 1516">COST \$(000)</th> </tr> <tr> <th data-bbox="245 1488 321 1516"><u>CODE</u></th> <th data-bbox="451 1488 646 1516"><u>PROJECT TITLE</u></th> <th data-bbox="1146 1488 1227 1516"><u>SCOPE</u></th> <th data-bbox="1344 1488 1419 1516"><u>\$(000)</u></th> </tr> </thead> <tbody> <tr> <td colspan="4" data-bbox="370 1682 769 1709">R&M Unfunded Requirement: \$0.00</td> </tr> </tbody> </table>						CATEGORY	<u>PROJECT TITLE</u>	<u>SCOPE</u>	COST \$(000)	<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>\$(000)</u>	R&M Unfunded Requirement: \$0.00									
CATEGORY	<u>PROJECT TITLE</u>	<u>SCOPE</u>	COST \$(000)																				
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R&M Unfunded Requirement: \$0.00																							

1. COMPONENT ANG	FY 2010 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE MAY 2009	
3. INSTALLATION AND LOCATION						
SOUTH CALIFORNIA LOGISTICS AIRPORT, SOUTHERN CALIFORNIA LOGISTICS APT						
11. PERSONNEL STRENGTH AS OF 14 Aug 08						
	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>	
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u> <u>ENLISTED</u>
AUTHORIZED	0	0	0	0	19	2 17
ACTUAL	0	0	0	0	7	1 6
12. RESERVE UNIT DATA						
	<u>UNIT DESIGNATION</u>			<u>STRENGTH</u>		
		<u>AUTHORIZED</u>		<u>ACTUAL</u>		
	163 Aircraft Maintenance Squadron	13		3		
	163 Civil Engineering Squadron	1		0		
	163 REW	5		4		
	TOTALS	19		7		
13. MAJOR EQUIPMENT AND AIRCRAFT						
	<u>TYPE</u>	<u>AUTHORIZED</u>		<u>ASSIGNED</u>		
	Support Equipment	9		6		
	Vehicle Equivalents	4		4		
	Vehicles	2		2		
14 OUTSTANDING POLLUTION AND SAFETY(OSHA) DEFICIENCIES FY 2010						
CATEGORY				CST	<u>DESIGN STATUS</u>	
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>		<u>\$(000)</u>	<u>START</u> <u>CMPL</u>	
NONE						

1. COMPONENT ANG	FY 2010 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE MAY 2009
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HONOLULU (OAHU)		4. AREA CONSTR COST INDEX 2.17	
5. FREQUENCY AND TYPE OF UTILIZATION One Unit Training Assembly 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. PROJECTS REQUESTED IN THIS PROGRAM: FY 2010			
CATEGORY			COST
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>\$(000)</u>
			<u>DESIGN STATUS</u>
			<u>START</u> <u>CMPL</u>
211-159	TFI - F-22 LO/Composite Repair	3,252 SM (35,000 SF)	26,000
113-321	Facility	15,886 SM (19,000 SY)	7,000
	TFI - F-22 Parking Apron and Taxiways		
			May 07 Mar 10
			Aug 08 Sep 09
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			<u>None</u> (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS			
CATEGORY			COST
<u>CODE</u>	<u>PROJECT TITLE</u>	<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
	R&M Unfunded Requirement: \$4,905,000		

1. COMPONENT ANG	FY 2010 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE MAY 2009	
3. INSTALLATION AND LOCATION						
HICKAM AIR FORCE BASE, HONOLULU (OAHU)						
11. PERSONNEL STRENGTH AS OF 01 Aug 08						
	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>	
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u> <u>ENLISTED</u>
AUTHORIZED	571	448	123	0	1,711	223 1,488
ACTUAL	633	72	561	0	1,608	151 1,457
12. RESERVE UNIT DATA						
		<u>STRENGTH</u>				
<u>UNIT DESIGNATION</u>		<u>AUTHORIZED</u>		<u>ACTUAL</u>		
154 AGS		303		297		
154 Civil Engineering Squadron		66		70		
154 Communication Flight		42		49		
154 LG		33		29		
154 LS		121		105		
154 LSF		50		47		
154 Medical Squadron		76		62		
154 MS		397		386		
154 Mission Support Flight		34		31		
154 Operations Group		11		10		
154 Operations Support Flight		43		33		
154 Security Forces Squadron		73		78		
154 Support Group		5		5		
154 Services Flight		42		46		
154 WG		75		66		
169 Air Support Operations Center		0		0		
199 Fighter Squadron		39		39		
199 Weather Flight		12		12		
201 CCGP		39		33		
203 Air Refueling Squadron		62		44		
204 AS		59		48		
291 Combat Communications Squadron		0		0		
292 Combat Communications Squadron		0		0		
293 Combat Communications Squadron		129		118		
297 Air Traffic Control Squadron		0		0		
HQ HI ANG		<u>0</u>		<u>0</u>		
13. MAJOR EQUIPMENT AND AIRCRAFT						
	<u>TYPE</u>	<u>AUTHORIZED</u>		<u>ASSIGNED</u>		
	F-15 A/C AIRCRAFT	15		19		
	KC-135R AIRCRAFT	8		9		
	Support Equipment	512		509		
	Vehicle Equivalents			820		
14. OUTSTANDING POLLUTION AND SAFETY(OSHA) DEFICIENCIES FY 2010						
CATEGORY			CST	<u>DESIGN STATUS</u>		
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>\$(000)</u>	<u>START</u>	<u>CMPL</u>	
NONE						

