

FY1998 / FY1999
BIENNIAL BUDGET ESTIMATES
AIR NATIONAL GUARD



FY 1999
MILITARY CONSTRUCTION
PROGRAM

Justification Data Submitted to Congress
February 1997

**DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 1999**

TABLE OF CONTENTS

SUMMARY PROJECT LIST	i
NEW MISSION/CURRENT MISSION EXHIBIT	I
SECTION I - BUDGET APPENDIX EXTRACT	
Appropriations Language	a-i
Special Program Considerations	a-ii - a-iii
Program and Financing Schedule	a-iv - a-vi
Object Classification (in thousands of dollars)	a-vi
SECTION II - INSTALLATION AND PROJECT JUSTIFICATION DATA	b-1 - b-24
DD Forms 1390 and 1391	
SECTION III - FUTURE YEAR DEFENSE PLAN (FYDP)	c-1 - c-5

**SUMMARY PROJECT LIST
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM -- FY 1999**

<u>STATE/ COUNTRY</u>	<u>INSTALLATION AND PROJECT</u>	<u>AUTH/APPROP AMOUNT (000)</u>	<u>DD FORM 1391 PAGE NO.</u>
Michigan	Alpena County Regional Airport Sanitary Sewer Lines	3,600	b-3
	Selfridge Air National Guard Base Replace Control Tower and RAPCON Center	<u>4,800</u>	b-8
	Sub-Total Michigan	8,400	
North Dakota	Hector Field Regional Fire Training Facility	<u>600</u>	b-13
	Sub-Total North Dakota	600	
Wisconsin	Volk Field Air National Guard Base Upgrade Runway and Taxiway	<u>9,000</u>	b-18
	Sub-Total Wisconsin	9,000	
SUB-TOTAL INSIDE THE UNITED STATES		18,000	
SUB-TOTAL -- ALL BASES		<u>18,000</u>	
PLANNING AND DESIGN		9,649	b-21
UNSPECIFIED MINOR CONSTRUCTION		4,262	b-23
SUB-TOTAL -- SUPPORT COSTS		<u>13,911</u>	
GRAND TOTAL		<u>31,911</u>	

**SUMMARY PROJECT LIST
AIR NATIONAL GUARD
NEW MISSION VERSUS CURRENT MISSION -- FY 99**

LOCATION	PROJECT	COST (000)	CURRENT/ NEW/ENV
Alpena County Apt, MI	Sanitary Sewer Lines	3,600	ENV
Selfridge ANGB, MI	Replace Control Tower and RAPCON Center	4,800	C
Hector Field, ND	Regional Fire Training Facility	600	ENV
Volk Field ANGB, WI	Upgrade Runway and Taxiway	<u>9,000</u>	C
	PLANNING AND DESIGN	9,649	
	UNSPECIFIED MINOR CONSTRUCTION	<u>4,262</u>	
	TOTAL NEW MISSION	0	
	TOTAL CURRENT MISSION	13,800	
	TOTAL ENVIRONMENTAL	<u>4,200</u>	
	GRAND TOTAL - FY 1999 REQUEST	31,911	

**DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 1999**

SECTION I

APPROPRIATIONS LANGUAGE

For construction, acquisition, expansion, rehabilitation, and conversion of facilities for the training and administration of the Air National Guard, and contribution there for, as authorized by Chapter 133 of Title 10, United States Code, and military construction authorization Acts, \$31,911,000 (\$60,225,000) to remain available until September 30, 2002 (September 30, 2001)

() Individual FY 97 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 or will be 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."

Mil. Con., Air National Guard
Program and Financing (in Thousands of dollars)

Identification code	57-3830-0-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programmed)			
		1996 actual	1997 est.	1998 est.	1999 est.
Program by activities:					
Direct program:					
00.0101	Major construction	160,367	173,719	48,965	18,000
00.0201	Minor construction	4,455	4,100	4,231	4,262
00.0301	Planning	6,450	12,036	7,029	9,649
10.0001	Total	171,272	189,855	60,225	31,911
Financing:					
Unobligated balance available, start of year:					
21.4002	For completion of prior year budget plans				
21.4003	Available to finance new budget plans	-6,700			
21.4009	Reprogramming from/to prior year budget plans	-38			
Unobligated balance available, end of year:					
24.4002	For completion of prior year budget plans				
25.0001	Unobligated balance expiring	38			
40.0001	Budget authority (Appropriation)	164,572	189,855	60,225	31,911
Relation of obligations to outlays:					
71.0001	Obligations incurred				
72.4001	Obligated balance, start of year				
74.4001	Obligated balance, end of year				
77.0001	Adjustments in expired accounts (net)				
90.0001	Outlays (net)				

Mil. Con., Air National Guard
Program and Financing (in Thousands of dollars)

Identification code		Obligations			
		1996 actual	1997 est.	1998 est.	1999 est.
57-3830-0-1-051					

Program by activities:					
Direct program:					
00.0101	Major construction	202,501	128,579	102,030	69,748
00.0201	Minor construction	5,118	5,370	4,461	4,172
00.0301	Planning	15,187	17,257	11,079	10,761
10.0001 Total		222,806	151,206	117,570	84,681

Financing:					
Unobligated balance available, start of year:					
21.4002	For completion of prior year budget plans	-210,520	-158,949	-197,598	-140,253
21.4003	Available to finance new budget plans	-6,700			
21.4009	Reprogramming from/to prior year budget plans				
Unobligated balance available, end of year:					
24.4002	For completion of prior year budget plans	158,949	197,598	140,253	87,483
25.0001	Unobligated balance expiring	38			
40.0001 Budget authority (Appropriation)		164,572	189,855	60,225	31,911

Relation of obligations to outlays:					
71.0001	Obligations incurred	222,806	151,206	117,570	84,681
72.4001	Obligated balance, start of year	264,824	209,190	145,940	68,359
74.4001	Obligated balance, end of year	-209,190	-145,940	-68,359	-46,293
77.0001	Adjustments in expired accounts (net)	-93			
90.0001 Outlays (net)		278,347	214,456	195,151	106,747

Mil. Con., Air National Guard
Program and Financing (in Thousands of dollars)

Identification code	57-3830-0-1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)			
		1996 actual	1997 est.	1998 est.	1999 est.
Program by activities:					
Direct program:					
00.0101	Major construction	160,367	173,719	48,965	18,000
00.0201	Minor construction	4,455	4,100	4,231	4,262
00.0301	Planning	6,450	12,036	7,029	9,649
10.0001	Total	171,272	189,855	60,225	31,911
Financing:					
Unobligated balance available, start of year:					
21.4002	For completion of prior year budget plans				
21.4003	Available to finance new budget plans				
21.4009	Reprogramming from/to prior year budget plans	-6,700			
	Unobligated balance available, end of year:				
24.4002	For completion of prior year budget plans	-38			
25.0001	Unobligated balance expiring				
		38			
40.0001	Budget authority (Appropriation)	164,572	189,855	60,225	31,911
Relation of obligations to outlays:					
71.0001	Obligations incurred				
72.4001	Obligated balance, start of year				
74.4001	Obligated balance, end of year				
77.0001	Adjustments in expired accounts (net)				
90.0001	Outlays (net)				

**DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 1999**

SECTION II

INSTALLATIONS AND PROJECT JUSTIFICATION DATA

1. COMPONENT ANG	FY 1999 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE FEB 7 1997
3. INSTALLATION AND LOCATION ALPENA COUNTY REGIONAL AIRPORT, MICHIGAN				4. AREA CONSTR COST INDEX 1.10
5. FREQUENCY AND TYPE OF UTILIZATION Daily use by full time personnel, used by up to 40 visiting military units per year for periods ranging from 2 days to 4 weeks.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Army National Guard Armory				
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START Cmpl
832-266	SANITARY SEWER LINES	19,800 LM	3,600	APR 96 NOV 97
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved				21 AUG 96 (Date)
9. LAND ACQUISITION REQUIRED		None		(Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	
171-445	OPERATIONS AND TRAINING COMPLEX	22,000 SF	3,500	
179-481	AIR-TO-GROUND RANGE SUPPORT FACILITIES	LS	2,300	
BMAR: \$7,396,236.00				

