

FY 2000 / FY 2001
BUDGET ESTIMATES

AIR NATIONAL GUARD



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FY 2000
MILITARY CONSTRUCTION
PROGRAM

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**DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2000**

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**SUMMARY PROJECT LIST
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM - FY 2000**

STATE	INSTALLATION AND PROJECT	AUTH AMT (\$000)	APPROP AMT (\$000)	DD FORM 1391 PAGE NO.
Alaska	Kulis Air National Guard Base Composite Support Complex	10,000	2,170	b-3
Arkansas	Little Rock Air Force Base Vehicle/Base Engineer Maintenance Complex	8,699	1,881	b-8
California	Moffett Field Replace Aircraft Maintenance Hangar	14,000	3,033	b-13
Georgia	Savannah International Airport Composite Support Complex	9,800	2,116	b-18
	Regional Fire Training Facility	1,700	368	b-21
	Sub-Total Georgia	11,500	2,484	
Idaho	Boise Air Terminal A-10 Expand Arm and Disarm Apron	1,600	350	b-26
Wisconsin	Volk Field Replace Troop Training Quarters	8,900	1,923	b-30
	SUB-TOTAL INSIDE THE UNITED STATES	54,699	11,841	
Puerto Rico	Luis Munoz-Marin International Airport C-130 Fuel Cell and Corrosion Control Facility	5,600	1,212	b-35
	C-130 Upgrade Aircraft Maintenance Hangar	3,800	825	b-38
	C-130 Add to Aircraft Parking Apron	2,250	490	b-41
	Sub-Total Puerto Rico	11,650	2,527	
	SUB-TOTAL OUTSIDE THE UNITED STATES	11,650	2,527	
	SUB-TOTAL -- ALL BASES	66,349	14,368	
	PLANNING AND DESIGN	4,951	4,951	b-44
	UNSPECIFIED MINOR CONSTRUCTION	2,000	2,000	b-46
	SUB-TOTAL -- SUPPORT COSTS	6,951	6,951	
	GRAND TOTAL	73,300	21,319	

**SUMMARY PROJECT LIST
AIR NATIONAL GUARD
NEW MISSION VERSUS CURRENT MISSION -- FY 2000**

LOCATION	PROJECT	COST (\$000)	CURRENT/ NEW/ENV
Kulis ANGB, AK	Composite Support Complex	10,000	C
Little Rock AFB, AR	Vehicle/Base Engineer Maintenance Complex	8,699	C
Moffett Field, CA	Replace Aircraft Maintenance Hagar	14,000	C
Savannah IAP, GA	Composite Support Complex	9,800	C
	Regional Fire Training Facility	1,700	ENV
Boise AT, ID	A-10 Expand Arm and Disarm Apron	1,600	N
Volk Field, WI	Replace Troop Training Quarters	8,900	C
Luis Munoz-Marin IAP, PR	C-130 Fuel Cell and Corrosion Control Facility	5,600	N
	C-130 Upgrade Aircraft Maintenance Hangar	3,800	N
	C-130 Add to Aircraft Parking Apron	2,250	N
	PLANNING AND DESIGN	4,951	
	UNSPECIFIED MINOR CONSTRUCTION	<u>2,000</u>	
	TOTAL NEW MISSION	13,250	
	TOTAL CURRENT MISSION	51,399	
	TOTAL ENVIRONMENTAL	<u>1,700</u>	
	GRAND TOTAL	73,300	

**DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2000**

SECTION I

APPROPRIATIONS LANGUAGE

For construction, acquisition, expansion, renovation, and conversion of facilities for the operational and training missions of the Air National Guard, and contribution there for, as authorized by chapter 1803 of title 10, United States Code, and Military Construction Authorizations Acts, \$21,319,000 to remain available until September 30, 2004. In addition for completion of projects begun in fiscal year 2000, \$51,981,000 to become available on October 1, 2000 and remain available until September 30, 2005. Further, for the foregoing purposes, \$56,625,000 to become available on October 1,2000 and remain available until September 30, 2005.

() Individual FY 99 Appropriation Language

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. Actual economic analyses have been prepared for all projects over \$2,000,000.

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 2000**

SECTION II

INSTALLATIONS AND PROJECT JUSTIFICATION DATA

1. COMPONENT ANG	FY 2000 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE 1 Feb 99	
3. INSTALLATION AND LOCATION KULIS ANG BASE, ALASKA					4. AREA CONSTR COST INDEX 1.5	
5. FREQUENCY AND TYPE OF UTILIZATION Four 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 1 Army National Guard, 1 Army Post, 1 Air Force Base						
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000						
CATEGORY				COST	DESIGN STATUS	
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>\$(000)</u>	<u>START</u>	<u>C MPL</u>	
171-450	Composite Support Complex	3,633 SM	10,000	Jan 98	Aug 99	
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved						
				13 Feb 98 (Date)		
9. LAND ACQUISITION REQUIRED					None (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>			
211-159	Aircraft Corrosion Control Facility	3,150 SM	11,000			
141-753	Replace Pararescue Training Complex	2,406 SM	8,350			
BMAR: \$14,101,000						

1. COMPONENT ANG		FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE 1 Feb 99			
3. INSTALLATION AND LOCATION KULIS ANG BASE, ALASKA				4. PROJECT TITLE COMPOSITE SUPPORT COMPLEX				
5. PROGRAM ELEMENT 55296F		6. CATEGORY CODE 171-450	7. PROJECT NUMBER MLRV969585		8. PROJECT COST(\$000) AUTH: \$10,000 APPROP: \$2,170			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
COMPOSITE SUPPORT COMPLEX					SM	3,633		7,183
MEDICAL TRAINING AREA					SM	948	2,260	(2,142)
COMMUNICATIONS TRAINING AREA					SM	520	2,637	(1,371)
SECURITY FORCES TRAINING AREA					SM	771	1,938	(1,494)
ALTER DINING HALL/SERVICES FLIGHT AREA					SM	1,394	1,561	(2,176)
SUPPORTING FACILITIES								1,835
UTILITIES					LS			(850)
PAVEMENTS					LS			(550)
SITE IMPROVEMENTS					LS			(300)
COMMUNICATIONS SUPPORT					LS			(135)
SUBTOTAL								9,018
CONTINGENCY (5%)								451
TOTAL CONTRACT COST								9,469
SUPERVISION, INSPECTION AND OVERHEAD (6%)								571
TOTAL REQUEST								10,040
TOTAL REQUEST (ROUNDED)								10,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)								(400)
10. Description of Proposed Construction: Concrete foundation and floor slab, reinforced concrete walls and built-up roof. Addition to match existing architectural style. Construct/rearrange interior utility systems; modify interior walls; replace roof system; structural floor repair. Access pavements, parking lots, sidewalk, site work, and fire protection. Demolish Class A vault, parking shelter (86 SM) and Building 27 (41 SM). Landscape grounds and improve drainage. Facility to support pre-wired workstation installation. Air Conditioning: 35 KW								
11. REQUIREMENT: 3,632 SM ADEQUATE: 0 SM SUBSTANDARD: 1,520 SM PROJECT: Composite Support Complex (Current Mission). REQUIREMENT: In 1991, the Air Force deactivated an HC-130/HHG-60 rescue squadron at Elmendorf AFB. The mission was assigned to the ANG unit at Kulis ANGB, located at Anchorage International Airport. The unit became a composite wing when the relocated rescue squadron combined with the already assigned C-130 transport squadron. This increased manpower in support areas such as security forces, medical training, communications, and other functional areas. Adequately sized and properly configured facilities are required for effective mission performance and minimal quality of life. A properly sized and equipped dining area is required to efficiently train the services personnel and feed the troops on Unit Training Assemblies. CURRENT SITUATION: There is insufficient space on base and part of the security police squadron and other functions are located in leased space off-base. Portions of the communications function are scattered throughout the base and share space in undersized facilities. Unit strength has grown substantially and the medical staff has increased to meet more demands for physicals, immunizations, and drug and AIDS testing. The medical training function occupies 420 SM which is 50% of the minimum required space. There are insufficient medical examination rooms and the patient waiting area shares space with the dining facility serving lines, which is a violation of health standards. The dining and food preparation areas are severely overcrowded. Kitchen equipment is over 20 years old,								

1. COMPONENT ANG	FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE 1 Feb 99								
3. INSTALLATION AND LOCATION KULIS ANG BASE, ALASKA										
5. PROJECT TITLE COMPOSITE SUPPORT COMPLEX	7. PROJECT NUMBER MLRV969585									
<p>requires frequent maintenance, and consumes excessive energy. Extensive repairs to the electrical system, floor, and roof of the dining facility must be made and insulating panels must be installed to extend its useful life. Paved access to and parking for the dining facility does not exist. Mobility equipment must be stored in non-secure areas throughout the base because of the shortage of storage space.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Training opportunities are lost. Severely crowded space continues to impact negatively on mission accomplishment and readiness. Inefficient operations continue. Health and safety hazards remain in the medical training and dining areas. Quality of life for support personnel and the troops they provide service to is adversely affected.</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, add/alter and status quo operation. Based on the net present values and benefits of the respective alternatives, a new addition was found to be the most cost efficient over the life of the project.</p> <p>This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The ANG plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> <table> <tr> <td>Medical Training:</td> <td>948 SM = 10,200 SF</td> </tr> <tr> <td>Communications Training:</td> <td>520 SM = 5,600 SF</td> </tr> <tr> <td>Security Forces Training:</td> <td>771 SM = 8,300 SF</td> </tr> <tr> <td>Dining Hall/Services Flight:</td> <td>1,394 SM = 15,000 SF</td> </tr> </table>			Medical Training:	948 SM = 10,200 SF	Communications Training:	520 SM = 5,600 SF	Security Forces Training:	771 SM = 8,300 SF	Dining Hall/Services Flight:	1,394 SM = 15,000 SF
Medical Training:	948 SM = 10,200 SF									
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Security Forces Training:	771 SM = 8,300 SF									
Dining Hall/Services Flight:	1,394 SM = 15,000 SF									

1. COMPONENT ANG	FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE 1 Feb 99	
3. INSTALLATION AND LOCATION KULIS ANG BASE, ALASKA			
5. PROJECT TITLE COMPOSITE SUPPORT COMPLEX	7. PROJECT NUMBER MLRV969585		
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started		Jan 1998	
(b) Parametric Cost Estimates used to develop costs		NO	
* (c) Percent Complete as of Jan 1999		35%	
* (d) Date 35% Designed		Nov 1998	
(e) Date Design Complete		Aug 1999	
(f) Energy Study/Life-Cycle analysis was/will be performed		YES	
(2) Basis:			
(a) Standard or Definitive Design -		NO	
(b) Where Design Was Most Recently Used -		N/A	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications		12	
(b) All Other Design Costs		870	
(c) Total		882	
(d) Contract		882	
(e) In-House			
(4) Construction Start		May 2000	
(5) Construction Completion		Oct 2001	
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.			
b. Equipment associated with this project will be provided from other appropriations: YES			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
Pre-wired Workstations	3840	2001	400
Point of Contact: Mr. Hal Brazelton (301) 836-8072			

1. COMPONENT ANG	FY 2000 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE 1 Feb 99
3. INSTALLATION AND LOCATION LITTLE ROCK AIR FORCE BASE, ARKANSAS					4. AREA CONSTR COST INDEX .8
5. FREQUENCY AND TYPE OF UTILIZATION Twelve monthly unit training assemblies per year, 15 days annual field training per year, daily use by technician/AGR force, instructors and students, and for training.					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS One Air Force Reserve Facility, three Army National Guard Armories, one Army National Guard Complex, five Army Reserve Facilities, and one Naval/Marine Complex and Training Force Base.					
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000					
CATEGORY			COST	DESIGN STATUS	
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>\$(000)</u>	<u>START</u>	<u>C MPL</u>
214-425	Vehicle/Base Engineer Maintenance Complex	53,650 SF	8,699	Mar 97	Sep 99
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved					
				28 Oct 98 (Date)	
9. LAND ACQUISITION REQUIRED					None (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS					
CATEGORY				SCOPE	COST
<u>CODE</u>	<u>PROJECT TITLE</u>				<u>\$(000)</u>
BMAR: \$20,106,000					

1. COMPONENT ANG	FY 2000 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE 1 Feb 99	
3. INSTALLATION AND LOCATION						
LITTLE ROCK AIR FORCE BASE, ARKANSAS						
11. PERSONNEL STRENGTH AS OF 31 Oct 98						
	<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	399	61	319	0	987	142 845
ACTUAL	373	50	311	0	894	139 755
12. RESERVE UNIT DATA						
				<u>STRENGTH</u>		
<u>UNIT DESIGNATION</u>		<u>AUTHORIZED</u>		<u>ACTUAL</u>		
123 Intelligence Squadron		85		63		
154 Training Squadron		116		114		
154 Weather Flight		18		15		
189 Aircraft Generation Squadron		64		57		
189 Aerial Port Flight		64		61		
189 Civil Engineering Squadron		71		65		
189 Communication Flight		44		40		
189 Logistics Group		8		9		
189 Logistics Squadron		112		93		
189 Logistics Support Flight		14		13		
189 Medical Squadron		60		57		
189 Maintenance Squadron		101		92		
189 Mission Support Flight		30		30		
189 Operations Group		13		12		
189 Operations Support Flight		23		22		
189 Security Forces Squadron		51		52		
189 Support Group		5		4		
189 Services Flight		27		17		
HQ ARANG		25		24		
HQ Air Refueling Wing		55		53		
MC 189MD		1		1		
		<u>987</u>		<u>894</u>		
		TOTALS				
13. MAJOR EQUIPMENT AND AIRCRAFT						
	<u>TYPE</u>	<u>AUTHORIZED</u>		<u>ASSIGNED</u>		
	C-130E Aircraft	8		10		
	Support Equipment	77		78		
	Vehicle Equivalents	216		216		