1. COMPONENT ANG	FY 2010 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE MAY 2009													
3. INSTALLATION AND LOCATION BANGOR INTERNATIONAL AIRPORT, BANGOR				4. AREA CONSTR COST INDEX 1.05													
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly assemblies per year, 15 days annual training per year, daily use by technician/AGR force and for training.																	
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS 3 Army National Guard Units, 1 Army Reserve Facility and 1 Naval Reserve Facility.																	
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 2010 <table border="1"> <thead> <tr> <th data-bbox="203 625 354 680">CATEGORY CODE</th> <th data-bbox="354 625 792 680">PROJECT TITLE</th> <th data-bbox="792 625 1052 680">SCOPE</th> <th data-bbox="1052 625 1214 680">COST \$(000)</th> <th colspan="2" data-bbox="1214 625 1442 680">DESIGN STATUS START CMPL</th> </tr> </thead> <tbody> <tr> <td data-bbox="203 716 305 743">211-111</td> <td data-bbox="354 716 792 779">Replace Aircraft Maintenance Hangar and Shops</td> <td data-bbox="792 716 1052 743">7,265 SM (78,200 SF)</td> <td data-bbox="1052 716 1214 743">28,000</td> <td data-bbox="1214 716 1317 743">Aug 08</td> <td data-bbox="1317 716 1442 743">Sep 09</td> </tr> </tbody> </table>						CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	DESIGN STATUS START CMPL		211-111	Replace Aircraft Maintenance Hangar and Shops	7,265 SM (78,200 SF)	28,000	Aug 08	Sep 09
CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	DESIGN STATUS START CMPL													
211-111	Replace Aircraft Maintenance Hangar and Shops	7,265 SM (78,200 SF)	28,000	Aug 08	Sep 09												
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 21 May 08 (Date)																	
9. LAND ACQUISITION REQUIRED				None (Number of Acres)													
10. PROJECTS PLANNED IN NEXT FOUR YEARS <table border="1"> <thead> <tr> <th data-bbox="203 1434 354 1488">CATEGORY CODE</th> <th data-bbox="354 1434 1133 1488">PROJECT TITLE</th> <th data-bbox="1133 1434 1344 1488">SCOPE</th> <th data-bbox="1344 1434 1442 1488">COST \$(000)</th> </tr> </thead> <tbody> <tr> <td colspan="4" data-bbox="203 1623 1442 1650">R&M Unfunded Requirement: \$10,500,000</td> </tr> </tbody> </table>						CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)	R&M Unfunded Requirement: \$10,500,000							
CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$(000)														
R&M Unfunded Requirement: \$10,500,000																	

1. COMPONENT ANG	FY 2010 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE MAY 2009			
3. INSTALLATION AND LOCATION BANGOR INTERNATIONAL AIRPORT, BANGOR							
11. PERSONNEL STRENGTH AS OF 01 Jul 08							
	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	366	45	321	0	882	142	740
ACTUAL	342	45	297	0	879	131	748
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>	<u>STRENGTH</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>	<u>ASSIGNED</u>				
	KC-135E Aircraft	8	10				
	Support Equipment	220	213				
	Vehicle Equivalents	570	570				
14. OUTSTANDING POLLUTION AND SAFETY(OSHA) DEFICIENCIES FY 2010							
CATEGORY				CST	<u>DESIGN STATUS</u>		
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>\$(000)</u>	<u>\$(000)</u>	<u>START</u>	<u>CMPL</u>	
NONE							

