



Department of the Air Force

Military Construction and Family Housing Program

**Fiscal Year (FY) 2001
Budget Estimates**

**Justification Data Submitted to Congress
February 2000**

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Fiscal Year (FY) 2001
President's Budget**

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Inside the United States Construction Projects

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)									2. DATE	
AIR FORCE											
3. INSTALLATION AND LOCATION					4. COMMAND				5. AREA CONST COST INDEX		
ELMENDORF AIR FORCE BASE, ALASKA					PACIFIC AIR FORCES				1.50		
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 99		819	6105	816				157	405	123	10,425
b. End FY 2005		822	6151	805				157	405	123	10,463
7. INVENTORY DATA (\$000)											
a. Total Acreage: (13,122)											
b. Inventory Total As Of: (30 SEP 99) 2,775,140											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 27,520											
e. Authorization Included In Following Program: (FY 2002) 27,500											
f. Planned In Next Three Program Years: 42,400											
g. Remaining Deficiency: 239,912											
h. Grand Total: 3,112,472											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY											
CODE		PROJECT TITLE			SCOPE		COST (\$000)		DESIGN STATUS START		Cmpl
211-111		UPGRADE HANGAR COMPLEX			8,500 SM		11,600		JAN 99		AUG 00
721-312		DORMITORY			144 RM		15,920		TURNKEY		TURNKEY
		TOTAL:					27,520				
9a. Future Projects: Included in the Following Program (FY 2002)											
721-312		DORMITORY			180 RM		20,200				
740-884		CHILD DEVELOPMENT CENTER			2,512 SM		7,300				
		TOTAL:					27,500				
9b. Future Projects: Typical Planned Next Three Years:											
610-285		REPAIR HEADQUARTERS BUILDING			11,767 SM		10,000				
721-312		DORMITORY			180 RM		21,100				
740-674		ADD TO AND ALTER FITNESS CENTER			4,450 SM		11,300				
10. Mission or Major Functions: Headquarters Alaska Command; Headquarters Eleventh Air Force. The host wing supports three fighter squadrons including two F-15C/D squadrons, one F-15E squadron, one E3 airborne warning and control squadron and an airlift squadron with C-130H and C-12 aircraft.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution: 0											
b. Water pollution: 0											
c. Occupational safety and health: 1,200											
d. Other Environmental: 0											
12. Real Property Maintenance Backlog This Installation 43,355											

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
ELMENDORF AIR FORCE BASE, ALASKA			UPGRADE HANGAR COMPLEX		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
2.75.96	211-111	FXSB983019	11,600		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE HANGAR COMPLEX		LS			7,605
UPGRADE MAINTENANCE HANGAR		SM	8,500	600	(5,100)
MECHANICAL EQUIPMENT ADDITION		SM	344	2,651	(912)
HANGAR DELUGE SYSTEM		SM	4,415	285	(1,258)
WET PIPE SPRINKLER SYSTEM		SM	3,940	85	(335)
SUPPORTING FACILITIES					3,250
UTILITIES		LS			(1,700)
CONTAMINATED SOIL REMEDIATION		LS			(600)
WATER STORAGE TANK		LS			(950)
SUBTOTAL					10,855
TOTAL CONTRACT COST					10,855
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)					706
TOTAL REQUEST					11,561
TOTAL REQUEST (ROUNDED)					11,600
10. Description of Proposed Construction: Repair hangar roof and floor. Replace electrical wiring, lighting, heating system, water supply line, and exterior doors. Install fire protection systems. Upgrade hangar doors. Install new gas line and boilers throughout. Includes soil remediation and all necessary support.					
11. REQUIREMENT: 48,417 SM ADEQUATE: 6,201 SM SUBSTANDARD: 32,508 SM PROJECT: Upgrade hangar complex. (Current Mission) REQUIREMENT: Upgrade hangar to meet current electrical codes, provide a fire suppression system meeting current life safety code, and a new, energy-efficient heating system which supports the base-wide conversion to gas heating. CURRENT SITUATION: The existing hangar was constructed in 1942. Functions housed in this facility include aircraft maintenance, squadron operations, maintenance shops, and administrative areas. The hangar has no fire suppression system, and the existing fire detection system is outdated. The electrical system does not meet current standards, the roof leaks and has no insulation, and the floor is cracked, causing a foreign object damage hazard. The existing water supply line cannot support a fire suppression system. The existing steam heating system is over 40 years old and will be replaced by natural gas heat. IMPACT IF NOT PROVIDED: The lack of a fire suppression system will continue to expose approximately 200 personnel and 11 fighter aircraft to the risk of loss by fire. Roof leaks, foreign object damage, and high energy consumption will continue to jeopardize mission capability. ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of options for meeting this requirement has been completed. Only one option					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		