1. COMPONENT ANG		FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE 1 Feb 99	
3. INSTALLATION AND LOCATION LITTLE ROCK AIR FORCE BASE, ARKANSAS			4. PROJECT TITLE VEHICLE/BASE ENGINEER MAINTENANCE COMPLEX		
5. PROGRAM ELEMENT 55296F	6. CATEGORY CODE 214-425	7. PROJECT NUMBER NKAK989042	8. PROJECT COST(\$000) AUTH: \$8,699 APPROP: \$1,881		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
VEHICLE MAINTENANCE/CIVIL ENGINEER COMPLEX		SM	5,026		5,703
VEHICLE MAINTENANCE AND TRAINING AREAS		SM	2,443	1,250	(3,054)
MEDICAL TRAINING AREA		SM	910	1,399	(1,273)
VEHICLE OPS PARK SHED AND CE/ASE STORAGE		SM	1,377	650	(895)
REFUELING VEHICLE SHOP		SM	140	2,100	(294)
ALTER ASE SHOP		SM	156	1,200	(187)
SUPPORTING FACILITIES					2,145
UTILITIES		LS			(480)
PAVEMENTS/SITE IMPROVEMENTS		LS			(800)
VEHICLE FUEL STATION/RELOCATE ASE		LS			(230)
COMMUNICATIONS SUPPORT		LS			(95)
DEMOLITION/ASBESTOS REMOVAL		LS			(540)
SUBTOTAL					7,848
CONTINGENCY (5%)					392
TOTAL CONTRACT COST					8,240
SUPERVISION, INSPECTION AND OVERHEAD (6%)					495
TOTAL REQUEST					8,735
TOTAL REQUEST (ROUNDED)					8,699
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(300)
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab with steel-framed masonry walls and roof structure. Exterior to match base architectural style. Provide access road to vehicle maintenance shop. Includes all utilities, access pavements, site improvements, fire protection, and support. Relocate vehicle fill station to new location. Alteration: rearrange and extend interior walls and utilities. Replace roof, windows, and doors; provide exterior siding to match nearby buildings. Demolish 3 buildings (2,743 SM) and provide parking areas. Air Conditioning: 193 KW					
11. REQUIREMENT: 54,100 SM ADEQUATE: 0 SM SUBSTANDARD: 29,530 SM <u>PROJECT:</u> Vehicle/Base Engineer Maintenance Complex (Current Mission). <u>REQUIREMENT:</u> The 189th Airlift Wing (189 AW) requires properly sized and adequately configured space for training personnel to repair and maintain military vehicles and aircraft support equipment (ASE) in support of the assigned C-130 aircraft. The unit also requires a fuel dispensing island with aboveground storage tanks that comply with all environmental, operational, safety, and fire codes. In addition, requirements exist for base civil engineer, services, and air base operability maintenance, training, mobility, administrative, and storage functions. The 189 AW also requires adequately sized and properly configured space for the training of medical and dental personnel and for providing preventative medical and dental services to maintain unit readiness. <u>CURRENT SITUATION:</u> The vehicle maintenance function is housed in an inadequately sized facility that is not compatible or configured to support their maintenance and training needs. Refueler vehicle maintenance is done outside because the bays are too small and do not comply with National Electric Codes. The current ASE function is located in a pre-engineered metal building constructed in 1965. The building is too small, poorly configured, and has numerous health, fire, and safety hazards. The vehicle maintenance facility is structurally sound and being adjacent to the aircraft apron, it is an ideal location for the ASE shop. An addition to the facility will provide space for covered storage and					

1. COMPONENT ANG	FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE 1 Feb 99										
3. INSTALLATION AND LOCATION LITTLE ROCK AIR FORCE BASE, ARKANSAS												
5. PROJECT TITLE VEHICLE/BASE ENGINEER MAINTENANCE COMPLEX	7. PROJECT NUMBER NKAK989042											
<p>equipment maintenance bays for the assigned ASE. Civil engineer, services, air base operability, and medical training functions are collocated in a building which is severely undersized. The inadequately configured maintenance shops severely limit the quantity and quality of work. Services is currently located in antiquated maintenance shops at less than a third of their authorized space while air base operability is also located in an former shop area. Consequently, both functions suffer from significant inefficiencies in training and administrative space. Medical training is accomplished in an area that is less than 50 percent of the authorized space and is also poorly configured. The examination rooms are inadequate to properly perform physicals, dental check-ups, and immunizations. The facility supports approximately 980 personnel of the 189 AW and 235 personnel from two geographically separated units. Furthermore, the medical training function conducts a high number of flight physicals due to the unit mission being aircrew training. The overcrowded conditions hinder the proper processing and training of personnel, and adversely impact the privacy expected in a medical facility. Excessive time is spent in corridors and outdoors while waiting in line for physicals, immunizations, and screenings.</p> <p>IMPACT IF NOT PROVIDED: These support functions will continue to be adversely affected by the substandard facility conditions. Unit readiness will continue to be degraded as a result of the lost training opportunities. Personnel safety continues to be less than adequate and health and safety deficiencies will remain. Quality of life is seriously impaired and adversely affects morale, recruiting, and retention.</p> <p>ADDITIONAL: This project is in accordance with the approved base development plan.</p> <p>This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The ANG plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> <table> <tr> <td>Vehicle Maintenance and Training:</td> <td>2,443 SM = 26,296 SF</td> </tr> <tr> <td>Medical Training:</td> <td>910 SM = 9,795 SF</td> </tr> <tr> <td>Vehicle Ops Park Shed and CE/ASE Storage:</td> <td>1,377 SM = 14,822 SF</td> </tr> <tr> <td>Refueling Vehicle Shop:</td> <td>140 SM = 1,507 SF</td> </tr> <tr> <td>ASE Shop:</td> <td>156 SM = 1,679 SF</td> </tr> </table>			Vehicle Maintenance and Training:	2,443 SM = 26,296 SF	Medical Training:	910 SM = 9,795 SF	Vehicle Ops Park Shed and CE/ASE Storage:	1,377 SM = 14,822 SF	Refueling Vehicle Shop:	140 SM = 1,507 SF	ASE Shop:	156 SM = 1,679 SF
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1. COMPONENT ANG	FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE 1 Feb 99	
3. INSTALLATION AND LOCATION LITTLE ROCK AIR FORCE BASE, ARKANSAS			
5. PROJECT TITLE VEHICLE/BASE ENGINEER MAINTENANCE COMPLEX	7. PROJECT NUMBER NKAK989042		
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started		Mar 1997	
(b) Parametric Cost Estimates used to develop costs		YES	
* (c) Percent Complete as of Jan 1999		35%	
* (d) Date 35% Designed		Dec 1998	
(e) Date Design Complete		Sep 1999	
(f) Energy Study/Life-Cycle analysis was/will be performed		YES	
(2) Basis:			
(a) Standard or Definitive Design -		NO	
(b) Where Design Was Most Recently Used -			
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications		475	
(b) All Other Design Costs		107	
(c) Total		582	
(d) Contract		582	
(e) In-House			
(4) Construction Start		Apr 2000	
(5) Construction Completion		May 2001	
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.			
b. Equipment associated with this project will be provided from other appropriations: YES			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
Pre-wired Workstations	3840	2001	300
Point of Contact: Capt. Robert Bowie (301) 836-8187			

1. COMPONENT ANG	FY 2000 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE 1 Feb 99
3. INSTALLATION AND LOCATION MOFFETT FIELD, CALIFORNIA				4. AREA CONSTR COST INDEX 1.18	
5. FREQUENCY AND TYPE OF UTILIZATION Four 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 One Air Force Base, nine Army National Guard Units, two Army Reserve Centers, and two Navy/Marine Reserve Centers.					
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000					
CATEGORY					
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u> \$(000)	<u>DESIGN STATUS</u> <u>START</u> <u>C MPL</u>	
211-111	Replace Aircraft Maintenance Hangar	5,700 SM	14,000	Apr 98	Sep 99
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved					
				11 Mar 98 (Date)	
9. LAND ACQUISITION REQUIRED				None (Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS					
CATEGORY					
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST</u> \$(000)		
BMAR: 17,649,000					

1. COMPONENT ANG	FY 2000 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE 1 Feb 99	
3. INSTALLATION AND LOCATION						
MOFFETT FIELD, CALIFORNIA						
11. PERSONNEL STRENGTH AS OF 01 Aug 98						
	<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	267	27	224	16	841	108 733
ACTUAL	255	27	212	16	819	110 709
12. RESERVE UNIT DATA						
<u>UNIT DESIGNATION</u>			<u>STRENGTH</u>			
			<u>AUTHORIZED</u>	<u>ACTUAL</u>		
129 Aircraft Generation Squadron			63	51		
129 Civil Engineering Squadron			107	110		
129 Communication Flight			42	43		
129 Logistics Group			10	9		
129 Logistics Squadron			112	99		
129 Logistics Support Flight			15	13		
129 Medical Operating Location			5	5		
129 Medical Squadron			60	75		
129 Maintenance Squadron			99	90		
129 Mission Support Flight			66	61		
129 Operations Group			10	10		
129 Operations Support Group			22	24		
129 Rescue Squadron			117	120		
129 Rescue Wing			52	47		
129 Support Group			5	5		
129 Services Flight			20	20		
561 Air Force Band			36	37		
			<u>841</u>	<u>819</u>		
		TOTALS				
13. MAJOR EQUIPMENT AND AIRCRAFT						
<u>TYPE</u>			<u>AUTHORIZED</u>	<u>ASSIGNED</u>		
HC-130P Aircraft			4	4		
MH-60G Aircraft			5	5		
Support Equipment			98	111		
Vehicle Equivalents			230	225		

1. COMPONENT ANG		FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE 1 Feb 99			
3. INSTALLATION AND LOCATION MOFFETT FIELD, CALIFORNIA				4. PROJECT TITLE REPLACE AIRCRAFT MAINTENANCE HANGAR				
5. PROGRAM ELEMENT 55296F		6. CATEGORY CODE 211-111	7. PROJECT NUMBER QMSN929887		8. PROJECT COST(\$000) AUTH: \$14,000 APPROP: \$3,033			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
COMPOSITE MAINTENANCE HANGAR					SM	5,760		8,509
MAINTENANCE HANGAR AREA					SM	3,298	1,507	(4,970)
GENERAL PURPOSE SHOPS AREA					SM	1,700	1,453	(2,470)
NON-DESTRUCTIVE INSPECTION SHOP AREA					SM	344	1,668	(574)
AIRCRAFT GROUND EQUIPMENT STORAGE AREA					SM	418	1,184	(495)
SUPPORTING FACILITIES								4,150
UTILITIES					LS			(950)
AIRCRAFT RAMP AND ACCESS ROADS					LS			(840)
FIRE DETECTION AND SUPPRESSION SYSTEM					LS			(860)
SITE IMPROVEMENTS AND PILE FOUNDATIONS					LS			(1,300)
COMMUNICATIONS SUPPORT					LS			(150)
DEMOLITION AND ASBESTOS REMOVAL					LS			(50)
SUBTOTAL								12,659
CONTINGENCY (5%)								633
TOTAL CONTRACT COST								13,292
SUPERVISION, INSPECTION AND OVERHEAD (6%)								798
TOTAL REQUEST								14,090
TOTAL REQUEST (ROUNDED)								14,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)								(150)
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, steel structure with metal skin and roof covering. The shop areas will have reinforced concrete foundation and floor slab, steel-framed masonry walls, and roof structure, all with seismic criteria applied. Includes interior mechanical and electrical systems, fire protection, and cranes/hoists. Exterior utilities, aircraft and vehicular pavements, site improvements, pile foundations and communications support. Demolish one facility (372 SM) which is in the way of construction. Air Conditioning: 264 KW								
11. REQUIREMENT: 5,760 SM ADEQUATE: 0 SM SUBSTANDARD: 8,119 SM PROJECT: Replace Composite Maintenance Hangar (Current Mission). REQUIREMENT: The base requires an adequately sized and properly configured facility with correctly sized electrical and mechanical systems to support the aircraft maintenance, organizational maintenance shops, general purpose shops, and equipment/storage functions necessary to accomplish the training and rescue missions for the assigned HC-130 aircraft and HH-60G helicopters. CURRENT SITUATION: A Navy base closed by the 1991 Base Realignment and Closure process, Moffett Field is now operated by NASA. The ANG is a tenant and shares the runway and other airfield infrastructure. Maintenance activities for the ANG-assigned HC-130 and HH-60G aircraft are performed in a multi-use, World War II-vintage hangar. Made of redwood, the building is on the National Register of Historic Places. It was constructed for dirigibles and is 46-meters high. Besides expending an inordinate amount of money to operate and maintain it, the ANG occupies only about one-sixth of the structure. Other users have moved out due to those high costs and safety hazards. No other facility exists in which to accomplish indoor aircraft maintenance. The wooden hangar has no fire detection or suppression systems. The structural wood trusses are badly deteriorated and some have fallen onto the floor. Although no one has been injured, the threat of injuries to personnel and damage to aircraft is still apparent. An engineering study has determined the truss repairs alone cost in excess								

1. COMPONENT ANG	FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE 1 Feb 99
3. INSTALLATION AND LOCATION MOFFETT FIELD, CALIFORNIA		
5. PROJECT TITLE REPLACE AIRCRAFT MAINTENANCE HANGAR	7. PROJECT NUMBER QMSN929887	
<p>of \$5.5 million. The hangar has two doors at each end, both of which are massive in weight and height. The wheels and tracks of the doors do not function properly and are often stuck in an open or closed position and can take days to make operational. During these periods, aircraft cannot be moved, creating an extremely dangerous situation should a fire occur inside the wooden structure. The building has inadequate electrical power and lighting. Proper lighting levels can only be achieved by the use of portable units. The heating system is grossly undersized and antiquated. It is connected to a central heat plant and the steam lines are poorly insulated, old, corroded, and have friable asbestos insulation which allows substantial heat loss. During the winter, many occupants are forced to use electric space heaters which are very inefficient and add to the electrical overload. In addition, the maintenance shops are not properly sized or configured for the present mission. The NDI shop has 47 percent of the minimum required space while general purpose shops occupy 70 percent of the minimum authorization. Interior reconfiguration is not economically possible due to the structural integrity of the building. The building does not meet seismic codes and has numerous health, fire, and safety code violations.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Costs to operate and maintain the facility are exorbitant and continue to increase. Continued violations of fire, safety, building, and seismic codes causing unacceptable risks. Loss of training opportunities and effective maintenance due to poor facility conditions. Quality of life for personnel is severely impaired.</p> <p><u>ADDITIONAL:</u> The cost to upgrade the hangar and eliminate the numerous and serious health and safety code violations, as well as the connecting utility lines leading to the hangar, is estimated to cost in excess of \$25 million. Upon completion of this project, the hangar will be removed from the DOD facility inventory and will be returned to NASA for disposition.</p> <p>This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The ANG plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> <p>Maintenance Hangar: 3,298 SM = 35,499 SF General Purpose Shops: 1,700 SM = 18,299 SF Non-Destructive Inspection Shop: 344 SM = 3,703 SF Aircraft Ground Equipment Storage: 418 SM = 4,499 SF</p>		