1. COMPONENT ANG	FY 1999 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE FEB 7 1997			
3. INSTALLATION AND LOCATION ALPENA COUNTY REGIONAL AIRPORT, MICHIGAN							
11. PERSONNEL STRENGTH AS OF 19 JUL 96							
	<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	154	8	77	69	26	2	24
ACTUAL	136	8	74	54	19	1	18
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>					
		<u>AUTHORIZED</u>	<u>ACTUAL</u>				
	CRTC CRTC	26	19				
	TOTALS	26	19				
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>				
	Support Equipment	122	122				
	Vehicle Equivalents	512	512				

1. COMPONENT ANG		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE FEB 7 1991			
3. INSTALLATION AND LOCATION ALPENA COUNTY REGIONAL AIRPORT, MICHIGAN				4. PROJECT TITLE SANITARY SEWER LINES				
5. PROGRAM ELEMENT 55256F		6. CATEGORY CODE 832-266	7. PROJECT NUMBER TDVG909671		8. PROJECT COST(\$000) \$3,600			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
SANITARY SEWER LINES					LM	19,800		2,141
NEW SANITARY SEWER MAIN OFF-BASE					LM	12,200	135	(1,647)
UPGRADE ON-BASE SEWER LINES					LM	7,600	65	(494)
SUPPORTING FACILITIES								1,125
MANHOLES					EA	50	2,500	(125)
LIFT STATIONS					EA	10	60,000	(600)
SITE RESTORATION					LS			(250)
PAVEMENT RESTORATION					LS			(150)
SUBTOTAL								3,266
CONTINGENCY (5%)								163
TOTAL CONTRACT COST								3,429
SUPERVISION, INSPECTION AND OVERHEAD (5%)								171
TOTAL REQUEST								3,600
TOTAL REQUEST (ROUNDED)								3,600
10. Description of Proposed Construction: Sanitary sewer force main and gravity main with all required appurtenances. Excavation and restoration associated with the construction of the sewer line. Upgrade on-base sewer lines and manholes. Restore cut pavements.								
11. REQUIREMENT: 19,800 LM ADEQUATE: 0 SUBSTANDARD: 7,600 LM PROJECT: Sanitary Sewer Lines (Current Mission). REQUIREMENT: This is a Level I environmental compliance project as mandated by the Clean Water Act and required by 40 CFR 125, Criteria and Standards for National Pollution Discharge Elimination System (NPDES), and the State Water Resources Commission Act 245, PL 1929, Section 323.1 to 323.13 and Act 98, PL 1913, Section 325.2071 to 325.214. The base requires an economical and environmentally safe method of treating their domestic wastewater in order to meet EPA requirements. The only method that will meet all of these requirements is to transport the wastewater to an off-base, publicly owned treatment facility. This project will connect the on-base sanitary sewer system to the county-owned sewage treatment plant. It will also upgrade and relocate the on-base sewer lines to ensure adequate flow. Alpena is an ANG-operated Combat Readiness Training Center (CRTC) used by the total force for air-to-ground, air-to-air, and support forces training. CURRENT SITUATION: The base collects and treats sewage by operating its own plant, which is nearly 25 years old. The plant is an antiquated, self-contained package type with a design flow of 265 liters per minute. As a result of a previous MILCON project to reconfigure the dormitories' central latrines, an additional 480 fixtures have been connected to this system. An estimated 10% of these fixtures in use at one time would place a hydraulic loading on the plant of almost twice the design flow. The								

1. COMPONENT ANG	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE FEB 7 1997
3. INSTALLATION AND LOCATION ALPENA COUNTY REGIONAL AIRPORT, MICHIGAN		
4. PROJECT TITLE SANITARY SEWER LINES	5. PROJECT NUMBER TDVG909671	
<p>base now violates the NPDES discharge limits for acidity and removal of solids. The State is scheduled to perform a complete review of the Thunder Bay watershed in 1997 which is certain to result in increased NPDES requirements. Such increased discharge limits would require major alterations and additions to the plant. Furthermore, these increased limits would require additional monitoring and testing equipment. This plant has reached the end of its design life, is very close to being hydraulically overloaded, and is in dire need of much deferred maintenance estimated to cost \$900,000. A temporary permit has been issued by the State to allow plant operation until this project is completed. By pumping the sewage to the local municipal treatment system, the unit cost of treatment will drop from an estimated \$16.00 per 3,785 liters to approximately \$1.88 per 3,785 liters. This would result in operating cost savings of \$150,000 per year. Manning requirements would also be reduced by two persons for additional savings of \$100,000 per year. Upon completion of this project, Buildings 45 and 46 (totaling 395 SM) will be demolished.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The base will receive a notice of violation of its NPDES permit which could result in the ANG being fined. If a source of treatment of the sewage is not transferred, a substantial infusion of repair funds will be required to provide a temporary "band-aid" fix. Wastewater treatment and regulatory compliance costs for this installation will continue to rise.</p> <p><u>ADDITIONAL:</u> An economic analysis of reasonable options to accomplish this project (status quo, modify existing, and new construction) was done. It indicated new construction as the only option that would meet all operational requirements. The estimated cost to replace the plant alone is \$2.5 million. The on-base sewer line upgrade must also be done in conjunction with this project. This was validated by an infiltration and exfiltration study done five years ago. The base has contacted Alpena County officials about privatizing this system. The County does not have the capital funds to invest in this project. The County would be willing to take over the entire on-base and off-base sanitary system (from buildings to the plant) after this project is completed. Future repairs would be done by the County. This would comply with Air Force directives to privatize utilities, where it makes sense.</p>		

1. COMPONENT ANG	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE FEB 7 1997																						
3. INSTALLATION AND LOCATION ALPENA COUNTY REGIONAL AIRPORT, MICHIGAN																								
4. PROJECT TITLE SANITARY SEWER LINES	5. PROJECT NUMBER TDVG909671																							
<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>96 APR 23</td> </tr> <tr> <td>(b) Percent Complete as of Jan 98</td> <td>100%</td> </tr> <tr> <td>(c) Date 35% Designed</td> <td>96 AUG 15</td> </tr> <tr> <td>(d) Date Design Complete</td> <td>97 NOV 01</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>200</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>100</td> </tr> <tr> <td>(c) Total</td> <td>300</td> </tr> <tr> <td>(d) Contract</td> <td>300</td> </tr> <tr> <td>(e) In-house</td> <td></td> </tr> </table> <p>(4) Construction Start</p> <p>99 APR</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	96 APR 23	(b) Percent Complete as of Jan 98	100%	(c) Date 35% Designed	96 AUG 15	(d) Date Design Complete	97 NOV 01	(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used -	N/A	(a) Production of Plans and Specifications	200	(b) All Other Design Costs	100	(c) Total	300	(d) Contract	300	(e) In-house	
(a) Date Design Started	96 APR 23																							
(b) Percent Complete as of Jan 98	100%																							
(c) Date 35% Designed	96 AUG 15																							
(d) Date Design Complete	97 NOV 01																							
(a) Standard or Definitive Design -	NO																							
(b) Where Design Was Most Recently Used -	N/A																							
(a) Production of Plans and Specifications	200																							
(b) All Other Design Costs	100																							
(c) Total	300																							
(d) Contract	300																							
(e) In-house																								

1. COMPONENT ANG	FY 1999 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE FEB 7 1997
3. INSTALLATION AND LOCATION SELFRIDGE AIR NATIONAL GUARD BASE, MICHIGAN				4. AREA CONSTR COST INDEX 1.21
5. FREQUENCY AND TYPE OF UTILIZATION Four unit training assemblies per month, 15 days annual field training per year, daily use by technician force and for training.				
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 5 Army Reserve Centers, 2 Army National Guard Armories and 1 Naval Armory				
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START Cmpl
149-962	REPLACE CONTROL TOWER AND RAPCON CENTER	1,115 SM	4,800	JUL 96 NOV 97
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved				21 MAR 96 (Date)
9. LAND ACQUISITION REQUIRED		None	(Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	
131-111	COMPOSITE SUPPORT COMPLEX	63,900 SF	8,800	
BMAR: \$23,824,287.00				