3. INSTALLATION AND LOCATION
ELMENDORF AIR FORCE BASE, ALASKA

4. PROJECT TITLE UPGRADE HANGAR COMPLEX	5. PROJECT NUMBER FXSB983019
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meets operational requirements. therefore, a full economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: Col Showers, 907-552-4833. Upgrade Hangar Complex: 8,500 SM = 91,000 SF

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
ELMENDORF AIR FORCE BASE, ALASKA		
4. PROJECT TITLE		5. PROJECT NUMBER
UPGRADE HANGAR COMPLEX		FXSB983019
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		Design, Bid, Build
(1) Status:		
(a) Date Design Started		99 JAN 29
(b) Parametric Cost Estimates used to develop costs		Y
* (c) Percent Complete as of Jan 2000		15%
* (d) Date 35% Designed.		99 DEC 30
(e) Date Design Complete		00 AUG 15
(f) Energy Study/Life-Cycle analysis was/will be performed		Y
(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		696
(b) All Other Design Costs		348
(c) Total		1044
(d) Contract		944
(e) In-house		100
(3a) Construction Contract Award Date		00 DEC
(4) Construction Start		01 JAN
(5) Construction Completion		03 JAN
* 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		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM									2. DATE	
AIR FORCE		(computer generated)										
3. INSTALLATION AND LOCATION					4. COMMAND					5. AREA CONST		
DAVIS-MONTHAN AIR FORCE BASE, ARIZONA					AIR COMBAT COMMAND					COST INDEX 0.98		
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED				
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL	
a. As of 30 SEP 99		858	4996	1290				70	91	314	7,619	
b. End FY 2005		859	5000	1274				70	91	314	7,608	
7. INVENTORY DATA (\$000)												
a. Total Acreage: (10,633)												
b. Inventory Total As Of: (30 SEP 99) 1,445,356												
c. Authorization Not Yet In Inventory: 0												
d. Authorization Requested In This Program: 7,900												
e. Authorization Included In Following Program: (FY 2002) 17,600												
f. Planned In Next Three Program Years: 15,500												
g. Remaining Deficiency: 37,485												
h. Grand Total: 1,523,841												
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001												
CATEGORY												
<u>CODE</u>		<u>PROJECT TITLE</u>			<u>SCOPE</u>			<u>COST (\$000)</u>		<u>DESIGN STATUS</u>		
								<u>START</u>		<u>CMPL</u>		
740-674		FITNESS CENTER			4,760 SM			7,900		JAN 99 SEP 00		
					TOTAL:			7,900				
9a. Future Projects: Included in the Following Program (FY 2002)												
141-753		EC-130 SQUADRON OPERATIONS/AMU			3,561 SM			9,100				
721-312		DORMITORY (120 RM)			120 RM			8,500				
					TOTAL:			17,600				
9b. Future Projects: Typical Planned Next Three Years:												
141-821		AIRCRAFT RECLAMATION/PARTS PROCESS COMPLEX			4,200 SM			7,400				
721-312		DORMITORY (120 RM)			120 RM			8,100				
10. Mission or Major Functions: Headquarters 12th Air Force; a wing with two fighter training squadrons responsible for training all A/OA-10 aircrews; one A/OA-10 fighter squadron, two EC-130 electronic combat squadrons, and one EC-130 airborne command and control squadron; an Air Force Reserve HH-60 rescue squadron; an Air National Guard air defense flex site(F-16 aircraft); and Air Force Materiel Command's Aerospace Maintenance and Regeneration center. .												
11. Outstanding pollution and safety (OSHA) deficiencies:												
a. Air pollution:											0	
b. Water pollution:											0	
c. Occupational safety and health:											7,300,000	
d. Other Environmental:											0	
12. Real Property Maintenance Backlog This Installation										16,863		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
DAVIS-MONTHAN AIR FORCE BASE, ARIZONA		FITNESS CENTER		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
2.75.96	740-674	FBNV873005R5	7,900	