1. COMPONENT ANG	FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE 1 Feb 99	
3. INSTALLATION AND LOCATION MOFFETT FIELD, CALIFORNIA			
5. PROJECT TITLE REPLACE AIRCRAFT MAINTENANCE HANGAR		7. PROJECT NUMBER QMSN929887	
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started		Apr 1998	
(b) Parametric Cost Estimates used to develop costs		YES	
* (c) Percent Complete as of Jan 1999		35%	
* (d) Date 35% Designed		Oct 1998	
(e) Date Design Complete		Sep 1999	
(f) Energy Study/Life-Cycle analysis was/will be performed		YES	
(2) Basis:			
(a) Standard or Definitive Design -		YES	
(b) Where Design Was Most Recently Used -		Boise, ID	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications		550	
(b) All Other Design Costs		140	
(c) Total		690	
(d) Contract		690	
(e) In-House			
(4) Construction Start		Apr 2000	
(5) Construction Completion		Jun 2001	
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.			
b. Equipment associated with this project will be provided from other appropriations: YES			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
Pre-wired Workstations	3840	2001	150
Point of Contact: Mr. Hal Brazelton (301) 836-8072			

1. COMPONENT ANG	FY 2000 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE 1 Feb 99	
3. INSTALLATION AND LOCATION SAVANNAH INTERNATIONAL AIRPORT, GEORGIA			4. AREA CONSTR COST INDEX .83		
5. FREQUENCY AND TYPE OF UTILIZATION Year-round operational training of Air National Guard units, and other Reserve Components' and Active Duty military units.					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS 1 Army Base					
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000					
CATEGORY			COST	<u>DESIGN STATUS</u>	
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>\$(000)</u>	<u>START</u>	<u>CMPL</u>
179-511	Regional Fire Training Facility	LS	1,700	Mar 98	Jun 99
442-758	Composite Support Complex	9,773 SM	9,800	Mar 97	Jun 99
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved					15 Jul 98 (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>	
725-517	Replace Troop Training Quarters/Dining Hall	7,488 SM		14,000	
171-445	Replace Operations and Training Facility	5,547 SM		9,000	
BMAR: \$13,329,000					

1. COMPONENT ANG	FY 2000 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 1 Feb 99
3. INSTALLATION AND LOCATION SAVANNAH INTERNATIONAL AIRPORT, GEORGIA		
11. PERSONNEL STRENGTH AS OF 01 Jun 98		
	<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	259 24 235 0	974 129 845
ACTUAL	188 24 164 0	970 122 848
12. RESERVE UNIT DATA		
<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>	
	<u>AUTHORIZED</u>	<u>ACTUAL</u>
158 Airlift Squadron	95	91
165 Airlift Group	56	56
165 Aircraft Generation Squadron	63	64
165 Aerial Port Squadron	99	94
165 Civil Engineering Squadron	137	142
165 Communication Flight	47	45
165 Logistics Group	10	11
165 Logistics Squadron	112	115
165 Logistics Support Flight	13	14
165 Medical Squadron	65	67
165 Maintenance Squadron	137	120
165 Mission Support Flight	32	33
165 Operations Group	6	6
165 Operations Support Flight	19	20
165 Security Forces	58	64
165 Support Group	5	4
165 Services Flight	<u>20</u>	<u>24</u>
TOTALS	<u>974</u>	<u>970</u>
13. MAJOR EQUIPMENT AND AIRCRAFT		
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>
Vehicle Equivalents	81	78
Support Equipment	143	113
C-130H Aircraft	8	9

1. COMPONENT ANG		FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE 1 Feb 99	
3. INSTALLATION AND LOCATION SAVANNAH INTERNATIONAL AIRPORT, GEORGIA			4. PROJECT TITLE COMPOSITE SUPPORT COMPLEX		
5. PROGRAM ELEMENT 55296F	6. CATEGORY CODE 442-758	7. PROJECT NUMBER XDQU919577	8. PROJECT COST(\$000) AUTH: \$9,800 APPROP: \$2,116		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
COMPOSITE SUPPORT COMPLEX		SM	9,773		7,173
REPLACE BASE SUPPLY WAREHOUSE		SM	4,106	807	(3,314)
REPLACE BASE SUPPLY ADMINISTRATION		SM	892	1,076	(960)
REPLACE BASE SUPPLY STORAGE SHED		SM	975	592	(577)
UPGRADE CIVIL ENGINEER SHOPS & TRAINING		SM	2,676	538	(1,440)
UPGRADE SECURITY FORCES FACILITY		SM	910	538	(490)
CONSTRUCT HAZARDOUS MATERIALS PHARMACY		SM	214	1,830	(392)
SUPPORTING FACILITIES					1,250
UTILITIES/COMMUNICATIONS/SECURITY SUPPORT		LS			(450)
SITE IMPROVEMENTS/PAVEMENTS/BASE ENTRANCE		LS			(350)
DEMOLITION/ASBESTOS REMOVAL		LS			(250)
FIRE PROTECTION SUPPORT		LS			(200)
SUBTOTAL					8,423
CONTINGENCY (10%)					842
TOTAL CONTRACT COST					9,265
SUPERVISION, INSPECTION AND OVERHEAD (6%)					556
TOTAL REQUEST					9,821
TOTAL REQUEST (ROUNDED)					9,800
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(450)
10. Description of Proposed Construction: New Construction: Reinforced concrete foundations and floor slab with steel-framed masonry walls and roof structure. Project includes all exterior utilities, pavements, site improvements, fire protection and support. Upgrade the base entrance at a new location. Alteration: Interior modifications to walls and finishes; extend and modify mechanical, electrical, and fire protection systems. Provide exterior treatment to the upgraded facilities to match base architectural style. Demolish buildings and landscape the grounds. Air Conditioning: 123 KW					
11. REQUIREMENT: 9,773 SM ADEQUATE: 0 SM SUBSTANDARD: 9,328 SM <u>PROJECT:</u> Composite Support Complex (Current Mission). <u>REQUIREMENT:</u> There are two distinct ANG units at Savannah IAP: Combat Readiness Training Center (CRTC) and 165th Airlift Wing (165 AW) which operates C-130 aircraft. Each unit has separate base supply and civil engineering functions and facility requirements. The CRTC is a regional ANG training base where deploying units from the total force train on nearby air-to-ground and air-to-air ranges. Functional areas required for base supply include warehouse space, administration, traffic management office, contracting, issue, receiving, mobility storage, and readiness spares package (RSP). A consolidated, single point hazardous materials pharmacy is required to store, control and issue hazardous materials and includes a small administrative area for record keeping. It should be in compliance with all safety, environmental and fire code requirements. The civil engineering functions require adequate space for training personnel and maintaining facilities for both units. Functional areas for civil engineering include administration, shops, open storage, and covered storage. The security forces squadron requires adequate space for training, mobility storage, weapons vault, alarm room, and administration. <u>CURRENT SITUATION:</u> The CRTC supply facilities are scattered among six buildings. Three of these are in poor condition with two being built in the 1950s. The 165 AW supply function is located in					

1. COMPONENT ANG	FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE 1 Feb 99												
3. INSTALLATION AND LOCATION SAVANNAH INTERNATIONAL AIRPORT, GEORGIA														
5. PROJECT TITLE COMPOSITE SUPPORT COMPLEX	7. PROJECT NUMBER XDQU919577													
<p>five buildings, four of which were built in the 1940s. They have low ceilings, worn exterior and interior finishes, insufficient insulation, and electrical and mechanical systems in poor condition and energy inefficient. Most of these facilities have many health, safety and fire code violations. Several roofs have leaked and damaged the wood trusses. The warehouses have only a 3-meter clear height which creates facility inefficiencies and safety problems during material handling operations. At the 165 AW base supply, the access road turning radius prevents 18-wheel delivery trucks from entering through the main gate. The trucks must back up on a public roadway to a separate gate to load and unload. This makeshift operation is unsafe and compromises security. Three CRTC base supply facilities (Buildings 906, 907, and 908) are structurally sound, but unsuitable for the supply function. This project renovates them for the CRTC civil engineering covered storage and shops, and the 165 AW civil engineering administration and shops. These functions are currently housed in six 1950s vintage semi-permanent structures which are structurally defective, totally antiquated, and have numerous health, fire and safety deficiencies. The shops are inadequate in size, configuration, and lack training classroom space. The shop equipment cannot be properly operated because they lack proper safety clearances around them. These facilities have exceeded their useful life and are slated for demolition. Both the civil engineer and base supply functions lack covered storage areas. Much equipment is stored outside, causing accelerated deterioration due to weather. Security forces occupy space in two buildings with some supply functions. They are structurally sound and the space to be vacated by base supply will be upgraded for the security forces squadron which has only 58% of its authorized space in antiquated facilities requiring extensive repair. The electrical and mechanical systems are undersized and violate safety and health requirements. Hazardous materials are being stored in small buildings all over this installation. These buildings are in poor condition with leaking roofs and exterior walls that are not weatherproof. The hazardous materials storage areas have electrical systems that do not comply with the National Electric Code, do not meet the Air Force requirement to have one point of issue and control at each installation, and lack administrative space.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The CRTC and 165 AW missions continue to be restricted by ineffective and inefficient supply and civil engineering functions. Risks to personnel from fire and safety hazards will continue. Operating costs will remain high. Security risks to personnel, materials and equipment will continue. Quality of life is negatively impacted and degrades morale, recruiting, and retention.</p> <p><u>ADDITIONAL:</u> Twenty buildings will be demolished as a result of this project for a total of 4,643 SM. This is the initial phase of the approved comprehensive base master plan to consolidate and modernize the facilities for this installation.</p> <p>This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The ANG plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> <table border="0"> <tr> <td>Base Supply Warehouse:</td> <td>4,106 SM = 44,197 SF</td> </tr> <tr> <td>Base Supply Administration:</td> <td>892 SM = 9,601 SF</td> </tr> <tr> <td>Base Supply Storage:</td> <td>975 SM = 10,495 SF</td> </tr> <tr> <td>Civil Engineer Shops & Training:</td> <td>2,676 SM = 28,804 SF</td> </tr> <tr> <td>Security Forces Facility:</td> <td>910 SM = 9,795 SF</td> </tr> <tr> <td>Hazardous Materials Pharmacy:</td> <td>214 SM = 2,303 SF</td> </tr> </table>			Base Supply Warehouse:	4,106 SM = 44,197 SF	Base Supply Administration:	892 SM = 9,601 SF	Base Supply Storage:	975 SM = 10,495 SF	Civil Engineer Shops & Training:	2,676 SM = 28,804 SF	Security Forces Facility:	910 SM = 9,795 SF	Hazardous Materials Pharmacy:	214 SM = 2,303 SF
Base Supply Warehouse:	4,106 SM = 44,197 SF													
Base Supply Administration:	892 SM = 9,601 SF													
Base Supply Storage:	975 SM = 10,495 SF													
Civil Engineer Shops & Training:	2,676 SM = 28,804 SF													
Security Forces Facility:	910 SM = 9,795 SF													
Hazardous Materials Pharmacy:	214 SM = 2,303 SF													

1. COMPONENT ANG	FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE 1 Feb 99	
3. INSTALLATION AND LOCATION SAVANNAH INTERNATIONAL AIRPORT, GEORGIA			
5. PROJECT TITLE COMPOSITE SUPPORT COMPLEX	7. PROJECT NUMBER XDQU919577		
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started		Mar 1997	
(b) Parametric Cost Estimates used to develop costs		YES	
* (c) Percent Complete as of Jan 1999		35%	
* (d) Date 35% Designed		Jun 1998	
(e) Date Design Complete		Jun 1999	
(f) Energy Study/Life-Cycle analysis was/will be performed		YES	
(2) Basis:			
(a) Standard or Definitive Design -		NO	
(b) Where Design Was Most Recently Used -			
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications		588	
(b) All Other Design Costs		180	
(c) Total		768	
(d) Contract		768	
(e) In-House			
(4) Construction Start		Apr 2000	
(5) Construction Completion		Jun 2001	
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.			
b. Equipment associated with this project will be provided from other appropriations: YES			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
Pre-wired Workstations	3840	2001	450
Point of Contact: Mr. Steve Rider (301) 836-8083			

1. COMPONENT ANG	FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE 1 Feb 99	
3. INSTALLATION AND LOCATION SAVANNAH INTERNATIONAL AIRPORT, GEORGIA		4. PROJECT TITLE REGIONAL FIRE TRAINING FACILITY			
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 179-511	7. PROJECT NUMBER XDQU909706	8. PROJECT COST(\$000) AUTH: \$1,700 APPROP: \$368		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
REGIONAL FIRE TRAINING FACILITY		LS			1,300
SUPPORTING FACILITIES					230
UTILITIES		LS			(85)
PAVEMENTS		LS			(40)
SITE IMPROVEMENTS		LS			(35)
ACCESS ROAD		LS			(35)
COMMUNICATIONS SUPPORT		LS			(35)
SUBTOTAL					1,530
CONTINGENCY (5%)					77
TOTAL CONTRACT COST					1,607
SUPERVISION, INSPECTION AND OVERHEAD (6%)					96
TOTAL REQUEST					1,703
TOTAL REQUEST (ROUNDED)					1,700
10. Description of Proposed Construction: Live fire training facility with large frame aircraft mock-up, polyethylene liner system, liquid propane gas (LPG) storage tank, piping, controls and ignition system, electric service, closed-loop water conservation system with storage tank. Lighting, access road, vehicle operating area, control room, fencing and all necessary support.					
11. REQUIREMENT: As Required. PROJECT: Regional Fire Training Facility (Current Mission). REQUIREMENT: This is a Level I Environmental Compliance requirement. The Savannah Combat Readiness Training Center (CRTC) is an ANG-operated training base that serves as a regional training site for ground and air forces of the active and reserve components. The base requires a properly designed, correctly configured, and environmentally safe fire training facility to support units who deploy there for training. This facility would reduce air emissions, water pollution, and hazardous waste generation by centralizing fire training at a regional site. It will eliminate those individual unit fire training facilities not meeting Federal, State, and local air and water quality statutes and regulations. CURRENT SITUATION: The base does not have an environmentally approved fire training pit to accomplish hands-on training on live fires. There was a fire training pit on this installation that did not meet the environmental requirements and had to be shut down. Personnel must now accomplish essential fire training in a makeshift, simulated environment that does not satisfy training requirements. Total Force fire fighters cannot deploy to Savannah CRTC with their assigned PRIME BEEF teams for wartime training due to this shortcoming. The interim concept of operations is not to deploy the fire fighters to the Savannah CRTC, but train them at another regional center in conjunction with other deployments. This is the only one of the four ANG CRTCs without a functional fire training facility. IMPACT IF NOT PROVIDED: Fire fighters cannot be fully trained on their peacetime and wartime duties. Lack of training opportunities and higher operating costs would continue. Regional training facility would be more environmentally sound and cost effective. ADDITIONAL: ANG has over 85 locations with a requirement to train fire fighters. By maximizing joint use of active Air Force and Air Force Reserve fire training facilities, the number of ANG sites can be drastically reduced to the four CRTCs and the three Home Stations Training Sites (HSTS). This CRTC and one HSTS remain to be accomplished.					