1. COMPONENT ANG	FY 1999 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE FEB 7 1997			
3. INSTALLATION AND LOCATION SELFRIDGE AIR NATIONAL GUARD BASE, MICHIGAN							
11. PERSONNEL STRENGTH AS OF 26 JUN 96							
	<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	989	43	388	558	1,755	201	1,554
ACTUAL	879	41	386	452	1,674	197	1,477
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>					
		<u>AUTHORIZED</u>	<u>ACTUAL</u>				
	127 WG	87	82				
	127 OG	9	9				
	127 OSF	40	43				
	127 FS	37	42				
	171 AS	95	95				
	127 APF	63	53				
	127 LG	29	31				
	127 LSF	45	42				
	127 MXS	338	281				
	127 AGS	238	208				
	127 LS	221	211				
	127 SPTGRP	6	10				
	127 MEDS	126	115				
	127 CES	137	131				
	127 SVF	50	45				
	127 SPS	107	113				
	127 CF	58	71				
	107 WF	19	19				
	127 MSF	50	73				
	TOTALS	1,755	1,674				
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>				
	F-16C/D Aircraft	15	18				
	C-130E Aircraft	8	8				
	Support Equipment	657	634				
	Vehicle Equivalents	852	817				

1. COMPONENT ANG		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE FEB 7 1997	
3. INSTALLATION AND LOCATION SELFRIDGE AIR NATIONAL GUARD BASE, MICHIGAN				4. PROJECT TITLE REPLACE CONTROL TOWER AND RAPCON CENTER		
5. PROGRAM ELEMENT 55296	6. CATEGORY CODE 149-962	7. PROJECT NUMBER VGLZ899650	8. PROJECT COST(\$000) \$4,800			
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
REPLACE CONTROL TOWER AND RAPCON CENTER		SM	1,115		3,285	
CONTROL TOWER WITH ELEVATOR		SM	465	4,730	(2,199)	
RAPCON CENTER		SM	650	1,670	(1,086)	
SUPPORTING FACILITIES					1,075	
UTILITIES		LS			(250)	
PAVEMENTS		LS			(175)	
SITE IMPROVEMENTS		LS			(85)	
SPECIAL FOUNDATION		LS			(125)	
AIRFIELD ELECTRICAL		LS			(240)	
COMMUNICATION		LS			(200)	
SUBTOTAL					4,360	
CONTINGENCY (5%)					218	
TOTAL CONTRACT COST					4,578	
SUPERVISION, INSPECTION AND OVERHEAD (5%)					229	
TOTAL REQUEST					4,807	
TOTAL REQUEST (ROUNDED)					4,800	
10. Description of Proposed Construction: Reinforced concrete footings, special foundations, floor slab, supporting superstructure, control tower cab, and operations and training areas. Facility includes all site work, utilities, mechanical, electrical, fire protection, backup power systems, and an elevator. Air Conditioning: 20 Tons.						
11. REQUIREMENT: 1,115 SM ADEQUATE: 0 SUBSTANDARD: 432 SM PROJECT: Replace Control Tower and RAPCON Center (Current Mission). REQUIREMENT: This is a Level I, Unsatisfactory, Commanders' Facility Assessment (CFA) requirement. An air traffic control tower (86 feet high) with a cab to accommodate up to 9 air traffic control personnel, with space for air traffic control equipment, crew briefings, operations, and training functions is required. The new tower siting must provide full coverage of the airfield. HQ USAF identified the requirement to replace the existing control tower during the Air Traffic Systems analysis in November 1987. This project supports various flying activities at Selfridge including F-16, C-130, KC-135, C-9, and C-26 aircraft. A RAPCON center is required for radar control of all Instrument Flight Rules (IFR) operations in Selfridge airspace including arrivals, departures, approaches, and local training. CURRENT SITUATION: The tower was constructed in 1956 based on the standards of that time. Now it is grossly inadequate in size and technology. The control cab is 58 percent smaller than required. The control tower work center provides staffing on a seven-days-a-week, 16 hours-a-day basis. Severe crowding could lead to hazardous conditions as personnel now control over 58,000 Visual Flight Rule (VFR) operations annually. The controllers cannot view the entire airfield thus creating						

1. COMPONENT ANG	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE FEB 7 1997
3. INSTALLATION AND LOCATION SELFRIDGE AIR NATIONAL GUARD BASE, MICHIGAN		
4. PROJECT TITLE REPLACE CONTROL TOWER AND RAPCON CENTER	5. PROJECT NUMBER VGLZ899650	
<p>potentially hazardous situations for both ground and air traffic. The cramped spaces were built and equipped three decades ago to support a much less demanding airfield operation. The current technology requires wraparound consoles, NAVAID monitors and other state-of-the-art equipment to meet the demands of a technologically advanced environment. The tower is located on the wrong side of the runway. The F-16s require simulated flameout patterns resulting in the aircraft being out of the controllers' line of sight for all but 15 to 30 seconds of the maneuver. Safety for both air and ground movements is a significant hazard as a result of the tower's present orientation. The RAPCON center utilizes 232 SM in Building 1050. This is 36% of the required space. There is no way to expand in this facility. Being remotely located from the control tower results in costly duplication and fragmented span of control. Two additional maintenance personnel and one additional vehicle are required as a result of this split operation.</p> <p>IMPACT IF NOT PROVIDED: The base will continue to use a substandard and outdated tower facility. Overcrowded cab conditions remain a serious problem that limits air traffic controller mobility, prevents functional and efficient operational procedures, and degrades controller communications with pilots. These conditions, coupled with the additional effort required to safely control multiple aircraft, create conditions that jeopardize pilot safety and may cause loss of personnel and aircraft. The RAPCON center will continue to operate in restrictive and cramped space. Inefficiencies in personnel and vehicles will negatively impact the mission and long cable runs will continue to degrade radar quality.</p> <p>ADDITIONAL: Since there is no criteria, the scope for this project was established in accordance with the Air Force Design Guide for Air Traffic Control Towers. A economic analysis of reasonable options to accomplish this project (status quo, modify the existing tower, and new construction) was done. It indicated new construction as the only option that would meet operational requirements. Status quo and tower modifications would not eliminate all operational deficiencies. Because of this, a full economic analysis was not performed and a certificate of exception was prepared. Upon completion of this project, the existing tower (Building 559, 200 SM) will be demolished.</p>		

1. COMPONENT ANG	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE FEB 7 1997																														
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<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <table border="0"> <tr> <td>(1) Status:</td> <td></td> </tr> <tr> <td> (a) Date Design Started</td> <td>96 JUL 01</td> </tr> <tr> <td> (b) Percent Complete as of Jan 98</td> <td>100%</td> </tr> <tr> <td> (c) Date 35% Designed</td> <td>96 SEP 15</td> </tr> <tr> <td> (d) Date Design Complete</td> <td>97 NOV 30</td> </tr> <tr> <td>(2) Basis:</td> <td></td> </tr> <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> <tr> <td>(3) Total Cost (c) = (a) + (b) or (d) + (e):</td> <td>(\$000)</td> </tr> <tr> <td> (a) Production of Plans and Specifications</td> <td>250</td> </tr> <tr> <td> (b) All Other Design Costs</td> <td>100</td> </tr> <tr> <td> (c) Total</td> <td>350</td> </tr> <tr> <td> (d) Contract</td> <td>350</td> </tr> <tr> <td> (e) In-house</td> <td></td> </tr> <tr> <td>(4) Construction Start</td> <td>99 MAY</td> </tr> </table> <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>			(1) Status:		(a) Date Design Started	96 JUL 01	(b) Percent Complete as of Jan 98	100%	(c) Date 35% Designed	96 SEP 15	(d) Date Design Complete	97 NOV 30	(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	250	(b) All Other Design Costs	100	(c) Total	350	(d) Contract	350	(e) In-house		(4) Construction Start	99 MAY
(1) Status:																																
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1. COMPONENT ANG	FY 1999 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE FEB 7 1997
3. INSTALLATION AND LOCATION HECTOR FIELD, NORTH DAKOTA		4. AREA CONSTR COST INDEX 0.98	
5. FREQUENCY AND TYPE OF UTILIZATION Eight unit training assemblies per month, 15 days annual field training per year, daily use by technicians, and State personnel for training.			
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Army National Guard Armory which also houses the Naval Reserve, 1 Army National Guard Organizational Maintenance Shop, and 2 Army Reserve Facilities			
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999			
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000) DESIGN STATUS START CMPL
179-511	REGIONAL FIRE TRAINING FACILITY	LS	600 JUL 95 AUG 97
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved			18 APR 96 (Date)
9. LAND ACQUISITION REQUIRED		None	(Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS			
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)
442-758	ADD TO AND ALTER BASE SUPPLY COMPLEX	35,000 SF	3,000
722-351	MEDICAL TRAINING AND DINING HALL COMPLEX	30,100 SF	4,645
BMAR: \$6,587,764.00			