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FITNESS CENTER	SM	4,760		6,163
FITNESS CENTER	SM	3,360	1,481	(4,976)
INDOOR POOL	SM	1,400	848	(1,187)
SUPPORTING FACILITIES				1,300
UTILITIES	LS			(450)
PAVEMENTS	LS			(375)
SITE IMPROVEMENTS	LS			(350)
LANDSCAPING	LS			(125)
SUBTOTAL				7,463
TOTAL CONTRACT COST				7,463
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				425
TOTAL REQUEST				7,888
TOTAL REQUEST (ROUNDED)				7,900

10. Description of Proposed Construction: Two-story facility consisting of concrete footings, stem walls, and floor slab; concrete masonry walls, pitched metal roof, insulation, heating and air conditioning, all support utilities, fire detection and protection, restrooms, equipment and locker rooms, laundry, steam/sauna rooms, suspended track, handball/racquetball courts, parking, sidewalks, and landscaping.
Air Conditioning: 528 KW.

11. REQUIREMENT: 7,804 SM ADEQUATE: 2,601 SM SUBSTANDARD: 0
PROJECT: Construct Fitness center. (Current Mission).
REQUIREMENT: Fitness facilities are required to provide fitness, wellness, and aerobic areas for military, dependent and retired members. Adequate space is required for basketball/volleyball courts, racquetball courts, aerobic training areas, and physical conditioning space.
CURRENT SITUATION: The existing base gymnasium was built in 1968 and is no longer large enough to meet mission requirements. Steady increases in the base population have overloaded the current facility. A shortage of racquetball courts, aerobics training areas, and physical conditioning space forces patrons to stand in line and in many instances be turned away as the gym courts or aerobics room are full. There is a severe shortage of general physical conditioning space and equipment.
IMPACT IF NOT PROVIDED: The base fitness center will continue to be overcrowded and unavailable to large numbers of potential users. The situation will continue to have an unfavorable impact on morale and on the physical condition of military personnel who are required to maintain standards of weight and physical condition.
ADDITIONAL: This project meets the criteria/scope specified in Air Force