1. COMPONENT ANG	FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE 1 Feb 99
3. INSTALLATION AND LOCATION SAVANNAH INTERNATIONAL AIRPORT, GEORGIA		
5. PROJECT TITLE REGIONAL FIRE TRAINING FACILITY	7. PROJECT NUMBER XDQU909706	
<p>This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The ANG plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p>		

1. COMPONENT ANG	FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE 1 Feb 99
3. INSTALLATION AND LOCATION SAVANNAH INTERNATIONAL AIRPORT, GEORGIA		
5. PROJECT TITLE REGIONAL FIRE TRAINING FACILITY		7. PROJECT NUMBER XDQU909706
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		Mar 1998
(b) Parametric Cost Estimates used to develop costs		YES
* (c) Percent Complete as of Jan 1999		35%
* (d) Date 35% Designed		Oct 1998
(e) Date Design Complete		Jun 1999
(f) Energy Study/Life-Cycle analysis was/will be performed		NO
(2) Basis:		
(a) Standard or Definitive Design -		YES
(b) Where Design Was Most Recently Used -		Alpena, MI
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		94
(b) All Other Design Costs		34
(c) Total		128
(d) Contract		128
(e) In-House		
(4) Construction Start		May 2000
(5) Construction Completion		Jan 2001
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations:		N/A
Point of Contact: Mr. Steve Rider (301) 836-8083		

1. COMPONENT ANG	FY 2000 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE 1 Feb 99
3. INSTALLATION AND LOCATION BOISE AIR TERMINAL, IDAHO				4. AREA CONSTR COST INDEX 1.06
5. FREQUENCY AND TYPE OF UTILIZATION Four 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 None				
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000				
CATEGORY			COST	<u>DESIGN STATUS</u>
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>\$(000)</u>	<u>START</u> <u>CMPL</u>
116-661	A-10 Expand Arm And Disarm Apron	8,445 SM	1,600	Apr 98 Jun 99
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved				14 Apr 98 (Date)
9. LAND ACQUISITION REQUIRED				<u>None</u> (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
CATEGORY			SCOPE	COST
<u>CODE</u>	<u>PROJECT TITLE</u>			<u>\$(000)</u>
211-179	A-10 Fuel Cell/Corrosion Control Facility		2,824 SM	2,300
442-758	Add/Alter Base Supply Complex		2,239 SM	3,000
171-450	Replace Joint Medical Training Facility (w/ARNG)		1,765 SM	2,250
BMAR: \$31,780,000				

1. COMPONENT ANG	FY 2000 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE 1 Feb 99	
3. INSTALLATION AND LOCATION						
BOISE AIR TERMINAL, IDAHO						
11. PERSONNEL STRENGTH AS OF 03 Aug 98						
	<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	479	37	442	0	1,233	149 1,084
ACTUAL	469	41	428	0	1,113	130 983
12. RESERVE UNIT DATA						
	<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>				
		<u>AUTHORIZED</u>		<u>ACTUAL</u>		
	124 Aircraft Generation Squadron	150		123		
	124 Aerial Port Flight	64		43		
	124 Civil Engineering Squadron	137		123		
	124 Communication Flight	52		49		
	124 Fighter Squadron	66		49		
	124 Logistics Group	24		22		
	124 Logistics Squadron	116		102		
	124 Logistics Support Group	37		32		
	124 Medical Squadron	57		55		
	124 Maintenance Squadron	248		222		
	124 Mission Support Flight	30		31		
	124 Operations Group	7		7		
	124 Operations Support Flight	34		29		
	124 Security Forces Squadron	58		58		
	124 Support Group	5		5		
	124 Services Flight	30		27		
	189 Fighter Flight	53		53		
	190 Fighter Squadron	37		35		
	8124 Student Flight	0		25		
	HQ IDANG	28		23		
	TOTALS	1,233		1,113		
13. MAJOR EQUIPMENT AND AIRCRAFT						
	<u>TYPE</u>	<u>AUTHORIZED</u>		<u>ASSIGNED</u>		
	Vehicle Equivalents	385		397		
	Support Equipment	299		277		
	C-130 Aircraft	4		5		
	A-10 Aircraft	15		17		

1. COMPONENT ANG	FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE 1 Feb 99	
3. INSTALLATION AND LOCATION BOISE AIR TERMINAL, IDAHO			4. PROJECT TITLE A-10 EXPAND ARM AND DISARM APRON		
5. PROGRAM ELEMENT 52619F	6. CATEGORY CODE 116-661	7. PROJECT NUMBER BXRH959649	8. PROJECT COST(\$000) AUTH: \$1,600 APPROP: \$350		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
EXPAND ARM AND DISARM APRON		SM	8,445		962
ADD TO ARM/DISARM APRON - WEST END		SM	1,171	114	(133)
ADD TO ARM/DISARM APRON - EAST END		SM	7,274	114	(829)
SUPPORTING FACILITIES					490
NEW PAVED SHOULDERS		SM	6,689	44	(294)
EDGE LIGHTING		LM	518	285	(148)
AIRFIELD MARKINGS		LS			(10)
ACCESS ROAD		LS			(6)
SITE IMPROVEMENTS		LS			(32)
SUBTOTAL					1,452
CONTINGENCY (5%)					73
TOTAL CONTRACT COST					1,525
SUPERVISION, INSPECTION AND OVERHEAD (6%)					92
TOTAL REQUEST					1,617
TOTAL REQUEST (ROUNDED)					1,600
10. Description of Proposed Construction: Expand reinforced concrete apron and asphalt shoulders. Provide additional grounding points and aircraft position markings. Extend airfield lighting and restripe pavement.					
11. REQUIREMENT: 18,478 SM ADEQUATE: 10,033 SM SUBSTANDARD: 0 SM PROJECT: A-10 Expand Arm and Disarm Apron (New Mission). REQUIREMENT: This project supports the conversion from F-4G to A-10 aircraft. The base requires a properly sized and configured apron near each end of the runway to enable four aircraft to be armed and disarmed prior to departure or immediately upon return to the airfield. These aprons are also required for final check and inspection of aircraft systems before take-off. This mission essential project directly supports the operational mission and readiness training of the unit. CURRENT SITUATION: The base is located on a commercial airport. Neither end of runway 10R/28L has a properly sized arm and disarm area. The A-10 aircraft are considerably larger than the previously assigned F-4G aircraft so only two fit on either of the existing aprons. There is an operational requirement to simultaneously arm or disarm four aircraft at the runway ends. At the present time, fully armed aircraft taxi past the commercial passenger terminal and parked civil aviation aircraft to be dearmed. This is dangerous given the proximity of the municipal airport and not in accordance with Air Force safety regulations. IMPACT IF NOT PROVIDED: Operations continues to be performed without complying with prescribed safety regulations and procedures. Increased risk from a mishap causing harm/injury to civilian personnel and facilities. Unable to properly train air crews and reaching full operational capability is hampered. This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The ANG plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. Apron – West End: 1,171 SM = 1,400 SY Apron – East End: 7,274 SM = 8,700 SY					

1. COMPONENT ANG	FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE 1 Feb 99
3. INSTALLATION AND LOCATION BOISE AIR TERMINAL, IDAHO		
5. PROJECT TITLE A-10 EXPAND ARM AND DISARM APRON		7. PROJECT NUMBER BXRH959649
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		Apr 1998
(b) Parametric Cost Estimates used to develop costs		NO
* (c) Percent Complete as of Jan 1999		35%
* (d) Date 35% Designed		Oct 1998
(e) Date Design Complete		Jun 1999
(f) Energy Study/Life-Cycle analysis was/will be performed		NO
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		112
(b) All Other Design Costs		24
(c) Total		136
(d) Contract		136
(e) In-House		
(4) Construction Start		Apr 2000
(5) Construction Completion		Nov 2000
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations:		N/A
Point of Contact: Mr. John Loehle (301) 836-8076		

1. COMPONENT ANG	FY 2000 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE 1 Feb 99	
3. INSTALLATION AND LOCATION VOLK FIELD, WISCONSIN			4. AREA CONSTR COST INDEX 1.15		
5. FREQUENCY AND TYPE OF UTILIZATION Year-round operational training of Air National Guard units, and other Reserve Components' and Active Duty military units.					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS 1 Army National Guard unit					
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000					
CATEGORY			COST	DESIGN STATUS	
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>\$(000)</u>	<u>START</u>	<u>CMPL</u>
725-517	Replace Troop Training Quarters	6,039 SM	8,900	Feb 98	Jun 99
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved				06 Oct 98 (Date)	
9. LAND ACQUISITION REQUIRED				None (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>
BMAR: \$29,361,000					

1. COMPONENT ANG	FY 2000 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 1 Feb 99
3. INSTALLATION AND LOCATION		
VOLK FIELD, WISCONSIN		
11. PERSONNEL STRENGTH AS OF 04 Apr 97		
	<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	142 19 121 2	249 27 222
ACTUAL	113 16 95 2	230 23 207
12. RESERVE UNIT DATA		
	<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>
	128 Air Control Squadron	<u>AUTHORIZED</u> <u>ACTUAL</u>
	VOLK CRTC	131 125
		<u>118</u> <u>105</u>
	TOTALS	<u>249</u> <u>230</u>
13. MAJOR EQUIPMENT AND AIRCRAFT		
	<u>TYPE</u>	<u>AUTHORIZED</u> <u>ASSIGNED</u>
	Vehicle Equivalents	792 775
	Support Equipment	416 296

1. COMPONENT ANG	FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE 1 Feb 99	
3. INSTALLATION AND LOCATION VOLK FIELD, WISCONSIN			4. PROJECT TITLE REPLACE TROOP TRAINING QUARTERS		
5. PROGRAM ELEMENT 55296F	6. CATEGORY CODE 725-517	7. PROJECT NUMBER YAQF959548	8. PROJECT COST(\$000) AUTH: \$8,900 APPROP: \$1,923		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
REPLACE TROOP TRAINING QUARTERS		SM	6,039		6,950
TROOP TRAINING QUARTERS AREA		SM	5,574	1,130	(6,300)
ASSEMBLY HALL AREA		SM	465	1,561	(650)
SUPPORTING FACILITIES					1,055
UTILITIES		LS			(185)
PAVEMENTS		LS			(280)
SITE IMPROVEMENTS		LS			(150)
FIRE PROTECTION SYSTEM		LS			(175)
DEMOLITION/ASBESTOS REMOVAL		LS			(180)
COMMUNICATIONS SUPPORT		LS			(85)
SUBTOTAL					8,005
CONTINGENCY (5%)					400
TOTAL CONTRACT COST					8,405
SUPERVISION, INSPECTION AND OVERHEAD (6%)					506
TOTAL REQUEST					8,911
TOTAL REQUEST (ROUNDED)					8,900
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(320)
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, steel-framed structure utilizing masonry walls, and roof system. Interior walls, and mechanical, electrical and fire protection systems. Exterior utilities, pavements, site improvements, fire protection, and support. Demolish buildings and landscape site. Air Conditioning: 263 KW					
11. REQUIREMENT: 1,000 PN ADEQUATE: 760 PN SUBSTANDARD: 88 PN PROJECT: Replace Troop Training Quarters (Current Mission). REQUIREMENT: The Volk Field Combat Readiness Training Center (CRTC) is operated by the ANG and serves as a regional training base for the Total Force. Its air-to-ground range with Air Combat Maneuverability Instrumentation (ACMI) attracts active and reserve component units from all services. Volk Field supports the largest ANG readiness training program with 8,400 personnel deployed annually. Additionally, the CRTC supports 500-750 personnel as part of Air Combat Command and Air Mobility Command Operational Readiness Inspections each year. Adequate sleeping accommodations and an assembly hall are required for deployed personnel. This project eliminates the 152-PN shortage of troop quarters and replaces eight 11-person substandard troop quarters (88 PN). It also replaces deteriorated and undersized assembly hall with one providing space for 300 persons. CURRENT SITUATION: The troop quarters are block and frame structures built in the early 1950s and are substandard in terms of construction, functionality, energy efficiency, safety and space. The rooms are open-bay, lack fire protection, and contain numerous health and safety violations. Lounge and storage areas are practically non-existent. Latrines and showers are antiquated, gang-configured, and undersized. The plumbing fixtures are old, rusted, unsanitary, and require frequent maintenance. The accommodations do not meet the most minimal quality of life standards. The base is in a remote part of the state, so off-base accommodations are limited and detract from the wartime team training concept. The assembly hall is located in an old wood theater which is grossly undersized. It was constructed as a temporary structure in the early 1950s. It does not have any fire protection and violates					

1. COMPONENT ANG	FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE 1 Feb 99
3. INSTALLATION AND LOCATION VOLK FIELD, WISCONSIN		
5. PROJECT TITLE REPLACE TROOP TRAINING QUARTERS	7. PROJECT NUMBER YAQF959548	
<p>numerous other federal and state codes. The utility systems are old and undersized requiring extensive upgrade or replacement.</p> <p>IMPACT IF NOT PROVIDED: Unable to provide proper sleeping accommodations for deploying personnel. Continued dissatisfaction and decline in morale resulting in degraded operational training. Units' ability to develop wartime readiness and improve proficiency is adversely affected. Split briefings increase scheduling conflicts for units. Inefficient processing of units, loss of quality training, and poor command and control of units continue. Establishing quality living space for deploying personnel cannot be met. Higher operating costs.</p> <p>ADDITIONAL: Upon completion of this project, buildings 118, 119, 120, 121, 122, 123, 124, 133, and 502 for a total of 1,693 SM will be demolished. An economic analysis has been prepared comparing the alternatives of new construction, add/alter and status quo operation. Based on the net present values and benefits of the respective alternatives, a new addition was found to be the most cost efficient over the life of the project.</p> <p>This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The ANG plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> <p>Troop Training Quarters: 5,574 SM = 60,000 SF Assembly Hall: 465 SM = 5,000 SF</p>		