1. COMPONENT ANG	FY 1999 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE FEB 7 1997			
3. INSTALLATION AND LOCATION HECTOR FIELD, NORTH DAKOTA							
11. PERSONNEL STRENGTH AS OF 30 APR 96							
	<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	260	23	235	2	1,070	121	949
ACTUAL	252	23	227	2	1,039	112	927
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>					
		<u>AUTHORIZED</u>	<u>ACTUAL</u>				
	119 AGS	151	143				
	119 CES	162	164				
	119 CF	43	42				
	119 FW	58	55				
	119 LG	20	23				
	119 LS	112	109				
	119 LSF	32	26				
	119 MDS	62	48				
	119 MSF	34	29				
	119 MXS	186	165				
	119 OG	3	2				
	119 OSF	22	21				
	119 SG	5	5				
	119 SPS	85	81				
	119 SVF	30	32				
	178 FS	34	35				
	8119 STF	5	34				
	HQ NDANG	26	25				
	TOTALS	1,070	1,039				
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>				
	F-16 Aircraft	15	20				
	C-26B Aircraft	1	1				
	Support Equipment	391	405				
	Vehicle Equivalents	331	403				

1. COMPONENT ANG		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE FEB 7 1997	
3. INSTALLATION AND LOCATION HECTOR FIELD, NORTH DAKOTA			4. PROJECT TITLE REGIONAL FIRE TRAINING FACILITY			
5. PROGRAM ELEMENT 55256F	6. CATEGORY CODE 179-511	7. PROJECT NUMBER KKG969603	8. PROJECT COST(\$000) \$600			
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
REGIONAL FIRE TRAINING FACILITY		LS			203	
SUPPORTING FACILITIES					340	
UTILITIES		LS			(80)	
SITE IMPROVEMENTS		LS			(260)	
SUBTOTAL					543	
CONTINGENCY (5%)					27	
TOTAL CONTRACT COST					570	
SUPERVISION, INSPECTION AND OVERHEAD (5%)					29	
TOTAL REQUEST					599	
TOTAL REQUEST (ROUNDED)					600	
10. Description of Proposed Construction: Construct a natural gas-fired fire training burn pit consisting of steel aircraft mock up, site work, 6,689 SM of paving, and an observation/control tower. A 549 LM natural gas line is to be installed by the local utility company.						
11. REQUIREMENT: 1 LS ADEQUATE: 0 SUBSTANDARD: 0 PROJECT: Regional Fire Training Facility (Current Mission). REQUIREMENT: This is a Level I environmental compliance requirement. Hector Field is one of three ANG civil engineer Regional Home Station Training Sites (RHSTS). RHSTSs are required to provide contingency training for total force Civil Engineer (CE) squadrons under realistic wartime conditions at a single location during a single training period. This fire training facility at Hector RHSTS will reduce air emissions, water pollution, and hazardous waste generation by centralizing fire training at a regional site. It will reduce the number of individual unit fire training facilities needed and allow the decommissioning of existing fire training facilities not meeting the national Primary and Secondary Ambient Air Quality Standards (40 CFR 50.4, 50.6, 50.11), National Emissions Standards for Hazardous Air Pollutants (40 CFR 61), and National Pollution Discharge Elimination System (40 CFR 122). CURRENT SITUATION: The Hector Field RHSTS does not have a fire training facility. Firefighters deploying to this RHSTS cannot train in a realistic wartime environment. The units may not pass their Operational Readiness Inspections (ORI) and their wartime readiness is degraded. Fire training facilities at ANG bases throughout the United States are operating under various degrees of environmental compliance. Several units are unable to conduct hands-on fire training because their fire training facilities have been closed due to environmental non-compliance.						

1. COMPONENT ANG	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE FEB 1 1999
3. INSTALLATION AND LOCATION HECTOR FIELD, NORTH DAKOTA		
4. PROJECT TITLE REGIONAL FIRE TRAINING FACILITY	5. PROJECT NUMBER KKG969603	
<p><u>IMPACT IF NOT PROVIDED:</u> ANG firefighters will not be fully trained in their wartime duties. Deployable GE squadrons will not be fully capable of performing their wartime mission. Lack of training opportunities and higher operating cost. Numerous unit fire training facilities will continue to pollute the environment. A regional training facility would be more environmentally sound and cost effective.</p> <p><u>ADDITIONAL:</u> The utility company will install the gas line at no cost to the federal government.</p>		