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA		
4. PROJECT TITLE FITNESS CENTER	5. PROJECT NUMBER FBNV873005R5	
<p>Handbook 32-1084, "Facility Requirements." Other alternatives considered during project development were not viable. New construction is the best alternative based on need, location, and functionality. An Economic Analysis was not performed. A Certificate of Exception has been prepared. BASE CIVIL ENGINEER: Lt Col Marshall Lounsberry (520) 228-3401. Fitness Center: 3,360 SM = 36,167 SF; Indoor Pool: 1,400 SM = 15,069 SF</p>		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
DAVIS-MONTHAN AIR FORCE BASE, ARIZONA		
4. PROJECT TITLE		5. PROJECT NUMBER
FITNESS CENTER		FBNV873005R5
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		Design, Bid, Build
(1) Status:		
(a) Date Design Started		99 JAN 26
(b) Parametric Cost Estimates used to develop costs		Y
* (c) Percent Complete as of Jan 2000		35%
* (d) Date 35% Designed.		99 DEC 15
(e) Date Design Complete		00 SEP 01
(f) Energy Study/Life-Cycle analysis was/will be performed		Y
(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		474
(b) All Other Design Costs		237
(c) Total		711
(d) Contract		592
(e) In-house		119
(3a) Construction Contract Award Date		01 JAN
(4) Construction Start		01 MAR
(5) Construction Completion		02 SEP
* 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		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND			5. AREA CONST COST INDEX				
LITTLE ROCK AIR FORCE BASE, ARKANSAS				AIR EDUCATION AND TRAINING COMMAND			0.85				
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		638	3758	757							5,153
b. End FY 2005		639	3805	756							5,200
7. INVENTORY DATA (\$000)											
a. Total Acreage: (6,898)											
b. Inventory Total As Of: (30 SEP 99) 8,867,156											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 17,060											
e. Authorization Included In Following Program: (FY 2002) 11,100											
f. Planned In Next Three Program Years: 5,308											
g. Remaining Deficiency: 15,000											
h. Grand Total: 8,915,624											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY											
CODE		PROJECT TITLE				SCOPE		COST (\$000)		DESIGN STATUS	
								START		CMPL	
141-753		C-130 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT				5,200 SM		7,960		JAN 99 SEP 00	
740-674		FITNESS CENTER				5,854 SM		9,100		JAN 00 APR 01	
						TOTAL:		17,060			
9a. Future Projects: Included in the Following Program (FY 2002)											
171-212		C-130J FLIGHT SIMULATOR FACILITY				3,285 SM		10,000			
921-177		C-130 DROP ZONE ADDITION				140 HA		1,100			
						TOTAL:		11,100			
9b. Future Projects: Typical Planned Next Three Years:											
130-142		FIRE/CRASH RESCUE STATION				3,100 SM		5,308			
10. Mission or Major Functions: An airlift wing with five C-130 squadrons conducting operations and training; only DoD C-130 training base; an AR ANG C-130 Airlift Wing; and an AFRC aerial port squadron.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:											20
b. Water pollution:											815
c. Occupational safety and health:											0
d. Other Environmental:											0
12. Real Property Maintenance Backlog This Installation										58,136	

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
AIR FORCE		(computer generated)			
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
LITTLE ROCK AIR FORCE BASE, ARKANSAS			C-130 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
4.18.96	141-753	NKAK003000	7,960		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
C-130 SQUADRON OPERATIONS/AMU					5,911
SQ OPS/AMU		SM	4,250	1,152	(4,896)
HQ GROUP FACILITY		SM	950	1,068	(1,015)
SUPPORTING FACILITIES					1,620
UTILITIES/COMM SUPPORT		LS			(315)
PAVEMENTS		LS			(530)
SITE IMPROVEMENTS		LS			(206)
DEMOLITION/ASBESTOS/LEAD PAINT REMOVAL		SM	3,450	78	(269)
SEISMIC/ELEVATOR		LS			(300)
SUBTOTAL					7,531
TOTAL CONTRACT COST					7,531
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					429
TOTAL REQUEST					7,960
TOTAL REQUEST (ROUNDED)					7,960
10. Description of Proposed Construction: Construct a one story facility with concrete foundation, masonry walls, structural steel frame, sloping roof system, and fire protection system, utilities and necessary support. Demolish seven facilities (3,450 SM). Air Conditioning: 703 KW.					
11. REQUIREMENT: As required. PROJECT: Construct a C-130 squadron operations/aircraft maintenance unit (Sq Ops/AMU) facility. (Current Mission) REQUIREMENT: This project is required to consolidate Air Mobility operational squadrons by collocating aircraft operators with aircraft maintainers. The consolidation relocates flyers and maintainers out of undersized and dispersed facilities into a functional and adequately sized structure to support 16 C-130 aircraft assigned to Little Rock AFB. The facility will support Sq Ops/AMU management support, briefing/debriefing flight planning, training and testing, flying/ground safety, tool rooms, bench stock, mobility office, technical order library, life support, standardization/evaluation, locker rooms, and scheduling. Project includes constructing a headquarters facility to replace the current facility which is in the way of construction. CURRENT SITUATION: Squadron operations and the aircraft maintenance units are dispersed among seven facilities. This physical separation creates fragmented lines of communication and authority. Aircrews and maintenance personnel must spend many hours away from their duty location in an effort to obtain parts, organizational and mobility equipment, and required training. The existing maintenance facilities were originally constructed in the mid 1950s. These facilities are inadequately sized and not					