1. COMPONENT ANG	FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE 1 Feb 99	
3. INSTALLATION AND LOCATION VOLK FIELD, WISCONSIN			
5. PROJECT TITLE REPLACE TROOP TRAINING QUARTERS		7. PROJECT NUMBER YAQF959548	
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started		Feb 1998	
(b) Parametric Cost Estimates used to develop costs		NO	
* (c) Percent Complete as of Jan 1999		35%	
* (d) Date 35% Designed		Oct 1998	
(e) Date Design Complete		Jun 1999	
(f) Energy Study/Life-Cycle analysis was/will be performed		YES	
(2) Basis:			
(a) Standard or Definitive Design -		YES	
(b) Where Design Was Most Recently Used -		Gulfport, MS	
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications		457	
(b) All Other Design Costs		182	
(c) Total		639	
(d) Contract		639	
(e) In-House			
(4) Construction Start		May 2000	
(5) Construction Completion		Jul 2001	
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.			
b. Equipment associated with this project will be provided from other appropriations: YES			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
Pre-wired Workstations	3840	2001	320
Point of Contact: Mr. John Loehle (301) 836-8076			

1. COMPONENT ANG	FY 2000 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE 1 Feb 99	
3. INSTALLATION AND LOCATION LUIS MUNOZ-MARIN INTERNATIONAL AIRPORT, PUERTO RICO				4. AREA CONSTR COST INDEX 1.16	
5. FREQUENCY AND TYPE OF UTILIZATION Four 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 1 Air National Guard Unit, 1 Active Army Unit, 3 Army National Guard Units, 3 Army Reserve Units and 2 Naval Units.					
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000					
CATEGORY			COST	DESIGN STATUS	
<u>CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>\$(000)</u>	<u>START</u>	<u>CMPL</u>
211-179	C-130 Fuel Cell/Corrosion Control Hangar	2,601 SM	5,600	Mar 98	Sep 99
211-111	C-130 Upgrade Aircraft Maintenance Hangar	5,435 SM	3,800	Mar 98	Sep 99
113-321	C-130 Add To Aircraft Parking Apron	14,214 SM	2,250	Mar 98	Sep 99
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved				17 Jul 98 (Date)	
9. LAND ACQUISITION REQUIRED				None (Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS					
CATEGORY				SCOPE	COST
<u>CODE</u>	<u>PROJECT TITLE</u>				<u>\$(000)</u>
BMAR: \$4,060,000					

1. COMPONENT ANG	FY 2000 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 1 Feb 99
3. INSTALLATION AND LOCATION		
LUIS MUNOZ-MARIN INTERNATIONAL AIRPORT, PUERTO RICO		
11. PERSONNEL STRENGTH AS OF 31 Jul 98		
	<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>	<u>TOTAL</u>
AUTHORIZED	299	28
	271	0
ACTUAL	194	16
	178	0
	948	120
	954	828
	89	865
12. RESERVE UNIT DATA		
<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>	
	<u>AUTHORIZED</u>	<u>ACTUAL</u>
156 Aircraft Generation Squadron	63	146
156 Aerial Port Flight	64	0
156 Airlift Wing	57	55
156 Civil Engineering Squadron	137	122
156 Communication Flight	52	51
156 Logistics Group	10	16
156 Logistics Squadron	112	111
156 Logistics Support Flight	13	27
156 Medical Squadron	59	63
156 Maintenance Squadron	138	173
156 Mission Support Flight	30	29
156 Operations Group	6	3
156 Operations Support Flight	19	24
156 Security Forces Squadron	58	59
156 Support Group	5	4
156 Services Flight	30	27
198 Airlift Squadron	<u>95</u>	<u>44</u>
TOTALS	<u>948</u>	<u>954</u>
13. MAJOR EQUIPMENT AND AIRCRAFT		
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>
Vehicle Equivalents	374	321
Support Equipment	167	119
C-26 (DI)Aircraft	1	1
C-130E Aircraft	8	1

1. COMPONENT ANG	FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE 1 Feb 99	
3. INSTALLATION AND LOCATION LUIS MUNOZ-MARIN INTERNATIONAL AIRPORT, PUERTO RICO			4. PROJECT TITLE C-130 FUEL CELL AND CORROSION CONTROL FACILITY		
5. PROGRAM ELEMENT 54332F	6. CATEGORY CODE 211-179	7. PROJECT NUMBER TUMR989003	8. PROJECT COST(\$000) AUTH: \$5,600 APPROP: \$1,212		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
FUEL SYSTEMS/CORROSION CONTROL FACILITY		SM	2,601		4,267
FUEL SYSTEMS MAINTENANCE HANGAR AREA		SM	2,155	1,668	(3,595)
FUEL SYSTEMS MAINTENANCE SHOP AREA		SM	158	1,507	(238)
CORROSION CONTROL SHOP AREA		SM	139	1,507	(209)
PLASTIC MEDIA STRIPPING AREA		SM	149	1,507	(225)
SUPPORTING FACILITIES					770
UTILITIES		LS			(195)
PAVEMENTS		LS			(230)
SITE IMPROVEMENTS		LS			(50)
FIRE PROTECTION		LS			(225)
COMMUNICATIONS SUPPORT		LS			(60)
SUBTOTAL					5,037
CONTINGENCY (5%)					252
TOTAL CONTRACT COST					5,289
SUPERVISION, INSPECTION AND OVERHEAD (6%)					319
TOTAL REQUEST					5,608
TOTAL REQUEST (ROUNDED)					5,600
10. Description of Proposed Construction: Concrete floor slab, foundations, footings, structural steel framing, masonry walls and standing seam metal roof. Mechanical ventilation system, drainage with oil/water separator, fire suppression (overhead wet pipe and underwing AFFF), personnel breathing apparatus, fall protection system, and all utilities and support. Air Conditioning: 35 KW					
11. REQUIREMENT: 2,601 SM ADEQUATE: 0 SM SUBSTANDARD: 1,700 SM PROJECT: C- 130 Fuel Cell and Corrosion Control Facility (New Mission). REQUIREMENT: This project supports the conversion from 15 F-16 to 8 C-130 aircraft. The base needs a facility for the repair of aircraft fuel cells and bladders and space for the performance of corrosion control, washing, and spot painting of parts. Functional areas include fuel cell hangar bay, blue foam storage, bladder repair, support shops, and approach aprons to the hangar. Work must be performed indoors to keep dust and debris from entering the fuel cell bladders and to meet safety and environmental requirements. CURRENT SITUATION: Due to significantly different space requirements, the F-16 fuel cell and corrosion control facilities cannot be used by the C-130 aircraft. The unit does not have any other facility to house these functions. Weather conditions and environmental regulations require that fuel cell maintenance be performed indoors since the aircraft fuel bladders and cells must remain open in accordance with Technical Orders. Until this project is completed, the work will be done on the ramp or the aircraft flown to another base. The new facility can only be built in an area that requires a fair amount of site improvements. IMPACT IF NOT PROVIDED: Fuel system maintenance and corrosion control will have to be performed on the ramp in an unsafe manner and in violation of Technical Orders. Lost training opportunities. Compliance with environmental regulations cannot be met without this facility. Unable to reach full operational capability.					

1. COMPONENT ANG	FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE 1 Feb 99
3. INSTALLATION AND LOCATION LUIS MUNOZ-MARIN INTERNATIONAL AIRPORT, PUERTO RICO		
5. PROJECT TITLE C-130 FUEL CELL AND CORROSION CONTROL FACILITY	7. PROJECT NUMBER TUMR989003	
<p><u>ADDITIONAL:</u> The space in Building 3 currently utilized for the F-16 fuel cell function (1,050 SM) will be converted to a Fire Crash/Rescue Station. The space in Building 19 currently utilized for the F-16 corrosion control function (650 SM) will be used by the counterdrug operation. All known options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was required.</p> <p>This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The ANG plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> <p>Fuel Systems Maintenance Hangar: 2,155 SM = 23,200 SF Fuel Systems Maintenance Shop: 158 SM = 1,700 SF Corrosion Control Shop: 139 SM = 1,500 SF Plastic Media Stripping Area: 149 SM = 1,600 SF</p>		

1. COMPONENT ANG	FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE 1 Feb 99
3. INSTALLATION AND LOCATION LUIS MUNOZ-MARIN INTERNATIONAL AIRPORT, PUERTO RICO		
5. PROJECT TITLE C-130 FUEL CELL AND CORROSION CONTROL FACILITY		7. PROJECT NUMBER TUMR989003
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		Mar 1998
(b) Parametric Cost Estimates used to develop costs		YES
* (c) Percent Complete as of Jan 1999		35%
* (d) Date 35% Designed		Nov 1998
(e) Date Design Complete		Sep 1999
(f) Energy Study/Life-Cycle analysis was/will be performed		YES
(2) Basis:		
(a) Standard or Definitive Design -		YES
(b) Where Design Was Most Recently Used -		Boise, ID
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		265
(b) All Other Design Costs		112
(c) Total		377
(d) Contract		377
(e) In-House		
(4) Construction Start		May 2000
(5) Construction Completion		Aug 2001
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations:		N/A
Point of Contact: Mr. John Loehle (301) 836-8076		

1. COMPONENT ANG		FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE 1 Feb 99			
3. INSTALLATION AND LOCATION LUIS MUNOZ-MARIN INTERNATIONAL AIRPORT, PUERTO RICO				4. PROJECT TITLE C-130 UPGRADE AIRCRAFT MAINTENANCE HANGAR				
5. PROGRAM ELEMENT 54332F		6. CATEGORY CODE 211-111	7. PROJECT NUMBER TUMR989005		8. PROJECT COST(\$000) AUTH: \$3,800 APPROP: \$825			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE MAINTENANCE HANGAR					SM	5,435		3,138
ADD/ALTER HANGAR BAY					SM	2,787	431	(1,201)
ALTER MAINTENANCE SHOPS					SM	1,858	646	(1,200)
NEW AIRCRAFT SUPPORT EQUIPMENT (ASE) AREA					SM	446	1,238	(552)
RELOCATE COVERED STORAGE AREA					SM	344	538	(185)
SUPPORTING FACILITIES								290
UTILITIES					LS			(40)
PAVEMENTS/SITE IMPROVEMENTS					LS			(85)
FIRE PROTECTION SYSTEM					LS			(150)
DEMOLITION					LS			(15)
SUBTOTAL								3,428
CONTINGENCY (5%)								171
TOTAL CONTRACT COST								3,599
SUPERVISION, INSPECTION AND OVERHEAD (6%)								217
TOTAL REQUEST								3,816
TOTAL REQUEST (ROUNDED)								3,800
10. Description of Proposed Construction: Main hangar bay structural modifications include roof truss system and aircraft access door system. Other modifications include new fall protection system, monorail system for engine removal, fire suppression (overhead wet pipe and modified underwing AFFF), and floor refinishing/restripping. The hangar shops and offices require relocation/renovation. Various utility systems need to be upgraded. The ASE facility will have reinforced concrete foundation and floor slab with concrete access pavement. Steel-framed masonry walls with standing seam metal roof. All utilities, pavements, and site improvements. Demolish Building 8 at 765 SM that is in the way of hangar access addition. Air Conditioning: 88 KW								
11. REQUIREMENT: 5,435 SM ADEQUATE: 0 SM SUBSTANDARD: 1,858 SM <u>PROJECT:</u> C-130 Upgrade Aircraft Maintenance Hangar (New Mission). <u>REQUIREMENT:</u> This project supports the conversion from 15 F-16 to 8 C-130 aircraft. A facility that will fully enclose a C-130 aircraft is required. Properly sized and configured shops and offices to manage maintenance for C-130 aircraft are also required. An adequately sized and properly configured ASE facility is required for operational and training purposes to inspect, service, repair, and maintain assigned assets. This includes generators, mobile air conditioning equipment, and other miscellaneous pieces of powered and non-powered equipment used in the maintenance of C-130 aircraft. <u>CURRENT SITUATION:</u> The hangar bay will not enclose the tail section of a C-130 aircraft nor will the C-130 aircraft's wing span and tail height fit through the existing hangar door system. The overhead door system is over 30 years old, has no replacement parts available, and requires immediate replacement. The hangar shops and offices were designed for F-16 aircraft and must be modified for C-130 aircraft maintenance functions. These modifications include renovation expansion and alteration of various shops and offices. The ASE facility is located adjacent to the main hangar and prevents adequate clearance for C-130 aircraft being towed to the hangar. <u>IMPACT IF NOT PROVIDED:</u> Unable to park new mission aircraft inside the hangar to perform required maintenance. Shops and offices continue to be unnecessarily crowded and maintenance								

1. COMPONENT ANG	FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE 1 Feb 99
3. INSTALLATION AND LOCATION LUIS MUNOZ-MARIN INTERNATIONAL AIRPORT, PUERTO RICO		
5. PROJECT TITLE C-130 UPGRADE AIRCRAFT MAINTENANCE HANGAR	7. PROJECT NUMBER TUMR989005	
<p>functions continue to be carried out inefficiently. Continued safety and environmental deficiencies. Unit training continues to suffer from lack of adequate work and training space. Unable to reach full operational capability.</p> <p><u>ADDITIONAL</u>: A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, and new construction) was done. It indicates there is only one alternative that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.</p> <p>This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The ANG plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> <p>Hangar: 2,787 SM = 30,000 SF Maintenance Shops: 1,858 SM = 20,000 SF ASE Facility: 446 SM = 4,800 SF</p>		

1. COMPONENT ANG	FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE 1 Feb 99
3. INSTALLATION AND LOCATION LUIS MUNOZ-MARIN INTERNATIONAL AIRPORT, PUERTO RICO		
5. PROJECT TITLE C-130 UPGRADE AIRCRAFT MAINTENANCE HANGAR		7. PROJECT NUMBER TUMR989005
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		Mar 1998
(b) Parametric Cost Estimates used to develop costs		NO
* (c) Percent Complete as of Jan 1999		35%
* (d) Date 35% Designed		Nov 1998
(e) Date Design Complete		Sep 1999
(f) Energy Study/Life-Cycle analysis was/will be performed		YES
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Production of Plans and Specifications		255
(b) All Other Design Costs		76
(c) Total		331
(d) Contract		331
(e) In-House		
(4) Construction Start		May 2000
(5) Construction Completion		Jun 2001
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from other appropriations:		N/A
Point of Contact: Mr. John Loehle (301) 836-8076		