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<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table data-bbox="355 612 1404 740"> <tr> <td>(a) Date Design Started</td> <td>95 JUL 26</td> </tr> <tr> <td>(b) Percent Complete as of Jan 98</td> <td>100%</td> </tr> <tr> <td>(c) Date 35% Designed</td> <td>96 SEP 15</td> </tr> <tr> <td>(d) Date Design Complete</td> <td>97 AUG 15</td> </tr> </table> <p>(2) Basis:</p> <table data-bbox="355 804 1404 868"> <tr> <td>(a) Standard or Definitive Design -</td> <td>YES</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>CHARLOTT</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table data-bbox="355 932 1404 1081"> <tr> <td>(a) Production of Plans and Specifications</td> <td>30</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>15</td> </tr> <tr> <td>(c) Total</td> <td>45</td> </tr> <tr> <td>(d) Contract</td> <td>45</td> </tr> <tr> <td>(e) In-house</td> <td></td> </tr> </table> <p>(4) Construction Start 99 MAY</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> <p>Point of Contact: Mr. Steve Rosner 301-836-8186</p>			(a) Date Design Started	95 JUL 26	(b) Percent Complete as of Jan 98	100%	(c) Date 35% Designed	96 SEP 15	(d) Date Design Complete	97 AUG 15	(a) Standard or Definitive Design -	YES	(b) Where Design Was Most Recently Used -	CHARLOTT	(a) Production of Plans and Specifications	30	(b) All Other Design Costs	15	(c) Total	45	(d) Contract	45	(e) In-house	
(a) Date Design Started	95 JUL 26																							
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1. COMPONENT ANG	FY 1999 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE FEB -7 1997																				
3. INSTALLATION AND LOCATION VOLK FIELD AIR NATIONAL GUARD BASE, WISCONSIN		4. AREA CONSTR COST INDEX 1.33																				
5. FREQUENCY AND TYPE OF UTILIZATION Year round operational training of Air National Guard units and other Reserve and Guard components and Active Force military units.																						
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Army National Guard unit																						
7. PROJECTS REQUESTED IN THIS PROGRAM: FY 1999 <table border="1"> <thead> <tr> <th data-bbox="277 697 409 725">CATEGORY</th> <th data-bbox="546 732 756 759">PROJECT TITLE</th> <th data-bbox="959 732 1047 759">SCOPE</th> <th data-bbox="1141 697 1240 759">COST (\$000)</th> <th colspan="2" data-bbox="1268 697 1483 759">DESIGN STATUS</th> </tr> <tr> <th data-bbox="310 732 376 759">CODE</th> <th></th> <th></th> <th></th> <th data-bbox="1285 732 1367 759">START</th> <th data-bbox="1400 732 1466 759">CMPL</th> </tr> </thead> <tbody> <tr> <td data-bbox="277 793 393 821">111-111</td> <td data-bbox="417 793 839 821">UPGRADE RUNWAY AND TAXIWAY</td> <td data-bbox="946 793 1111 821">183,600 SM</td> <td data-bbox="1158 793 1240 821">9,000</td> <td data-bbox="1268 793 1367 821">JUL 95</td> <td data-bbox="1400 793 1500 821">FEB 97</td> </tr> </tbody> </table>			CATEGORY	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS		CODE				START	CMPL	111-111	UPGRADE RUNWAY AND TAXIWAY	183,600 SM	9,000	JUL 95	FEB 97		
CATEGORY	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS																		
CODE				START	CMPL																	
111-111	UPGRADE RUNWAY AND TAXIWAY	183,600 SM	9,000	JUL 95	FEB 97																	
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Unilateral Construction Approved																						
9. LAND ACQUISITION REQUIRED		None <u>19 OCT 95</u> (Date)																				
10. PROJECTS PLANNED IN NEXT FOUR YEARS <table border="1"> <thead> <tr> <th data-bbox="277 1229 409 1257">CATEGORY</th> <th data-bbox="546 1264 756 1291">PROJECT TITLE</th> <th data-bbox="959 1264 1047 1291">SCOPE</th> <th data-bbox="1141 1229 1240 1291">COST (\$000)</th> </tr> <tr> <th data-bbox="310 1264 376 1291">CODE</th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td data-bbox="277 1325 393 1353">422-264</td> <td data-bbox="417 1325 806 1353">MUNITIONS STORAGE IGLOOS</td> <td data-bbox="979 1325 1111 1353">3,600 SF</td> <td data-bbox="1158 1325 1240 1353">1,150</td> </tr> <tr> <td data-bbox="277 1357 393 1385">725-517</td> <td data-bbox="417 1357 773 1419">REPLACE TROOP TRAINING QUARTERS</td> <td data-bbox="963 1357 1111 1385">65,000 SF</td> <td data-bbox="1158 1357 1240 1385">7,800</td> </tr> <tr> <td colspan="4" data-bbox="442 1549 822 1576">BMAR: \$8,245,137.00</td> </tr> </tbody> </table>			CATEGORY	PROJECT TITLE	SCOPE	COST (\$000)	CODE				422-264	MUNITIONS STORAGE IGLOOS	3,600 SF	1,150	725-517	REPLACE TROOP TRAINING QUARTERS	65,000 SF	7,800	BMAR: \$8,245,137.00			
CATEGORY	PROJECT TITLE	SCOPE	COST (\$000)																			
CODE																						
422-264	MUNITIONS STORAGE IGLOOS	3,600 SF	1,150																			
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BMAR: \$8,245,137.00																						

1. COMPONENT ANG	FY 1999 GUARD AND RESERVE MILITARY CONSTRUCTION				2. DATE FEB -7 1997		
3. INSTALLATION AND LOCATION VOLK FIELD AIR NATIONAL GUARD BASE, WISCONSIN							
11. PERSONNEL STRENGTH AS OF 31 JUL 96							
	<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	212	19	121	72	231	27	204
ACTUAL	196	18	106	72	211	26	185
12. RESERVE UNIT DATA							
	<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>					
		<u>AUTHORIZED</u>	<u>ACTUAL</u>				
	VOLK CRTC	110	89				
	128 AC SQ	<u>121</u>	<u>122</u>				
	TOTALS	231	211				
13. MAJOR EQUIPMENT AND AIRCRAFT							
	<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>				
	Support Equipment	260	243				
	Vehicle Equivalentts	777	706				

1. COMPONENT ANG		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE FEB 7 1997			
3. INSTALLATION AND LOCATION VOLK FIELD AIR NATIONAL GUARD BASE, WISCONSIN				4. PROJECT TITLE UPGRADE RUNWAY AND TAXIWAY				
5. PROGRAM ELEMENT 55296F		6. CATEGORY CODE 111-111	7. PROJECT NUMBER YAOF949694		8. PROJECT COST(\$000) \$9,000			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE RUNWAY AND TAXIWAY					SM	183,600		7,629
RUNWAY					SM	125,500	54	(6,777)
OVERRUNS					SM	28,000	10	(280)
TAXIWAY					SM	30,100	19	(572)
SUPPORTING FACILITIES								575
AIRFIELD LIGHTING					LS			(275)
REPAINTING					LS			(100)
RESET BARRIERS					LS			(200)
SUBTOTAL								8,204
CONTINGENCY (5%)								410
TOTAL CONTRACT COST								8,614
SUPERVISION, INSPECTION AND OVERHEAD (5%)								431
TOTAL REQUEST								9,045
TOTAL REQUEST (ROUNDED)								9,000
10. Description of Proposed Construction: Remove deteriorated pavements. Reconstruct subbase and base course. Correct drainage. Install new wearing course. Adjust barrier level. Replace and readjust airfield lighting. Remark pavement surfaces.								
11. REQUIREMENT: 183,600 SM ADEQUATE: 0 SUBSTANDARD: 183,600 SM PROJECT: Upgrade Runway and Taxiway (Current Mission). REQUIREMENT: This is a Level I, Unsatisfactory, Commanders' Facility Assessment (CFA) requirement. Runway 09/27 and Taxiway 1 represent a major portion of the base's airfield surfaces. Volk Field is an ANG operated Combat Readiness Training Center (CRTC). It is used by the total force for air-to-ground, air-to-air, and support forces training. The runway and taxiways must be capable of supporting operations of all types of aircraft: F-16, F-15, F-14, A-6, C-130, KC-135, B-1, AWACS, C-5, and Commercial Reserve Air Fleet aircraft. Volk Field is also an overseas port of embarkation for troops in Wisconsin and trains ANG personnel in Ability To Survive (ATS) program. There are no commercial flights from this base. CURRENT SITUATION: The runway and taxiway pavements have deteriorated to marginally acceptable operational levels and are now experiencing an accelerated rate of failure. The pavement surface is cracking, weathering, and has multiple load-related distresses. Within approximately two years, the base will be unable to support flight training. Reconstruction of the runway and taxiway pavements is imperative. With the number of heavy load aircraft (KC-135, B-1) increasing in the ANG inventory, there are more heavy aircraft operations now at Volk Field than ever before. The pavements were not constructed for these types of aircraft thus accelerating deterioration. As more								

1. COMPONENT ANG	FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE FEB 7 199
3. INSTALLATION AND LOCATION VOLK FIELD AIR NATIONAL GUARD BASE, WISCONSIN		
4. PROJECT TITLE UPGRADE RUNWAY AND TAXIWAY	5. PROJECT NUMBER YAOF949694	
<p>stress cracks appear, sealing is no longer possible. Water infiltration to the subbase is becoming more common, further accelerating deterioration and increasing reconstruction costs. Joint sealing is no longer possible. An overlay will only delay the eventual reconstruction in a few years and will result in higher operational costs by shutting down the runway twice and have the CRTC closed for training twice.</p> <p>IMPACT IF NOT PROVIDED: Possible foreign object damage (FOD) to aircraft engines and tires. Further deterioration will cause more damage and increase costs substantially. Runway failure will have a devastating impact on the training. If this project is not accomplished, the runway will have to be shut down so an interim, short-term overlay, estimated to cost 2 to 3 million dollars can be constructed. This is not an effective use of funds.</p> <p>ADDITIONAL: Project directly supports a mission or activity for which there is no economic analysis requirement. The only viable alternative which can satisfy mission requirements is the total repair/replacement of the airfield pavements as described. Replacement of existing pavements with the related work described would ensure an airfield with a useful life well into the next century. The ANG Technical Services Center Pavement Evaluation Team visited the base in May 1993 and identified runway 09/27 and Taxiway 1 surfaces as deteriorating at a rate of 5 to 10 PCI (Pavements Condition Index) points per year. The normal rate is approximately 3 PCI points per year. At some point, the pavements will reach a point of total failure. The pavements have deteriorated beyond the point where normal maintenance and repair are effective.</p>		