1. COMPONENT ANG	FY 2010 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE MAY 2009														
3. INSTALLATION AND LOCATION ANDREWS AIR FORCE BASE, MARYLAND			4. AREA CONSTR COST INDEX 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.																		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS 1 Air Force Reserve, 1 Army Reserve, 1 Active Air Force Base, 1 Navy Reserve and 1 Army National Guard Unit																		
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 2010																		
<table border="1"> <thead> <tr> <th rowspan="2">CATEGORY <u>CODE</u></th> <th rowspan="2"><u>PROJECT TITLE</u></th> <th rowspan="2"><u>SCOPE</u></th> <th rowspan="2">COST \$(000)</th> <th colspan="2"><u>DESIGN STATUS</u></th> </tr> <tr> <th><u>START</u></th> <th><u>CMPL</u></th> </tr> </thead> <tbody> <tr> <td>216-642</td> <td>Replace Munitions Maintenance and Storage Complex</td> <td>3,076 SM (33,100 SF)</td> <td>14,000</td> <td>Jan 08</td> <td>Jan 10</td> </tr> </tbody> </table>					CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	COST \$(000)	<u>DESIGN STATUS</u>		<u>START</u>	<u>CMPL</u>	216-642	Replace Munitions Maintenance and Storage Complex	3,076 SM (33,100 SF)	14,000	Jan 08	Jan 10
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	COST \$(000)	<u>DESIGN STATUS</u>														
				<u>START</u>	<u>CMPL</u>													
216-642	Replace Munitions Maintenance and Storage Complex	3,076 SM (33,100 SF)	14,000	Jan 08	Jan 10													
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 02 Jun 08 (Date)																		
9. LAND ACQUISITION REQUIRED				None (Number of Acres)														
10. PROJECTS PLANNED IN NEXT FOUR YEARS																		
<table border="1"> <thead> <tr> <th>CATEGORY <u>CODE</u></th> <th><u>PROJECT TITLE</u></th> <th><u>SCOPE</u></th> <th>COST \$(000)</th> </tr> </thead> <tbody> <tr> <td colspan="4">R&M Unfunded Requirement: \$12,205,000</td> </tr> </tbody> </table>					CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	COST \$(000)	R&M Unfunded Requirement: \$12,205,000									
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	COST \$(000)															
R&M Unfunded Requirement: \$12,205,000																		

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

ANDREWS AIR FORCE BASE, MARYLAND

11. PERSONNEL STRENGTH AS OF 01 Aug 08

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

12. RESERVE UNIT DATA

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

14 OUTSTANDING POLLUTION AND SAFETY(OSHA) DEFICIENCIES FY 2010

<u>CATEGORY</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>CST</u>	<u>DESIGN STATUS</u>	
<u>CODE</u>			<u>\$(000)</u>	<u>START</u>	<u>CMPL</u>
NONE					

1. COMPONENT ANG	FY 2010 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE MAY 2009													
3. INSTALLATION AND LOCATION LINCOLN MUNICIPAL AIRPORT, LINCOLN				4. AREA CONSTR COST INDEX .94													
5. FREQUENCY AND TYPE OF UTILIZATION Two unit training assemblies per month, 15 annual field training days per year, daily use by technician/AGR force and for training. Fulltime use by Joint Operations Center personnel.																	
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS One Naval Reserve Center, one Army Reserve Training Center, and two Army National Guard Facilities																	
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 2010 <table border="1" data-bbox="203 619 1461 777"> <thead> <tr> <th data-bbox="203 619 349 682">CATEGORY <u>CODE</u></th> <th data-bbox="349 619 787 682"><u>PROJECT TITLE</u></th> <th data-bbox="787 619 1047 682"><u>SCOPE</u></th> <th data-bbox="1047 619 1209 682">COST <u>\$(000)</u></th> <th colspan="2" data-bbox="1209 619 1461 682"><u>DESIGN STATUS</u> <u>START</u> <u>CMPL</u></th> </tr> </thead> <tbody> <tr> <td data-bbox="203 714 349 745">610-287</td> <td data-bbox="349 714 787 777">Joint Forces Operations Center - ANG Share</td> <td data-bbox="787 714 1047 745">427 SM (4,600 SF)</td> <td data-bbox="1047 714 1209 745">1,500</td> <td data-bbox="1209 714 1323 745">Aug 08</td> <td data-bbox="1323 714 1461 745">Sep 09</td> </tr> </tbody> </table>						CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	COST <u>\$(000)</u>	<u>DESIGN STATUS</u> <u>START</u> <u>CMPL</u>		610-287	Joint Forces Operations Center - ANG Share	427 SM (4,600 SF)	1,500	Aug 08	Sep 09
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	COST <u>\$(000)</u>	<u>DESIGN STATUS</u> <u>START</u> <u>CMPL</u>													
610-287	Joint Forces Operations Center - ANG Share	427 SM (4,600 SF)	1,500	Aug 08	Sep 09												
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 02 Jun 08 (Date)																	
9. LAND ACQUISITION REQUIRED				None (Number of Acres)													
10. PROJECTS PLANNED IN NEXT FOUR YEARS <table border="1" data-bbox="203 1428 1461 1491"> <thead> <tr> <th data-bbox="203 1428 349 1491">CATEGORY <u>CODE</u></th> <th data-bbox="349 1428 1128 1491"><u>PROJECT TITLE</u></th> <th data-bbox="1128 1428 1339 1491"><u>SCOPE</u></th> <th data-bbox="1339 1428 1461 1491">COST <u>\$(000)</u></th> </tr> </thead> <tbody> <tr> <td colspan="4" data-bbox="203 1638 1461 1680">R&M Unfunded Requirement: \$4,180,000</td> </tr> </tbody> </table>						CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	COST <u>\$(000)</u>	R&M Unfunded Requirement: \$4,180,000							
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	COST <u>\$(000)</u>														
R&M Unfunded Requirement: \$4,180,000																	