1. COMPONENT ANG	FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE 1 Feb 99	
3. INSTALLATION AND LOCATION LUIS MUNOZ-MARIN INTERNATIONAL AIRPORT, PUERTO RICO			4. PROJECT TITLE C-130 ADD TO AIRCRAFT PARKING APRON		
5. PROGRAM ELEMENT 54332F	6. CATEGORY CODE 113-321	7. PROJECT NUMBER TUMR989014	8. PROJECT COST(\$000) AUTH: \$2,250 APPROP: \$490		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
ADD TO AIRCRAFT PARKING APRON		SM	14,214	96	1,365
SUPPORTING FACILITIES					670
UTILITIES/SITE IMPROVEMENTS		LS			(45)
RAMP LIGHTING		EA	4	40,000	(160)
WETLANDS MITIGATION		LS			(400)
SITE IMPROVEMENTS (SURCHARGING)		LS			(65)
SUBTOTAL					2,035
CONTINGENCY (5%)					102
TOTAL CONTRACT COST					2,137
SUPERVISION, INSPECTION AND OVERHEAD (6%)					129
TOTAL REQUEST					2,266
TOTAL REQUEST (ROUNDED)					2,250
10. Description of Proposed Construction: Concrete pavement, grounding points, tie-down points, new striping, stabilized shoulders, and site work. Relocate ramp fire hydrant system. Install ramp lighting system. Mitigate the required wetland areas and surcharge as necessary.					
11. REQUIREMENT: 40,969 SM ADEQUATE: 26,755 SM SUBSTANDARD: 0 SM PROJECT: C-130 Add To Aircraft Parking Apron (New Mission). <u>REQUIREMENT:</u> The base requires an adequately sized, properly configured, and correctly lighted apron that will allow the parking of assigned new mission aircraft. This project supports the conversion from 15 F-16 to 8 C-130 aircraft. <u>CURRENT SITUATION:</u> The existing parking ramp is too small. Approximately half of the pavement was designed for F-16 aircraft is not adequate for the C-130 aircraft being based here. The expansion will provide the balance of the required parking spaces and peripheral taxiing lanes which provide specific clearance between parked aircraft and other fixed objects. The ramp can only be expanded towards an area that is predominantly "natural" wetlands. The process of naturally raising the elevation of wetland areas is a process called surcharging which deposits fill material and allows it to compact without mechanical means. The mitigation process for this project has been initiated by the base civil engineer with the responsible agencies (Army Corps of Engineers, Environmental Quality Board, and Puerto Rico Planning Board) and that cost is included as part of this project. <u>IMPACT IF NOT PROVIDED:</u> Unable to properly park, maintain, and operate the aircraft. Increased risk of foreign object damage or other type of accident due to improper safety clearance criteria. The unit is unable to properly train air crews and reach full operational capability. <u>ADDITIONAL:</u> A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, and new construction) was done. It indicates there is only one alternative that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The ANG plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. Apron: 14,214 SM = 17,000 SY					

1. COMPONENT ANG	FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE 1 Feb 99																										
3. INSTALLATION AND LOCATION LUIS MUNOZ-MARIN INTERNATIONAL AIRPORT, PUERTO RICO																												
5. PROJECT TITLE C-130 ADD TO AIRCRAFT PARKING APRON	7. PROJECT NUMBER TUMR989014																											
<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>Mar 1998</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>YES</td> </tr> <tr> <td>* (c) Percent Complete as of Jan 1999</td> <td>35%</td> </tr> <tr> <td>* (d) Date 35% Designed</td> <td>Nov 1998</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>Sep 1999</td> </tr> <tr> <td>(f) 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>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>155</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>45</td> </tr> <tr> <td>(c) Total</td> <td>200</td> </tr> <tr> <td>(d) Contract</td> <td>200</td> </tr> <tr> <td>(e) In-House</td> <td></td> </tr> </table> <p>(4) Construction Start</p> <p>May 2000</p> <p>(5) Construction Completion</p> <p>Dec 2000</p> <p>* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> <p>Point of Contact: Mr. John Loehle (301) 836-8076</p>			(a) Date Design Started	Mar 1998	(b) Parametric Cost Estimates used to develop costs	YES	* (c) Percent Complete as of Jan 1999	35%	* (d) Date 35% Designed	Nov 1998	(e) Date Design Complete	Sep 1999	(f) Energy Study/Life-Cycle analysis was/will be performed	NO	(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used -	N/A	(a) Production of Plans and Specifications	155	(b) All Other Design Costs	45	(c) Total	200	(d) Contract	200	(e) In-House	
(a) Date Design Started	Mar 1998																											
(b) Parametric Cost Estimates used to develop costs	YES																											
* (c) Percent Complete as of Jan 1999	35%																											
* (d) Date 35% Designed	Nov 1998																											
(e) Date Design Complete	Sep 1999																											
(f) Energy Study/Life-Cycle analysis was/will be performed	NO																											
(a) Standard or Definitive Design -	NO																											
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(d) Contract	200																											
(e) In-House																												

DEPARTMENT OF THE AIR FORCE
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 2000

APPROPRIATION: MILITARY CONSTRUCTION -- AIR NATIONAL GUARD

PROGRAM 313: PLANNING AND DESIGN \$4,951,000

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 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE 1 Feb 99	
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS		4. PROJECT TITLE PLANNING AND DESIGN			
5. PROGRAM ELEMENT 55296F	6. CATEGORY CODE 999-999	7. PROJECT NUMBER AAAA989801	8. PROJECT COST(\$000) \$4,951		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PLANNING AND DESIGN (P-313)		LS			4,951
SUBTOTAL					4,951
TOTAL CONTRACT COST					4,951
TOTAL REQUEST					4,951
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 2000 design funds are needed to complete the design for those projects that are to be included in the FY 2001 MILCON program and to begin the design for those projects to be included in the FY 2002 program. Funds also provide for preliminary work on some projects planned for FY 2003. <u>CURRENT SITUATION:</u> The ANG requires the design money in FY 2000 to ensure the design milestones for the FY 2001 and FY 2002 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 the 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.					

DEPARTMENT OF THE AIR FORCE
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 2000

APPROPRIATION: MILITARY CONSTRUCTION -- AIR NATIONAL GUARD

PROGRAM 341: UNSPECIFIED MINOR CONSTRUCTION \$2,000,000

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 \$500,000 but not exceeding \$1,500,000, 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 Operations and Maintenance Appropriation.

1. COMPONENT ANG	FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE 1 Feb 99	
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS		4. PROJECT TITLE UNSPECIFIED MINOR CONSTRUCTION			
5. PROGRAM ELEMENT 55296F	6. CATEGORY CODE 999-999	7. PROJECT NUMBER AAAA989802	8. PROJECT COST(\$000) \$2,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
UNSPECIFIED MINOR CONSTRUCTION (P-341)		LS			2,000
SUBTOTAL					2,000
TOTAL CONTRACT COST					2,000
TOTAL REQUEST					2,000
10. Description of Proposed Construction: Provides funding for unspecified minor construction projects not otherwise authorized by law and having a funded cost between \$500,000 and \$1,500,000. 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 \$500,000, but not exceeding \$1,500,000. The project requirements are anticipated to arise during late FY 1999 or FY 2000, 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 2000 MILCON program and the projects cannot wait for the FY 2001 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. <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 2000**

SECTION III

FUTURE YEARS DEFENSE PLAN (FYDP)
FISCAL YEAR LISTING

ANG MILCON FYDP

Comp	FY	Appn	Installation	State	Project Title	PE	Cat-Code	Cost (\$000)	Change from FY99 APB FYDP (\$000)	Remarks
ANG	2000	F	3830	Kulis	AK	Composite Support Complex	55296F	171-450	10,000	
ANG	2000	F	3830	Little Rock	AR	Vehicle/Base Engineer Maintenance Complex	55296F	214-425	8,699	Cost Increase
ANG	2000	F	3830	Moffett Field	CA	Replace Aircraft Maintenance Hangar	55296F	211-111	14,000	Scope Change
ANG	2000	F	3830	Savannah IAP	GA	Composite Support Complex	52619F	442-758	9,800	-800
ANG	2000	F	3830	Savannah IAP	GA	Regional Fire Training Facility	55256F	179-511	1,700	+50
ANG	2000	F	3830	Boise	ID	A-10 Expand Arm and Disarm Apron	52619F	116-661	1,600	+500
ANG	2000	F	3830	Luis Munoz-Marin	PR	C-130 Fuel Cell and Corrosion Control Facility	54332F	211-179	5,600	+500
ANG	2000	F	3830	Luis Munoz-Marin	PR	C-130 Upgrade Aircraft Maintenance Hangar	54332F	211-111	3,800	+950
ANG	2000	F	3830	Luis Munoz-Marin	PR	C-130 Add to Aircraft Parking Apron	54332F	113-321	2,250	+350
ANG	2000	F	3830	Volk Field	WI	Replace Troop Training Quarters	55296F	725-517	8,900	+900
ANG	2000	F	3830	Various	--	Planning and Design	55296F	--	4,951	
ANG	2000	F	3830	Various	--	Unspecified Minor Construction	55296F	--	2,000	
									73,300	
FY 2000 Total Funded Requirements										

ANG	2001	F	3830	Fort Smith	AR	Regional Fire Training Facility	55256F	179-511	1,700	+100
ANG	2001	F	3830	Robins AFB	GA	B-1 Munitions Maintenance and Training Complex	51628F	171-875	9,800	+200
ANG	2001	F	3830	Savannah IAP	GA	Operations and Training Complex	55296F	171-445	9,000	+9,000
ANG	2001	F	3830	Jackson	MS	C-17 Corrosion Control/Maintenance Hangar	54121F	211-159	12,300	+2,300
ANG	2001	F	3830	Springfield	OH	F-16 Add/Alter Squadron Ops/Flight Training Facility	52608F	141-753	1,770	+1,770
ANG	2001	F	3830	Kelly	TX	F-16 Add/Alter Squadron Ops/Flight Training Facility	52608F	141-753	3,400	+3,400
ANG	2001	F	3830	Salt Lake City	UT	Upgrade Aircraft Maintenance Complex	55296F	217-712	9,700	-100
ANG	2001	F	3830	Various	--	Planning and Design	55296F	--	4,355	Moved from FY 02
ANG	2001	F	3830	Various	--	Unspecified Minor Construction	55296F	--	4,600	
									56,625	
FY 2001 Total Authorization										

ANG MILCON FYDP

Comp	FY	Appn	Installation	State	Project Title	PE	Cat-Code	Cost (\$000)	Change from FY99 APB FYDP (\$000)	Remarks
ANG	2002	F	3830 Dannelly	AL	Replace Medical Training and Dining Facility	55296F	722-351	6,922		Moved from FY 00
ANG	2002	F	3830 Sioux City	IA	Replace Vehicle Maintenance Complex	55296F	214-425	3,600	+1,100	Scope Change
ANG	2002	F	3830 Boise	ID	A-10 Fuel Cell/Corrosion Control Facility	52619F	211-179	2,300		Moved from FY 00
ANG	2002	F	3830 Johnstown	PA	Air Traffic Control Training Facility	55296F	171-447	4,600	+4,600	New
ANG	2002	F	3830 Rosecrans	MO	Upgrade Aircraft Parking Apron- Phase II	55296F	113-321	9,000	+9,000	New
ANG	2002	F	3830 Jackson	MS	C-17 Flight Simulator Facility	54121F	171-212	3,600	+3,600	New
ANG	2002	F	3830 Great Falls	MT	Base Supply Warehouse	55296F	442-758	1,400	+1,400	New
ANG	2002	F	3830 Kirtland	NM	Composite Support Complex	55296F	131-111	9,500		Moved from FY 01
ANG	2002	F	3830 Various	--	Planning and Design	55296F	--	4,714		
ANG	2002	F	3830 Various	--	Unspecified Minor Construction	55296F	--	4,350		
FY 2002 Total Funded Requirements										

ANG	2002	U	3830 Birmingham	AL	Replace Base Engineer Maintenance Complex	55296F	219-944	4,200		Moved from FY 00
ANG	2002	U	3830 Fort Smith	AR	Operations and Training Facilities	55296F	171-445	6,500		Moved from FY 00
ANG	2002	U	3830 Robins	GA	B-1 Operations and Training Facility	51628F	171-445	6,100		Moved from FY 00
ANG	2002	U	3830 Hickam	HI	Aircraft Rinse Facility	55296F	116-672	1,200	+1,200	New
ANG	2002	U	3830 New Orleans	LA	Replace Vehicle/ASE Maintenance Complex	55296F	218-712	4,400	+400	
ANG	2002	U	3830 Barnes	MA	Replace Base Supply Complex	55296F	442-758	5,900		Moved from FY 00
ANG	2002	U	3830 W K Kellogg	MI	Replace Munitions Maintenance & Storage Complex	55296F	216-642	8,800	+8,800	New
ANG	2002	U	3830 Selfridge	MI	Replace Crash Fire Rescue Station	55296F	130-142	7,400	+2,000	Scope Change
ANG	2002	U	3830 Key Field	MS	Comm-Electronics Training Complex	55296F	171-447	6,400	+2,850	Scope Change
ANG	2002	U	3830 Atlantic City	NJ	Communications and Security Forces Complex	55296F	131-111	3,450		Moved from FY 03
ANG	2002	U	3830 Gabreski	NY	Replace Vehicle/ASE Maintenance Complex	55296F	214-425	4,250		Moved from FY 00
ANG	2002	U	3830 Hancock	NY	Comm-Elec Training/ASE Complex	53111F	171-447	8,900	+8,900	New
ANG	2002	U	3830 Salt Lake City	UT	Composite Ops and Training/Squad Ops Complex	55296F	171-445	10,400	+1,200	Moved from FY 00
ANG	2002	U	3830 Yeager	WV	Replace Base Engineer Maintenance Complex	55296F	219-944	3,500		
ANG	2002	U	3830 Various	--	Planning and Design	55296F	--	7,396		
FY 2002 Total Unfunded Requirements										

ANG MILCON FYDP

Date: 1 Feb 99

Comp	FY	Appn	Installation	State	Project Title	PE	Cat-Code	Cost (\$000)	Change from FY99 APB FYDP (\$000)	Remarks
ANG	2003	F	3830	Kulis	AK	Aircraft Corrosion Control Facility	55296F	211-159	11,000	Moved from FY 01
ANG	2003	F	3830	Orange	CT	Replace Air Control Squadron Complex	55296F	171-447	11,000	Moved from FY 01
ANG	2003	F	3830	Fort Wayne	IN	Replace Dining Hall/Medical Training Facility	55296F	722-351	6,095	+195
ANG	2003	F	3830	Mansfield	OH	Replace Squad Ops/Comm/Security Forces Complex	55296F	141-753	9,900	Moved from FY 01
ANG	2003	F	3830	McEntire	SC	Replace Control Tower & ASE Facility	55296F	149-962	7,700	Scope Change
ANG	2003	F	3830	Richmond	VA	Replace Vehicle Maintenance Complex	55296F	214-425	2,800	+300
ANG	2003	F	3830	Various	--	Planning and Design	55296F	--	4,959	Moved from FY 02
ANG	2003	F	3830	Various	--	Unspecified Minor Construction	55296F	--	4,400	
FY 2003 Total Funded Requirements										