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(b) Percent Complete as of Jan 98	100%																															
(c) Date 35% Designed	96 JUL 17																															
(d) Date Design Complete	97 FEB 20																															
(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	400																															
(b) All Other Design Costs	200																															
(c) Total	600																															
(d) Contract	600																															
(e) In-house																																
(4) Construction Start	99 JUN																															

1. COMPONENT ANG		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE FEB 1997	
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS (UNSPECIFIED)			4. PROJECT TITLE PLANNING AND DESIGN			
5. PROGRAM ELEMENT 55296F	6. CATEGORY CODE 999-999	7. PROJECT NUMBER AAAA969628	8. PROJECT COST(\$000) 9.649			
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
USPFO APPROVED CLASS (MC)		SF	1	600,000	9,649	
SUBTOTAL					9,649	
TOTAL CONTRACT COST					9,649	
TOTAL REQUEST					9,649	
TOTAL REQUEST (ROUNDED)					9,649	
10. Description of Proposed Construction: The funds requested will provide for the final design of facilities and achieve full evaluation for each project in terms of technical adequacy and estimated cost. 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 Military Construction Programs.						
11. REQUIREMENT: As required. REQUIREMENT: The ANG needs planning and design funds for projects to be included in future MILCON programs. The FY 99 design funds are needed to complete the design for projects to be included in FY 00 MILCON program and begin the design for projects to be included in FY 01 MILCON program. CURRENT SITUATION: The SECDEF Bottom Up Review and the downsizing of the Air Force has resulted in the transfer of additional missions such as the B-1, KC-135, C-130, and others to the ANG. MILCON for these aircraft conversions are included in the FY 00-01 programs. The ANG requires the design money in FY 99 to ensure the design milestones for FY 00 and FY 01 as mandated by DODI 1225.8 are met. IMPACT IF NOT PROVIDED: The ANG will not be able to execute the FY 99 and FY 00 design programs. Since the majority of the programs are in support of new missions and conversions, the projects cannot be included in the MILCON programs and submitted to Congress. Conversions will be delayed; high risk and costly workarounds will occur.						

1. COMPONENT ANG		FY 1999 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE FEB 7 1999			
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS (UNSPECIFIED)				4. PROJECT TITLE UNSPECIFIED MINOR CONSTRUCTION				
5. PROGRAM ELEMENT 55296F		6. CATEGORY CODE 999-999	7. PROJECT NUMBER AAAA969626		8. PROJECT COST(\$000) 4,262			
9. COST ESTIMATES								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
USPFO APPROVED CLASS (MC)					SF	1	250,000	4,262
SUBTOTAL								4,262
TOTAL CONTRACT COST								4,262
TOTAL REQUEST								4,262
TOTAL REQUEST (ROUNDED)								4,262
10. Description of Proposed Construction: Provides a lump sum for unspecified construction projects not otherwise authorized by law. 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 2233a or 10 U. S. Code 2805.								
11. REQUIREMENT: As required. <u>REQUIREMENT:</u> This program provides the means of accomplishing urgent projects costing over \$500,000 but not exceeding \$1,500,000 that are not now identified, but which are anticipated to arise during late FY 98, or early FY 99. Included would be projects to satisfy critical, unforeseen and urgent mission or environmental requirements. It would be too late to include these projects in the FY 99 MILCON and these projects cannot wait for inclusion in the FY 00 MILCON. <u>CURRENT SITUATION:</u> During this period it is expected the Air Force will continue to transfer force structure, causing the ANG to undergo numerous aircraft conversions and beddowns. Facility requirements for these late to need actions may need to be done on an urgent basis to support the arrival of new aircraft and equipment. The funds requested in this budget are not a percent of the budget, but are based on past history and account for inflation only. Routine and non-urgent projects are not funded by this account. <u>IMPACT IF NOT PROVIDED:</u> Unable to complete the beddowns. Will require formal reprogramming if savings are available. More expensive workarounds will have to be used.								

**DEPARTMENT OF THE AIR FORCE
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1999**

APPROPRIATION:	MILITARY CONSTRUCTION -- AIR NATIONAL GUARD	
PROGRAM 341:	UNSPECIFIED MINOR CONSTRUCTION	\$4,262,000

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 Minor Construction will finance projects for which the justification is such that they should not be included in the regular Military Construction Program for the Air National Guard and such that they exceed the minor construction work authorization in the Operations and Maintenance Appropriation.

**DEPARTMENT OF THE AIR FORCE
AIR NATIONAL GUARD
MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 1999**

SECTION III

FUTURE YEAR DEFENSE PLAN (FYDP)

MILITARY CONSTRUCTION
AND FAMILY HOUSING

APPROPRIATION TITLE: ANG MILCON
SYMBOL: 3830

SUBMISSION NO: 1
AS/OF: 7 Feb 96

FY	STATE	INSTALLATION	PROJECT	BUDGETED AMT (\$000)	
2000	F	CA	MOFFETT	COMPOSITE MAINTENANCE HANGAR	13,800
2000	F	CA	FRESNO	BASE SUPPLY COMPLEX	6,800
2000	F	CA	MARCH	ADD TO/ALTER KC-135 AIRCRAFT AND GEN PURPOSE SHOPS	3,200
2000	F	FL	JACKSONVILLE	ADD TO/ALTER FUEL CELL/CORROSION CONTROL	2,250
2000	F	GA	ROBINS	B-1 MUNITIONS MAINTENANCE AND TRAINING COMPLEX	8,900
2000	F	GA	ROBINS	B-1 DINING HALL (JOINT W/ ACC PROJECT)	620
2000	F	GA	ROBINS	B-1 OPERATIONS AND TRAINING FACILITY	5,000
2000	F	GA	ROBINS	B-1 SUPPLY AND EQUIPMENT WAREHOUSE	4,800
2000	F	GA	ROBINS	B-1 RELOCATE MUNITIONS SHOP	350
2000	F	GA	ROBINS	B-1 MEDICAL TRAINING ADDITION	850
2000	F	GA	ROBINS	B-1 BASE ENGINEER MAINTENANCE COMPLEX	3,000
2000	F	GA	ROBINS	B-1 VEHICLE MAINTENANCE COMPLEX	1,850
2000	F	GA	ROBINS	B-1 AREA SITE IMPROVEMENTS	1,000
2000	F	GA	SAVANNAH IAP	COMPOSITE SUPPORT COMPLEX	8,400
2000	F	GA	SAVANNAH CRTC	REGIONAL FIRE TRAINING FACILITY	1,500
2000	F	ID	BOISE	ADD TO BASE SUPPLY COMPLEX	2,300
2000	F	ID	BOISE	UPGRADE A-10 FUEL CELL/CORROSION CONTROL AND SHOPS	1,500
2000	F	ID	BOISE	EXPAND MUNITIONS COMPLEX/ARM AND DISARM APRON	3,450
2000	F	ID	BOISE	C-130 SQUADRON OPERATIONS/AERIAL PORT FACILITY	8,800
2000	F	MS	GULFPORT	REPLACE TROOP TRAINING QUARTERS/DINING FACILITY	9,400
2000	F	MS	KEY FIELD	KC-135 REGIONAL SIMULATOR FACILITY	2,000
2000	F	NE	LINCOLN	JOINT MEDICAL TRAINING FACILITY (W/ARNG)	1,490
2000	F	NV	RENO	AERIAL PORT TRAINING FACILITY	2,800
2000	F	PR	PUERTO RICO	REPLACE FIRE STATION	2,250
2000	F	WI	VOLK FIELD	MUNITIONS STORAGE IGLOOS	1,150
				PLANNING AND DESIGN	9,181
				UNSPECIFIED MC	4,550
				FY 2000 FUNDED REQUIREMENTS	111,191
2000	U	AK	KULIS	VEHICLE MAINTENANCE/FIRE STATION COMPLEX	10,200
2000	U	AL	DANNELLY	MUNITIONS COMPLEX AND AIRCRAFT SUPPORT EQUIPMENT SHOP	4,800
2000	U	AR	FORT SMITH	ADD TO AND ALTER SQUAD OPS/SECURITY POLICE	3,000
2000	U	AR	LITTLE ROCK	VEHICLE MAINTENANCE AND ASE COMPLEX	2,800
2000	U	AZ	TUCSON	COMPOSITE SUPPORT COMPLEX	7,500
2000	U	CO	BUCKLEY	MUNITIONS MAINTENANCE AND STORAGE COMPLEX	4,400
2000	U	CO	GREELEY	MOBILE GROUND STATION MAINTENANCE COMPLEX	4,700
2000	U	DE	NEW CASTLE	SQUADRON OPERATIONS AND AEROMED EVACUATION FACILITY	6,500
2000	U	IA	SIoux	ADD TO AND ALTER AIRCRAFT CORROSION CONTROL FACILITY	2,900
2000	U	IN	HULMAN	FUEL CELL/CORROSION CONTROL AND FIRE STATION	4,700
2000	U	KY	STANDIFORD	COMPOSITE AERIAL PORT/ALCE TRAINING FACILITY	2,500
2000	U	LA	NEW ORLEANS	BASE ENGINEER AND COMMUNICATIONS COMPLEX	5,900
2000	U	MA	BARNES	REPLACE DINING HALL	3,000
2000	U	ME	BANGOR	UPGRADE BASE FACILITIES - PHASE II	6,900
2000	U	MN	MINNEAPOLIS-ST PAUL	BASE CIVIL ENGINEER MAINTENANCE COMPLEX	4,150
2000	U	ND	HECTOR	ADD TO AND ALTER BASE SUPPLY COMPLEX	3,000
2000	U	OH	MANSFIELD	SECURITY POLICE OPERATIONS	1,540
2000	U	OK	WILL ROGERS	AEROMEDICAL EVACUATION TRAINING FACILITY	3,000