1. COMPONENT ANG	FY 2010 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE MAY 2009	
3. INSTALLATION AND LOCATION						
LINCOLN MUNICIPAL AIRPORT, LINCOLN						
11. PERSONNEL STRENGTH AS OF 01 Jul 08						
	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>	
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u> <u>ENLISTED</u>
AUTHORIZED	328	62	266	0	892	178 714
ACTUAL	328	62	266	0	902	171 731
12. RESERVE UNIT DATA						
	<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>				
		<u>AUTHORIZED</u>		<u>ACTUAL</u>		
	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		
		<u>892</u>		<u>902</u>		
			TOTALS			
13. MAJOR EQUIPMENT AND AIRCRAFT						
	<u>TYPE</u>	<u>AUTHORIZED</u>		<u>ASSIGNED</u>		
	KC-135R Aircraft	8		8		
	Support Equipment	242		210		
	Vehicle Equivalents	374		374		
14. OUTSTANDING POLLUTION AND SAFETY(OSHA) DEFICIENCIES FY 2010						
CATEGORY				CST	<u>DESIGN STATUS</u>	
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>		<u>\$(000)</u>	<u>START</u> <u>CMPL</u>	
NONE						

1. COMPONENT ANG	FY 2010 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE MAY 2009														
3. INSTALLATION AND LOCATION MANSFIELD LAHM AIRPORT, MANSFIELD, OHIO			4. AREA CONSTR COST INDEX .96															
5. FREQUENCY AND TYPE OF UTILIZATION Four Unit Training Assemblies per month, four split unit training assemblies per month, 15 days annual training per year, daily use by air technician force plus three evenings per week in support of flying training activities.																		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS 1 Army National Guard Armory and 1 Army Reserve Training Center																		
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 2010																		
<table border="1"> <thead> <tr> <th rowspan="2">CATEGORY <u>CODE</u></th> <th rowspan="2"><u>PROJECT TITLE</u></th> <th rowspan="2"><u>SCOPE</u></th> <th rowspan="2">COST \$(000)</th> <th colspan="2"><u>DESIGN STATUS</u></th> </tr> <tr> <th><u>START</u></th> <th><u>CMPL</u></th> </tr> </thead> <tbody> <tr> <td>171-445</td> <td>TFI - RED HORSE Squadron Beddown</td> <td>4,710 SM (50,700 SF)</td> <td>11,400</td> <td>Jan 07</td> <td>Sep 09</td> </tr> </tbody> </table>					CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	COST \$(000)	<u>DESIGN STATUS</u>		<u>START</u>	<u>CMPL</u>	171-445	TFI - RED HORSE Squadron Beddown	4,710 SM (50,700 SF)	11,400	Jan 07	Sep 09
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	COST \$(000)	<u>DESIGN STATUS</u>														
				<u>START</u>	<u>CMPL</u>													
171-445	TFI - RED HORSE Squadron Beddown	4,710 SM (50,700 SF)	11,400	Jan 07	Sep 09													
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 21 May 08 (Date)																		
9. LAND ACQUISITION REQUIRED <div style="text-align: right;">(Number of Acres)</div>																		
10. PROJECTS PLANNED IN NEXT FOUR YEARS																		
<table border="1"> <thead> <tr> <th rowspan="2">CATEGORY <u>CODE</u></th> <th rowspan="2"><u>PROJECT TITLE</u></th> <th rowspan="2"><u>SCOPE</u></th> <th>COST</th> </tr> <tr> <th><u>\$(000)</u></th> </tr> </thead> <tbody> <tr> <td>219-946</td> <td>DRBS Storage Facility</td> <td>743 SM (8,000 SF)</td> <td>2,000</td> </tr> <tr> <td colspan="4">R&M Unfunded Requirement: \$5,365,000</td> </tr> </tbody> </table>					CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	COST	<u>\$(000)</u>	219-946	DRBS Storage Facility	743 SM (8,000 SF)	2,000	R&M Unfunded Requirement: \$5,365,000				
CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	COST															
			<u>\$(000)</u>															
219-946	DRBS Storage Facility	743 SM (8,000 SF)	2,000															
R&M Unfunded Requirement: \$5,365,000																		