ANG	2003	U	3830	Robins	GA	B-1 Supply and Equipment Warehouse	51628F	442-758	5,000	Moved from FY 01
ANG	2003	U	3830	Hunter	GA	Replace Vehicle Maintenance Facility	55296F	214-425	2,400	+250
ANG	2003	U	3830	Boise	ID	Add/Alter Base Supply Complex	54332F	442-758	3,000	+550
ANG	2003	U	3830	McConnell	KS	B-1 Aircraft Live Munitions Loading Ramp	55296F	113-321	6,900	+6,900
ANG	2003	U	3830	Minr-St Paul	MN	Composite Maintenance Complex	55296F	211-154	6,900	New
ANG	2003	U	3830	Jackson	MS	C-17 Upgrade Fuel Cell and Shops	54121F	211-179	5,100	+200
ANG	2003	U	3830	Jackson	MS	C-17 Upgrade Squad Ops/Hangar and Shops	54121F	141-753	12,100	+600
ANG	2003	U	3830	Camp Shelby	MS	C-17 Shortfield Runway	54121F	116-116	7,700	+5,000
ANG	2003	U	3830	McGuire	NJ	Medical Training Facility (w/AFRC)	55296F	171-450	2,900	+2,900
ANG	2003	U	3830	Schenectady	NY	Base Supply/Base Engineer Complex	55296F	442-758	7,400	+4,550
ANG	2003	U	3830	Tulsa	OK	Replace Composite Support Complex	55296F	171-445	10,800	+1,000
ANG	2003	U	3830	Camp Pendleton	VA	Replace Troop Training Quarters	55296F	725-517	2,500	+2,500
ANG	2003	U	3830	Fairchild	WA	Replace Composite Support Complex	55296F	219-944	9,800	-100
ANG	2003	U	3830	Various	--	Planning and Design	55296F	--	7,107	
FY 2003 Total Unfunded Requirements										

ANG MILCON FYDP

Date: 1 Feb 99

Comp	FY	Appn	Installation	State	Project Title	PE	Cat-Code	Cost (\$000)	Change from FY99 APB FYDP (\$000)	Remarks	
ANG	2004	F	3830	Fresno	CA	Replace Operations & Training/Dining Facility	55296F	171-445	10,000	+900	Moved from FY 03
ANG	2004	F	3830	Capital	IL	Composite Support Complex	55296F	722-351	9,000		Moved from FY 02
ANG	2004	F	3830	Grayling	MI	Replace Range Support Facilities	55296F	179-481	4,400	+4,400	New
ANG	2004	F	3830	Pease	NH	Upgrade Aircraft Parking Apron	55296F	113-321	9,600	+100	Moved from FY 02
ANG	2004	F	3830	Springfield	OH	Replace Operations & Training/Communications Complex	55296F	171-445	7,998	+7,998	New
ANG	2004	F	3830	Klamath Falls	OR	Composite Support Complex (w/ARNG)	55296F	171-447	9,000		Moved from FY 01
ANG	2004	F	3830	Various	--	Planning and Design	55296F	--	4,654		
ANG	2004	F	3830	Various	--	Unspecified Minor Construction	55296F	--	4,457		
FY 2004 Total Funded Requirements											

ANG	2004	U	3830	Robins	GA	B-1 Base Engineer Maintenance Complex	51628F	219-944	3,200		Moved from FY 02
ANG	2004	U	3830	Robins	GA	B-1 Vehicle Maintenance Complex	51628F	214-425	2,100		Moved from FY 02
ANG	2004	U	3830	Barnes	MA	Relocate Taxiway	55296F	112-211	3,200		Moved from FY 02
ANG	2004	U	3830	Pease	NH	Replace Medical Training Facility (VA Joint Use)	55296F	171-450	3,200	+3,200	New
ANG	2004	U	3830	Will Rogers	OK	Replace Composite Aircraft Maintenance Complex	55296F	211-111	19,500		Moved from FY 01
ANG	2004	U	3830	Portland	OR	Replace Joint Dining Facility (w/AFRES/ARNG)	55296F	722-351	8,200		Moved from FY 01
Scope Change											
ANG	2004	U	3830	Pittsburgh	PA	Add/Alter Squad Ops/Support Complex	55296F	214-425	9,400	+4,000	Moved from FY 03
ANG	2004	U	3830	Quonset	RI	Replace Aircraft Maintenance Hangar	55296F	211-111	16,500	+16,500	New
ANG	2004	U	3830	McGhee Tyson	TN	Aircraft Hydrant Refueling System	55296F	113-321	9,500	+9,500	New
ANG	2004	U	3830	Kelly	TX	Replace Vehicle/ASE Maintenance Complex	55296F	214-425	3,000	+300	Moved from FY 01
Scope Change											
ANG	2004	U	3830	Cheyenne	WY	Aerial Port/Air Traffic Control Complex	55296F	171-447	7,000	+1,900	Moved from FY 03
ANG	2004	U	3830	Various	--	Planning and Design	55296F	--	6,980		
FY 2004 Total Unfunded Requirements											

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Comp	FY	Appn	Installation	State	Project Title	PE	Cat-Code	Cost (\$000)	Change from FY99 APB FYDP (\$000)	Remarks	
ANG	2005	F	3830	Eielson	AK	Replace Communications/Security Forces Training Complex	55296F	131-111	7,300	+7,300	New
ANG	2005	F	3830	Kulis	AK	Replace Pararescue Training Complex	55296F	141-753	8,350	+150	Moved from FY 01
ANG	2005	F	3830	Buckley	CO	Replace Munitions Maintenance/Storage Complex	55296F	216-642	5,300		Moved from FY 00
ANG	2005	F	3830	Forbes	KS	Replace Squadron Operations Facility	55296F	141-753	8,700	+8,700	New
ANG	2005	F	3830	Great Falls	MT	Expand Arm and Disarm Apron	55296F	116-661	1,450	+1,450	New
ANG	2005	F	3830	Gabreski	NY	Replace Composite Support Complex	55296F	171-445	9,900	+9,900	New
ANG	2005	F	3830	Springfield	OH	Power Check Pad w/Suppressor	55296F	116-666	2,500	+2,500	New
ANG	2005	F	3830	Harrisburg	PA	Add to Apron/Construct Taxiway	55296F	113-321	2,300	-1,300	Moved from FY 02
ANG	2005	F	3830	Yeager	WV	Upgrade Aircraft Parking Apron and Taxiway	55296F	113-321	4,321	+321	Moved from FY 02
ANG	2005	F	3830	Various	--	Planning and Design	55296F	--	4,756		
ANG	2005	F	3830	Various	--	Unspecified Minor Construction	55296F	--	4,596		
ANG	2005	F	3830	Various	--	FY 2005 Total Funded Requirements			59,473		
ANG	2005	U	3830	March	CA	KC-135 Add/Alter General Purpose Shops	51411F	211-152	3,600		Moved from FY 00
ANG	2005	U	3830	New Castle	DE	Upgrade Aircraft Parking Apron and Taxiway	55296F	113-321	9,500		Moved from FY 03
ANG	2005	U	3830	Jacksonville	FL	F-15 Add/Alter Fuel Cell/Corrosion Control Facility	51217F	211-179	2,400		Moved from FY 00
ANG	2005	U	3830	Boise	ID	Replace Joint Medical Training Facility (w/ARNG)	55296F	171-450	2,250		Moved from FY 03
ANG	2005	U	3830	Forbes	KS	Replace Operations and Training Facility	55296F	141-753	8,900	+8,900	New
ANG	2005	U	3830	New Orleans	LA	Munitions Storage Igloo	55296F	422-264	1,350	+1,350	New
ANG	2005	U	3830	Alpena	MI	Replace Operations and Training Facility	55296F	171-445	4,500	+4,500	New
ANG	2005	U	3830	Jackson	MS	Expeditionary Forces Center	54121F	171-873	600	+600	New
ANG	2005	U	3830	Jackson	MS	C-17 Upgrade Aeromedical Evacuation Facility	55296F	171-447	4,300	+300	Moved from FY 00
ANG	2005	U	3830	Stanly County	NC	Relocate Comm/Electronics Training Facility	55296F	219-944	4,000		Moved from FY 00
ANG	2005	U	3830	McGuire	NJ	Replace Base Engineer Maintenance Complex	55296F	211-111	8,400	+8,400	New
ANG	2005	U	3830	Toledo	OH	Upgrade Aircraft Maintenance Hangar	55296F	442-758	5,800	+500	Moved from FY 03
ANG	2005	U	3830	Will Rogers	OK	Replace Base Supply Complex	55296F	211-111	10,400	+10,400	New
ANG	2005	U	3830	Nashville	TN	Replace Aircraft Maintenance Complex - Phase I	55296F	211-157	8,600	+200	Moved from FY 03
ANG	2005	U	3830	Burlington	VT	Replace Aircraft Maintenance Complex	55296F	--	7,963		
ANG	2005	U	3830	Various	--	Planning and Design					
ANG	2005	U	3830	Various	--	FY 2005 Total Unfunded Requirements			91,563		

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Comp	FY	Appn	Installation	State	Project Title	PE	Cat-Code	Cost (\$000)	Change from FY99 APB FYDP (\$000)	Remarks
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Projects no longer in the FYDP:

Kulis				AK	Vehicle Maintenance/Fire Station Complex			10,400		Appropriated in FY 99
Dannelly				AL	Operations and Training Facility			3,650		Deferred
Hall				AL	Relocate 280th Combat Comm Communications Squadron			9,900		Deferred
Fort Smith				AR	Airfield Improvements			5,500		Deferred
Little Rock				AR	Fuel Systems Maintenance and Corrosion Control Facility			5,600		Deferred
Tucson				AZ	Composite Support Complex			7,500		Appropriated in FY 99
Moffett				CA	Aircraft Engine and Propeller Shops			1,900		Deferred
Sepulveda				CA	Communications and Electronics Training Facility			4,200		Deferred
Buckley				CO	Replace Control Tower			4,900		Deferred
Patrick				FL	Add/Alter Comm and Electronics Training Complex			4,500		Deferred
Robins				GA	B-1 Area Site Improvements			1,000		Deferred
Savannah CRTC				GA	Replace Troop Training Quarters			6,200		Deferred
Andersen				GU	Operations and Training Facility			3,000		Deferred
Hickam				HI	Base Civil Engineer Maintenance Complex			4,500		Appropriated in FY 99
Des Moines				IA	Security Police Operations			3,900		Appropriated in FY 99
Des Moines				IA	Vehicle Maintenance Complex			3,300		Deferred
Sioux City				IA	Add/Alter Aircraft Corrosion Control Facility			5,700		Appropriated in FY 99
Hulman				IN	Fuel Cell/Corrosion Control and Fire Station			6,000		Appropriated in FY 99
Hulman				IN	Weapons Release Systems Shop			2,250		Deferred
Forbes				KS	Upgrade Maintenance Hangar			10,000		Appropriated in FY 99
McConnell				KS	Avionics Shop			3,000		Appropriated in FY 99
Standford				KY	Composite Aerial Port/ALCE Training Facility			4,100		Appropriated in FY 99
Alpena				MI	Replace Fire Station			5,100		Appropriated in FY 99
Selfridge				MI	Upgrade Base Infrastructure Systems			9,800		Appropriated in FY 99
W K Kellogg				MI	Composite Headquarters			550		Deferred
Duluth				MN	Base Supply Complex			6,100		Deferred
Guifort				MS	Replace Troop Training Quarters/Composite Support Facility			9,900		Appropriated in FY 99
Rosecrans				MO	Upgrade Aircraft Parking Apron			9,600		Appropriated in FY 99
Charlotte				NC	Add to and Alter Base Supply Complex			3,000		Deferred
Hector				ND	Add/Alter Base Supply Complex			3,350		Appropriated in FY 99
Lincloh				NE	Joint Medical Training Facility			1,775		Appropriated in FY 99
McGuire				NJ	Aircraft Maintenance Hangar/Shops			14,000		Deferred
Reno				NV	Replace Fire Station			2,500		Deferred
Reno				NV	Vehicle Maintenance/Act Support Equipment Complex			4,600		Deferred
Reno				NV	Base Supply and Equipment Warehouse			5,900		Deferred
Hancock				NY	Upgrade Aircraft Apron and Infrastructure			9,100		Appropriated in FY 99
Mansfield				OH	Vehicle Maintenance Complex			2,650		Deferred
Springfield				OH	Base Engineer/Security Forces Complex			5,000		Appropriated in FY 99
Toledo				OH	Base Supply and Security Police Complex			6,300		Deferred
Fort Indianatown				PA	Composite Support Facility			8,600		Deferred
Willow Grove				PA	Replace Composite Support Facility			9,100		Deferred

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Comp	FY	Appn	Installation	State	Project Title	PE	Cat-Code	Cost (\$000)	Change from FY99 APB FYDP (\$000)	Remarks
			Munoz-Marin	PR	Vehicle Maintenance Complex			1,950		Deferred
			Quonset	RI	Avionics, Engine and NDI Shops			4,700		Deferred
			McEntire	SC	Add/Alter Aircraft Maintenance Complex			8,900		Appropriated in FY 99
			McEntire	SC	Upgrade Munitions Complex			3,500		Deferred
			Joe Foss	SD	Communications and Electronics Training Complex			10,000		Deferred
			McGhee Tyson	TN	Relocate Aircraft Parking Apron			11,200		Appropriated in FY 99
			Ellington	TX	Relocate Base Civil Engineer Complex			3,200		Deferred
			Ellington	TX	Base Supply Complex			5,100		Deferred
			Kelly	TX	Upgrade Composite Support Complex			7,100		Deferred
			Richmond	VA	Base Supply Complex			5,400		Deferred
			Burlington	VT	Base Supply Complex			5,500		Appropriated in FY 99
			Bellingham	WA	Relocate 262nd Combat Communications Squadron			9,900		Deferred
			Fairchild	WA	Logistics Support Complex			7,800		Deferred
			EWRA	WV	Add/Alter Avionics Shop			650		Deferred

**DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2000**

SECTION III

FUTURE YEARS DEFENSE PLAN (FYDP)