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
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3. INSTALLATION AND LOCATION
LITTLE ROCK AIR FORCE BASE, ARKANSAS

4. PROJECT TITLE C-130 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT	5. PROJECT NUMBER NKAK003000
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properly configured to house the unified squadrons supporting the C-130s.
IMPACT IF NOT PROVIDED: Operations, maintenance, and support personnel will remain in severely undersized and physically separated buildings. Essential squadron operations and logistic functions will continue to require additional work-arounds that will degrade mission performance.
ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of reasonable options for accomplishing this project was done. It indicates new construction is the only option that will meet operational requirements. Because of this a full economic analysis was not performed. A certificate of exception has been prepared. BCE: Lt Col Drew Jeter, 501-987-3322. Squadron operations/AMU facility: 4,250SM = 45,757SF; Headquarters facility: 950SM = 10,226SF

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)	2. DATE
3. INSTALLATION AND LOCATION LITTLE ROCK AIR FORCE BASE, ARKANSAS		
4. PROJECT TITLE	C-130 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT	5. PROJECT NUMBER NKAK003000
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		Design, Bid, Build
(1) Status:		
(a) Date Design Started		99 JAN 26
(b) Parametric Cost Estimates used to develop costs		Y
* (c) Percent Complete as of Jan 2000		15%
* (d) Date 35% Designed.		99 JUN 15
(e) Date Design Complete		00 SEP 15
(f) Energy Study/Life-Cycle analysis was/will be performed		Y
(2) Basis:		
(a) Standard or Definitive Design -		
(b) Where Design Was Most Recently Used -		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		360
(b) All Other Design Costs		180
(c) Total		540
(d) Contract		415
(e) In-house		125
(3a) Construction Contract Award Date		01 MAY
(4) Construction Start		01 JUN
(5) Construction Completion		02 JUN
* 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		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
LITTLE ROCK AIR FORCE BASE, ARKANSAS			FITNESS CENTER		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
8.57.96	740-674	NKAK903003	9,100		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
FITNESS CENTER		SM	5,854	1,228	7,189
SUPPORTING FACILITIES					1,400
UTILITIES		LS			(540)
PAVEMENTS		LS			(345)
SITE IMPROVEMENTS		LS			(290)
DEMOLITION		LS			(200)
COMMUNICATION		LS			(25)
SUBTOTAL					8,589
TOTAL CONTRACT COST					8,589
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					490
TOTAL REQUEST					9,079
TOTAL REQUEST (ROUNDED)					9,100
10. Description of Proposed Construction: Reinforced concrete foundation and slab, sloped roof, and steel frame support with masonry exterior. Project includes HVAC, fire protection, utilities, and all necessary support. Functional areas include courts, indoor track, aerobic and weight rooms and administrative areas. Project includes demolition of one facility (2630 SM). Air Conditioning: 200 KW.					
11. REQUIREMENT: 5,854 SM ADEQUATE: 0 SUBSTANDARD: 2,650 SM PROJECT: Construct a physical fitness center to include Health and Wellness Center (Current Mission). REQUIREMENT: An adequate facility to conduct comprehensive and balanced programs for recreational sports, athletic training, and physical fitness is needed as an essential feature of the living and working environment of personnel on the Air Force base. Programs to be supported include aerobic, health, and nutritional training and recreational athletic programs. CURRENT SITUATION: The existing facility is not large enough to accommodate base personnel, especially females interested in participating in exercise/recreational programs. The gymnasium does not provide the required space to support the demand for basketball, volleyball, racquetball, weightlifting, wrestling, judo, karate, and other indoor recreational activities. The lack of adequate court and instructional class areas cause most programs to be restrictive in numbers and some programs cannot even be offered. The overall space limitation is discouraging and has a detrimental effect on the athletic program, which is the most important MWR program on Little Rock AFB. The current					