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

MANSFIELD LAHM AIRPORT, MANSFIELD, OHIO

11. PERSONNEL STRENGTH AS OF 01 Jul 08

	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	256	30	226	0	1,046	139	907
ACTUAL	256	30	226	0	1,089	140	949

12. RESERVE UNIT DATA

<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>	
	<u>AUTHORIZED</u>	<u>ACTUAL</u>
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	186
TOTALS	1,046	1,089

13. MAJOR EQUIPMENT AND AIRCRAFT

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

14. OUTSTANDING POLLUTION AND SAFETY(OSHA) DEFICIENCIES FY 2010

<u>CATEGORY</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>CST</u>	<u>DESIGN STATUS</u>	
<u>CODE</u>			<u>\$(000)</u>	<u>START</u>	<u>CMPL</u>
NONE					

1. COMPONENT ANG	FY 2010 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE MAY 2009														
3. INSTALLATION AND LOCATION WILL ROGERS WORLD AIRPORT, OKLAHOMA CITY, OKLAHOMA			4. AREA CONSTR COST INDEX .91															
5. FREQUENCY AND TYPE OF UTILIZATION Two Unit Training Assemblies per month, 15 days annual field training per year, daily use by technician/AGR force and for training.																		
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS Tinker AFB, Joint Forces Head Quarters, ARNG Regional Training Center, 23rd Street Armory, 1 Naval and Marine Corp Reserve Center, 1 Army Reserve Center																		
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 2010																		
<table border="1"> <thead> <tr> <th rowspan="2">CATEGORY <u>CODE</u></th> <th rowspan="2"><u>PROJECT TITLE</u></th> <th rowspan="2"><u>SCOPE</u></th> <th rowspan="2">COST \$(000)</th> <th colspan="2"><u>DESIGN STATUS</u></th> </tr> <tr> <th><u>START</u></th> <th><u>CMPL</u></th> </tr> </thead> <tbody> <tr> <td>141-753</td> <td>TFI - ASOS Beddown</td> <td>3,230 SM (34,775 SF)</td> <td>7,300</td> <td>Jan 07</td> <td>Sep 09</td> </tr> </tbody> </table>					CATEGORY <u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	COST \$(000)	<u>DESIGN STATUS</u>		<u>START</u>	<u>CMPL</u>	141-753	TFI - ASOS Beddown	3,230 SM (34,775 SF)	7,300	Jan 07	Sep 09
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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 16 Oct 07 (Date)																		
9. LAND ACQUISITION REQUIRED				None (Number of Acres)														
10. PROJECTS PLANNED IN NEXT FOUR YEARS																		
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1. COMPONENT ANG	FY 2010 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE MAY 2009	
3. INSTALLATION AND LOCATION						
WILL ROGERS WORLD AIRPORT, OKLAHOMA CITY, OKLAHOMA						
11. PERSONNEL STRENGTH AS OF 15 Jul 08						
	<u>PERMANENT</u>				<u>GUARD/RESERVE</u>	
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u> <u>ENLISTED</u>
AUTHORIZED	339	45	293	1	1,103	183 920
ACTUAL	264	40	223	1	1,199	167 1,032
12. RESERVE UNIT DATA						
	<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>				
		<u>AUTHORIZED</u>	<u>ACTUAL</u>			
	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 Logistics 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	<u>32</u>	<u>32</u>			
	TOTALS	1,103	1,199			
13. MAJOR EQUIPMENT AND AIRCRAFT						
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>			
	Refuelers	4	4			
	Vehicle Equivalents	497	497			
	Vehicles	170	170			
14 OUTSTANDING POLLUTION AND SAFETY(OSHA) DEFICIENCIES FY 2010						
CATEGORY		CST		<u>DESIGN STATUS</u>		
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>\$(000)</u>	<u>START</u>	<u>CMPL</u>	
NONE						