STATE/INSTALLATION LISTING

ANG MILCON FYDP

Date: 1 Feb 99

Comp	FY	Appn	Installation	State	Project Title	PE	Cat-Code	Cost (\$000)	Change from FY99 APB FYDP (\$000)	Remarks	
ANG	2005	F	3830	Eielson	AK	Replace Communications/Security Forces Training Complex	55296F	131-111	7,300	+7,300	New
ANG	2003	F	3830	Kulis	AK	Aircraft Corrosion Control Facility	55296F	211-159	11,000		Moved from FY 01
ANG	2005	F	3830	Kulis	AK	Replace Pararescue Training Complex	55296F	141-753	8,350	+150	Moved from FY 01
ANG	2000	F	3830	Kulis	AK	Composite Support Complex	55296F	171-450	10,000		
ANG	2002	U	3830	Birmingham	AL	Replace Base Engineer Maintenance Complex	55296F	219-944	4,200		Moved from FY 00
ANG	2002	F	3830	Dannelly	AL	Replace Medical Training and Dining Facility	55296F	722-351	6,922		Moved from FY 00
ANG	2001	F	3830	Fort Smith	AR	Regional Fire Training Facility	55256F	179-511	1,700	+100	
ANG	2002	U	3830	Fort Smith	AR	Operations and Training Facilities	55296F	171-445	6,500		Moved from FY 00
ANG	2000	F	3830	Little Rock	AR	Vehicle/Base Engineer Maintenance Complex	55296F	214-425	8,699	+4,699	Scope Change
ANG	2004	F	3830	Fresno	CA	Replace Operations & Training/Dining Facility	55296F	171-445	10,000	+900	Moved from FY 03
ANG	2005	U	3830	March	CA	KC-135 Add/Alter General Purpose Shops	51411F	211-152	3,600		Moved from FY 00
ANG	2000	F	3830	Moffett Field	CA	Replace Aircraft Maintenance Hangar	55296F	211-111	14,000		
ANG	2005	F	3830	Buckley	CO	Replace Munitions Maintenance/Storage Complex	55296F	216-642	5,300		Moved from FY 00
ANG	2003	F	3830	Orange	CT	Replace Air Control Squadron Complex	55296F	171-447	11,000		Moved from FY 01
ANG	2005	U	3830	New Castle	DE	Upgrade Aircraft Parking Apron and Taxiway	55296F	113-321	9,500		Moved from FY 03
ANG	2005	U	3830	Jacksonville	FL	F-15 Add/Alter Fuel Cell/Corrosion Control Facility	51217F	211-179	2,400		Moved from FY 00
ANG	2003	U	3830	Hunter	GA	Replace Vehicle Maintenance Facility	55296F	214-425	2,400	+250	Moved from FY 01
ANG	2002	U	3830	Robins	GA	B-1 Operations and Training Facility	51628F	171-445	6,100		Moved from FY 00
ANG	2004	U	3830	Robins	GA	B-1 Base Engineer Maintenance Complex	51628F	219-944	3,200		Moved from FY 02
ANG	2004	U	3830	Robins	GA	B-1 Vehicle Maintenance Complex	51628F	214-425	2,100		Moved from FY 02
ANG	2003	U	3830	Robins	GA	B-1 Supply and Equipment Warehouse	51628F	442-758	5,000		Moved from FY 01
ANG	2001	F	3830	Robins AFB	GA	B-1 Munitions Maintenance and Training Complex	51628F	171-875	9,800	+200	Moved from FY 00
ANG	2000	F	3830	Savannah IAP	GA	Composite Support Complex	52619F	442-758	9,800	-800	
ANG	2000	F	3830	Savannah IAP	GA	Regional Fire Training Facility	55256F	179-511	1,700	+50	
ANG	2001	F	3830	Savannah IAP	GA	Operations and Training Complex	55296F	171-445	9,000	+9,000	New

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Comp	FY	Appn	Installation	State	Project Title	PE	Cat-Code	Cost (\$000)	Change from FY99 APB FYDP (\$000)	Remarks
ANG	2002	U	3830	Hickam	HI	Aircraft Rinse Facility	55296F 116-672	1,200	+1,200	New
ANG	2002	F	3830	Sioux City	IA	Replace Vehicle Maintenance Complex	55296F 214-425	3,600	+1,100	Scope Change Moved from FY 00
ANG	2000	F	3830	Boise	ID	A-10 Expand Arm and Disarm Apron	52619F 116-661	1,600	+500	
ANG	2002	F	3830	Boise	ID	A-10 Fuel Cell/Corrosion Control Facility	52619F 211-179	2,300		Moved from FY 00
ANG	2003	U	3830	Boise	ID	Add/Alter Base Supply Complex	54332F 442-758	3,000	+550	Moved from FY 02
ANG	2005	U	3830	Boise	ID	Replace Joint Medical Training Facility (w/ARNG)	55296F 171-450	2,250		Moved from FY 03
ANG	2004	F	3830	Capital	IL	Composite Support Complex	55296F 722-351	9,000		Moved from FY 02
ANG	2003	F	3830	Fort Wayne	IN	Replace Dining Hall/Medical Training Facility	55296F 722-351	6,095	+195	Moved from FY 01
ANG	2005	F	3830	Forbes	KS	Replace Squadron Operations Facility	55296F 141-753	8,700	+8,700	New
ANG	2005	U	3830	Forbes	KS	Replace Operations and Training Facility	55296F 141-753	8,900	+8,900	New
ANG	2003	U	3830	McConnell	KS	B -1 Aircraft Live Munitions Loading Ramp	55296F 113-321	6,900	+6,900	New
ANG	2002	U	3830	New Orleans	LA	Replace Vehicle/ASE Maintenance Complex	55296F 218-712	4,400	+400	
ANG	2005	U	3830	New Orleans	LA	Munitions Storage Igloo	55296F 422-264	1,350	+1,350	New
ANG	2002	U	3830	Barnes	MA	Replace Base Supply Complex	55296F 442-758	5,900		Moved from FY 00
ANG	2004	U	3830	Barnes	MA	Relocate Taxiway	55296F 112-211	3,200		Moved from FY 02
ANG	2005	U	3830	Alpena	MI	Replace Operations and Training Facility	55296F 171-445	4,500	+4,500	New
ANG	2004	F	3830	Grayling	MI	Replace Range Support Facilities	55296F 179-481	4,400	+4,400	New
ANG	2002	U	3830	Selfridge	MI	Replace Crash Fire Rescue Station	55296F 130-142	7,400	+2,000	Scope Change Moved from FY 00
ANG	2002	U	3830	WK Kellogg	MI	Replace Munitions Maintenance & Storage Complex	55296F 216-642	8,800	+8,800	New
ANG	2003	U	3830	Minn-St Paul	MN	Composite Maintenance Complex	55296F 211-154	6,900	+800	
ANG	2002	F	3830	Rosecrans	MO	Upgrade Aircraft Parking Apron- Phase II	55296F 113-321	9,000	+9,000	New

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Comp	FY	Appn	Installation	State	Project Title	PE	Cat-Code	Cost (\$000)	Change from FY99 APB FYDP (\$000)	Remarks
ANG	2003	U	3830	MS	C-17 Shortfield Runway	54121F	116-116	7,700	+5,000	Scope Change
ANG	2001	F	3830	MS	C-17 Corrosion Control/Maintenance Hangar	54121F	211-159	12,300	+2,300	Cost Increase
ANG	2002	F	3830	MS	C-17 Flight Simulator Facility	54121F	171-212	3,600	+3,600	New
ANG	2003	U	3830	MS	C-17 Upgrade Fuel Cell and Shops	54121F	211-179	5,100	+200	
ANG	2003	U	3830	MS	C-17 Upgrade Squad Ops/Hangar and Shops	54121F	141-753	12,100	+600	Title Change Moved from FY 02
ANG	2005	U	3830	MS	Expeditionary Forces Center	55296F	171-450	9,000	+9,000	New
ANG	2005	U	3830	MS	C-17 Upgrade Aeromedical Evacuation Facility	54121F	171-873	600	+600	New
ANG	2002	U	3830	MS	Comm-Electronics Training Complex	55296F	171-447	6,400	+2,850	Scope Change Moved from FY 03
ANG	2002	F	3830	MT	Base Supply Warehouse	55296F	442-758	1,400	+1,400	New
ANG	2005	F	3830	MT	Expand Arm and Disarm Apron	55296F	116-661	1,450	+1450	New
ANG	2005	U	3830	NC	Relocate Comm/Electronics Training Facility	55296F	171-447	4,300	+300	Moved from FY 00
ANG	2004	F	3830	NH	Upgrade Aircraft Parking Apron	55296F	113-321	9,600	+100	Moved from FY 02
ANG	2004	U	3830	NH	Replace Medical Training Facility (VA Joint Use)	55296F	171-450	3,200	+3,200	New
ANG	2002	U	3830	NJ	Communications and Security Forces Complex	55296F	131-111	3,450		Moved from FY 00
ANG	2003	U	3830	NJ	Medical Training Facility (w/AFRC)	55296F	171-450	2,900	+2,900	New
ANG	2005	U	3830	NJ	Replace Base Engineer Maintenance Complex	55296F	219-944	4,000		Moved from FY 00
ANG	2002	F	3830	NM	Composite Support Complex	55296F	131-111	9,500		Moved from FY 01
ANG	2002	U	3830	NY	Replace Vehicle/ASE Maintenance Complex	55296F	214-425	4,250		Moved from FY 01
ANG	2005	F	3830	NY	Replace Composite Support Complex	55296F	171-445	9,900	+9,900	New
ANG	2002	U	3830	NY	Comm-Elec Training/ASE Complex	53111F	171-447	8,900	+8,900	New
ANG	2003	U	3830	NY	Base Supply/Base Engineer Complex	55296F	442-758	7,400	+4,550	Scope Change Moved from FY 01
ANG	2003	F	3830	OH	Replace Squad Ops/Comm/Security Forces Complex	55296F	141-753	9,900		Moved from FY 01
ANG	2001	F	3830	OH	F-16 Add/Alter Squadron Ops/Flight Training Facility	52608F	141-753	1,770	+1,770	New
ANG	2004	F	3830	OH	Replace Operations & Training/Communications Complex	55296F	171-445	7,998	+7,998	New
ANG	2005	F	3830	OH	Power Check Pad w/Suppressor	55296F	116-665	2,500	+2,500	New
ANG	2005	U	3830	OH	Upgrade Aircraft Maintenance Hangar	55296F	211-111	8,400	+8,400	New

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Comp	FY	Appn	Installation	State	Project Title	PE	Cat-Code	Cost (\$000)	Change from FY99 APB FYDP (\$000)	Remarks
ANG	2003	U	3830	Tulsa	OK	Replace Composite Support Complex	55296F 171-445	10,800	+1,000	Scope Change Moved from FY 01
ANG	2004	U	3830	Will Rogers	OK	Replace Composite Aircraft Maintenance Complex	55296F 211-111	19,500		Moved from FY 01
ANG	2005	U	3830	Will Rogers	OK	Replace Base Supply Complex	55296F 442-758	5,800	+500	Moved from FY 03
ANG	2004	F	3830	Klamath Falls	OR	Composite Support Complex (w/ARNG)	55296F 171-447	9,000		Moved from FY 01
ANG	2004	U	3830	Portland	OR	Replace Joint Dining Facility (w/AFRES/ARNG)	55296F 722-351	8,200		Moved from FY 01
ANG	2005	F	3830	Harrisburg	PA	Add to Apron/Construct Taxiway	55296F 113-321	2,300	-1,300	Scope Change Moved from FY 02
ANG	2002	F	3830	Johnstown	PA	Air Traffic Control Training Facility	55296F 171-447	4,600	+4,600	New
ANG	2004	U	3830	Pittsburgh	PA	Add/Alter Squad Ops/Support Complex	55296F 214-425	9,400	+4,000	Scope Change Moved from FY 03
ANG	2000	F	3830	Luis Munoz-Marin	PR	C-130 Fuel Cell and Corrosion Control Facility	54332F 211-179	5,600	+500	
ANG	2000	F	3830	Luis Munoz-Marin	PR	C-130 Upgrade Aircraft Maintenance Hangar	54332F 211-111	3,800	+950	Scope Change
ANG	2000	F	3830	Luis Munoz-Marin	PR	C-130 Add to Aircraft Parking Apron	54332F 113-321	2,250	+350	
ANG	2004	U	3830	Quonset	RI	Replace Aircraft Maintenance Hangar	55296F 211-111	16,500	+16,500	New
ANG	2003	F	3830	McEntire	SC	Replace Control Tower & ASE Facility	55296F 149-962	7,700	+3,150	Scope Change
ANG	2004	U	3830	McGhee Tyson	TN	Aircraft Hydrant Refueling System	55296F 113-321	9,500	+9,500	New
ANG	2005	U	3830	Nashville	TN	Replace Aircraft Maintenance Complex - Phase I	55296F 211-111	10,400	+10,400	New
ANG	2004	U	3830	Kelly	TX	Replace Vehicle/ASE Maintenance Complex	55296F 214-425	3,000	+300	Moved from FY 01
ANG	2001	F	3830	Kelly	TX	F-16 Add/Alter Squadron Ops/Flight Training Facility	52608F 141-753	3,400	+3,400	New
ANG	2001	F	3830	Salt Lake City	UT	Upgrade Aircraft Maintenance Complex	55296F 217-712	9,700	-100	Moved from FY 02
ANG	2002	U	3830	Salt Lake City	UT	Composite Ops and Training/Squad Ops Complex	55296F 171-445	10,400	+1,200	Moved from FY 00
ANG	2003	U	3830	Camp Pendleton	VA	Replace Troop Training Quarters	55296F 725-517	2,500	+2,500	New
ANG	2003	F	3830	Richmond	VA	Replace Vehicle Maintenance Complex	55296F 214-425	2,800	+300	Moved from FY 02
ANG	2005	U	3830	Burlington	VT	Replace Aircraft Maintenance Complex	55296F 211-157	8,600	+200	Moved from FY 03
ANG	2003	U	3830	Fairchild	WA	Replace Composite Support Complex	55296F 219-944	9,800	-100	
ANG	2000	F	3830	Volk Field	WI	Replace Troop Training Quarters	55296F 725-517	8,900	+900	
ANG	2002	U	3830	Yeager	WV	Replace Base Engineer Maintenance Complex	55296F 219-944	3,500		
ANG	2005	F	3830	Yeager	WV	Upgrade Aircraft Parking Apron and Taxiway	55296F 113-321	4,321	+321	Moved from FY 02

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Comp	FY	Appn	Installation	State	Project Title	PE	Cat-Code	Cost (\$000)	Change from FY99 APB FYDP (\$000)	Remarks	
ANG	2004	U	3830	Cheyenne	WY	Aerial Port/Air Traffic Control Complex	55296F	171-447	7,000	+1,900	Scope Change Moved from FY 03