**MILITARY CONSTRUCTION
AND FAMILY HOUSING**

**APPROPRIATION TITLE: ANG MILCON
SYMBOL: 3830**

**SUBMISSION NO: 1
ASJOF: 7 Feb 96**

FY	STATE	INSTALLATION	PROJECT	BUDGETED AMT (\$000)	
2000	U	TX	KELLY	ALTER SQUADRON OPERATIONS FACILITY	2,300
2000	U	WI	VOLK FIELD	REPLACE TROOP TRAINING QUARTERS	7,800
2000	U	WV	EWVRA	ADD TO AND ALTER AVIONICS SHOP	650
			PLANNING AND DESIGN		4,680
			FY 2000 UNFUNDED REQUIREMENTS		96,900

**MILITARY CONSTRUCTION
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SYMBOL: 3830**

**SUBMISSION NO: 1
AS/OF: 7 Feb 96**

FY	STATE	INSTALLATION	PROJECT	BUDGETED AMT (\$000)	
2001	F	AK	EIELSON	MEDICAL TRAINING FACILITY	1,700
2001	F	CA	SEPULVEDA	COMMUNICATIONS AND ELECTRONICS TRAINING FACILITY	3,950
2001	F	GA	SAVANNAH FTS	REPLACE TROOP TRAINING QUARTERS	5,700
2001	F	IA	DES MOINES	SECURITY POLICE OPERATIONS	3,900
2001	F	IN	FORT WAYNE	DINING HALL AND MEDICAL TRAINING FACILITY	5,800
2001	F	KS	MCCONNELL	ALTER BASE CIVIL ENGINEER MAINTENANCE SHOPS	2,000
2001	F	MD	ANDREWS	ADD TO AND ALTER ANGRC SUPPORT CENTER	9,400
2001	F	MI	SELFRIDGE	COMPOSITE SUPPORT COMPLEX	8,800
2001	F	MS	KEY FIELD	REPLACE DINING HALL	3,100
2001	F	MS	THOMPSON	EXTEND C-17 FUEL CELL HANGAR	2,900
2001	F	MS	THOMPSON	EXTEND C-17 HANGAR	2,900
2001	F	MS	THOMPSON	EXTEND C-17 APRON	4,800
2001	F	MS	THOMPSON	MODIFY C-17 SHOPS	2,500
2001	F	NM	KIRTLAND	ADD TO AND ALTER BASE SUPPLY WAREHOUSE	2,400
2001	F	OH	RICKENBACKER	FUEL CELL AND CORROSION CONTROL FACILITY	5,700
2001	F	OK	TULSA	COMPOSITE SUPPORT COMPLEX	9,300
2001	F	PA	FORT INDIANTOWN	REPLACE TROOP TRAINING QUARTERS	3,900
2001	F	PR	PUERTO RICO	DINING HALL AND MEDICAL TRAINING FACILITY	4,650
2001	F	RI	QUONSET	AVIONICS, ENGINE AND NDI SHOPS	4,050
2001	F	SD	JOE FOSS	VEHICLE MAINTENANCE AND ASE COMPLEX	5,000
2001	F	TN	NASHVILLE	BASE CIVIL ENGINEER MAINTENANCE COMPLEX	2,550
2001	F	TX	KELLY	VEHICLE AND ASE MAINTENANCE COMPLEX	2,700
2001	F	TX	ELLINGTON	BASE SUPPLY COMPLEX	5,550
2001	F	VT	BURLINGTON	BASE SUPPLY COMPLEX	5,500
2001	F	WA	FAIRCHILD	UPGRADE KC-135 FLIGHTLINE FACILITIES	9,500
			PLANNING AND DESIGN	4,348	
			UNSPECIFIED MC	4,600	
			FY 2001 FUNDED REQUIREMENTS	127,198	
2001	U	AL	DANNELLY	COMPOSITE SUPPORT COMPLEX	5,500
2001	U	GA	HUNTER	VEHICLE MAINTENANCE FACILITY	1,800
2001	U	HI	HICKAM	BASE CIVIL ENGINEER MAINTENANCE COMPLEX	4,200
2001	U	IL	CAPITAL	COMPOSITE SUPPORT FACILITY	5,400
2001	U	MN	DULUTH	COMPOSITE SUPPORT FACILITY COMPLEX	4,200
2001	U	NM	KIRTLAND	ADD TO AND ALTER SQUADRON OPERATIONS FACILITY	2,800
2001	U	NY	GABRESKI	VEHICLE AND AGE MAINTENANCE COMPLEX	4,250
2001	U	OH	SPRINGFIELD	BASE SUPPLY COMPLEX	5,500
2001	U	OR	KLAMATH	COMPOSITE SUPPORT COMPLEX	9,000
2001	U	PA	GRT PITTSBURGH	ADD TO AND ALTER SQUADRON OPERATIONS	3,200
2001	U	PR	PUERTO RICO	VEHICLE MAINTENANCE COMPLEX	2,200
2001	U	UT	SALT LAKE	COMPOSITE OPS AND TRAINING & SQ OPERATIONS COMPLEX	8,700
			PLANNING AND DESIGN	6,500	
			FY 2001 UNFUNDED REQUIREMENTS	63,250	

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FY	STATE	INSTALLATION	PROJECT	BUDGETED AMT (\$000)	
2002	F	AK	KULIS	AIRCRAFT CORROSION CONTROL FACILITY	8,300
2002	F	AL	BIRMINGHAM	BASE CIVIL ENGINEERING MAINTENANCE COMPLEX	3,650
2002	F	AR	HOT SPRINGS	BASE SUPPLY COMPLEX	1,600
2002	F	CT	ORANGE	COMM-ELECTRONICS OPS AND TRAINING FACILITY	5,400
2002	F	FL	PATRICK	ADD TO AND ALTER COMM & ELECTRONICS TRAINING COMPLEX	3,200
2002	F	GU	ANDERSEN	OPERATIONS AND TRAINING FACILITY	3,000
2002	F	ID	BOISE	JOINT MEDICAL TRAINING FACILITY (ANG/ARNG)	1,550
2002	F	NJ	ATLANTIC	COMMUNICATIONS AND SECURITY POLICE FACILITY	2,650
2002	F	NM	KIRTLAND	COMPOSITE SUPPORT FACILITY	3,000
2002	F	NY	SCHENECTADY	COMPOSITE SUPPORT COMPLEX	6,900
2002	F	OH	TOLEDO	FIRE STATION	2,450
2002	F	PA	FORT INDIANTOWN	COMPOSITE COMMUNICATIONS/ELECTRONICS TRAINING FACILITY	4,700
2002	F	PR	PUERTO RICO	UPGRADE BAK12/14 AIRCRAFT ARRESTING SYSTEM	1,350
2002	F	WY	CHEYENNE	UPGRADE AERIAL PORT AND CORROSION CONTROL FACILITY	1,100
			PLANNING AND DESIGN	4,786	
			UNSPECIFIED MC	4,350	
			FY 2002 FUNDED REQUIREMENTS	57,986	
2002	U	AL	DANNELLY	OPERATIONS AND TRAINING FACILITY	3,600
2002	U	AR	LITTLE ROCK	FUEL SYSTEMS MAINTENANCE & CORROSION CONTROL FACILITY	4,900
2002	U	CA	MOFFETT	FUEL CELL AND CORROSION CONTROL FACILITY	8,300
2002	U	GA	SAVANNAH IAP	OPERATIONS AND TRAINING FACILITY	2,100
2002	U	ID	BOISE	COMPOSITE SUPPORT COMPLEX	3,500
2002	U	MA	OTIS	ADD TO AND ALTER FUEL SYSTEMS MAINTENANCE HANGAR	1,850
2002	U	MI	ALPENA	AIR-TO-GROUND RANGE SUPPORT FACILITIES	2,300
2002	U	NC	CHARLOTTE	ADD TO AND ALTER BASE SUPPLY COMPLEX	3,000
2002	U	NJ	MCGUIRE	COMPOSITE BASE CIVIL ENGINEER MAINTENANCE FACILITY	3,900
2002	U	NV	RENO	VEHICLE MAINTENANCE COMPLEX/ACFT SUPPORT EQUIPMENT	3,600
2002	U	OK	WILL ROGERS	COMPOSITE AIRCRAFT MAINTENANCE COMPLEX	19,000
2002	U	PA	FORT INDIANTOWN	COMPOSITE SUPPORT FACILITY	4,100
2002	U	PA	FORT INDIANTOWN	VEHICLE MAINTENANCE COMPLEX	5,000
2002	U	RI	QUONSET	ADD TO AND ALTER SQUADRON OPERATIONS FACILITY	2,400
2002	U	SD	JOE FOSS	BASE CIVIL ENGINEER MAINTENANCE COMPLEX	3,350
2002	U	TN	MCGHEE	AVIONICS SHOP	950
2002	U	TX	KELLY	UPGRADE COMPOSITE SUPPORT FACILITY	7,100
2002	U	TX	KELLY	ALTER MEDICAL TRAINING AND ADMINISTRATION FACILITY	890
2002	U	UT	SALT LAKE	COMPOSITE AIRCRAFT MAINTENANCE COMPLEX	11,000
2002	U	VA	RICHMOND	VEHICLE MAINTENANCE COMPLEX	2,150
2002	U	WA	FAIRCHILD	BASE SUPPLY COMPLEX	5,000
2002	U	WV	YEAGER	BASE CIVIL ENGINEERING AND DISASTER PREPARATION COMPLEX	3,000
			PLANNING AND DESIGN	7,460	
			FY 2002 UNFUNDED REQUIREMENTS	108,450	

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FY	STATE	INSTALLATION	PROJECT	BUDGETED AMT (\$000)
2003	AK	KULIS	COMPOSITE SUPPORT FACILITY COMPLEX	11,400
2003	IA	DES MOINES	VEHICLE MAINTENANCE COMPLEX	2,750
2003	KS	FORBES	ADD TO AND ALTER BASE CIVIL ENGINEER COMPLEX	1,250
2003	MA	BARNES	BASE SUPPLY COMPLEX	4,300
2003	MI	ALPENA	OPERATIONS AND TRAINING COMPLEX	3,500
2003	MN	DULUTH	BASE SUPPLY COMPLEX	5,300
2003	MS	KEY FIELD	COMM AND ELECTRONICS TRAINING COMPLEX	3,500
2003	ND	HECTOR	MEDICAL TRAINING AND DINING HALL COMPLEX	4,645
2003	NV	RENO	REPLACE FIRE STATION	2,200
2003	PA	GTR PITTSBURGH	FIRE STATION	3,200
2003	PR	PUERTO RICO	BASE SUPPLY COMPLEX	5,300
2003	SD	JOE FOSS	FIRE STATION	2,050
2003	UT	SALT LAKE	FIRE STATION	2,100
			PLANNING AND DESIGN	4,959
			UNSPECIFIED MC	4,400
			FY 2003 FUNDED REQUIREMENTS	60,854
2003	AL	DANNELLY	ADD TO AND ALTER AIRCRAFT CORROSION CONTROL FACILITY	1,500
2003	AL	HALL	RELOCATE 280TH COMBAT COMMUNICATIONS SQUADRON	9,800
2003	CA	FRESNO	COMPOSITE SUPPORT FACILITY	7,200
2003	CA	FRESNO	VEHICLE MAINTENANCE COMPLEX	2,350
2003	CT	ORANGE	VEHICLE/ASE MAINTENANCE FACILITY	2,900
2003	GA	ROBINS	B-1 MUNITIONS STORAGE IGLOOS	5,000
2003	IA	SIOUX	VEHICLE MAINTENANCE COMPLEX	2,500
2003	IN	HULMAN	WEAPONS RELEASE SYSTEMS SHOP	2,150
2003	MA	OTIS	ALTER ENVIROTECH CENTER AND BCE FACILITIES	4,100
2003	MD	ANDREWS	ADD TO AND ALTER VEHICLE AND AGE MAINTENANCE SHOPS	2,200
2003	MD	MARTIN STATE	DINING HALL	2,600
2003	MD	ANDREWS	CORROSION CONTROL FACILITY	2,130
2003	MI	W K KELLOGG	ADD TO AND ALTER BASE SUPPLY	1,850
2003	NJ	ATLANTIC CITY	STORAGE IGLOOS	1,100
2003	NJ	MCGUIRE	CONSOLIDATED AIRCRAFT MAINTENANCE HANGAR	9,700
2003	NM	KIRTLAND	ADD TO AND ALTER BASE CIVIL ENGINEER FACILITY	1,550
2003	NY	HANCOCK	AIRCRAFT PARKING APRON/DEICING FACILITY	5,000
2003	OH	SPRINGFIELD	COMPOSITE SUPPORT FACILITY	4,000
2003	OK	WILL ROGERS	SITE PREPARATION, ROADS, AND UTILITIES	5,100
2003	PA	FORT INDIANTOWN	BASE SUPPLY AND EQUIPMENT WAREHOUSE	4,800
2003	RI	COVENTRY	COMMUNICATIONS-ELECTRONICS TRAINING FACILITY	2,650
2003	SC	MCENTIRE	DINING HALL AND MEDICAL TRAINING FACILITY	4,450
2003	VA	RICHMOND	BASE SUPPLY COMPLEX	5,400
2003	WA	FAIRCHILD	COMPOSITE SUPPORT FACILITY	6,800
2003	WI	TRUAX FIELD	SECURITY POLICE FACILITY	1,650
2003	WV	EWVRA	LAND ACQUISITION (DROP ZONE)	900
			PLANNING AND DESIGN	7,470
			FY 2003 UNFUNDED REQUIREMENTS	106,850