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated) --	

3. INSTALLATION AND LOCATION
LITTLE ROCK AIR FORCE BASE, ARKANSAS

4. PROJECT TITLE	5. PROJECT NUMBER
FITNESS CENTER	NKAK903003

mandatory aerobic testing is conducted in an overcrowded office area that does not maintain the required temperature level. The weight room is squeezed into a small area and is not conducive to proper conditioning work or safety. Due to numerous additions to the existing facility functional layout and access are poor and utilities are undersized for current loads.

IMPACT IF NOT PROVIDED: The physical conditioning environment will continue to be overcrowded and unsafe. Proper training and conditioning of personnel will not be met. Because there is a lack of nearby fitness centers, personnel will lose significant time and money commuting and paying dues to private alternative facilities. Without benefit of this quality-of-life initiative the Air Force will be hampered in its ability to attract and retain quality personnel.

ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of reasonable options for accomplishing this project was done. It indicates that new construction is the only option that will meet operational requirements. Because of this a full economic analysis was not performed.
BCE: Lt Col Drew Jeter, 501-987-3322. Fitness Center: 5854SM = 62,989SF

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCATION		
LITTLE ROCK AIR FORCE BASE, ARKANSAS		
4. PROJECT TITLE	5. PROJECT NUMBER	
FITNESS CENTER	NKAK903003	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		Design, Bid, Build
(1) Status:		
(a) Date Design Started		00 JAN 04
(b) Parametric Cost Estimates used to develop costs		Y
* (c) Percent Complete as of Jan 2000		%
* (d) Date 35% Designed.		00 APR 30
(e) Date Design Complete		01 APR 30
(f) Energy Study/Life-Cycle analysis was/will be performed		
(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		546
(b) All Other Design Costs		273
(c) Total		819
(d) Contract		683
(e) In-house		136
(3a) Construction Contract Award Date		01 JUN
(4) Construction Start		01 AUG
(5) Construction Completion		03 MAR
*		
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROGRAM									2. DATE	
AIR FORCE	(computer generated)										
3. INSTALLATION AND LOCATION						4. COMMAND			5. AREA CONST COST INDEX		
BEALE AIR FORCE BASE, CALIFORNIA						AIR COMBAT COMMAND			1.25		
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			
		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		324	2841	609				20	119	66	3,979
b. End FY 2005		324	2855	606				20	119	66	3,990
7. INVENTORY DATA (\$000)											
a. Total Acreage: (22,944)											
b. Inventory Total As Of: (30 SEP 99) 5,490,518											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 3,800											
e. Authorization Included In Following Program: (FY 2002) 6,000											
f. Planned In Next Three Program Years: 0											
g. Remaining Deficiency: 26,814											
h. Grand Total: 5,527,132											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY											
<u>CODE</u>		<u>PROJECT TITLE</u>				<u>SCOPE</u>		<u>COST (\$000)</u>	<u>DESIGN STATUS START</u>		<u>CMPL</u>
841-165		WATER TREATMENT PLANT AND DISTRIBUTION LINE				LS		3,800	JAN 99		SEP 00
							TOTAL:	3,800			
9a. Future Projects: Included in the Following Program (FY 2002)											
149-962		CONTROL TOWER				LS		6,000			
							TOTAL:	6,000			
9b. Future Projects: Typical Planned Next Three Years:											
10. Mission or Major Functions: A reconnaissance wing which includes two U-2 reconnaissance squadrons, one of which is responsible for training all U-2 aircrews; a Contingency Airborne Reconnaissance System (CARS); an Air Force Space Command missile warning squadron which operates one of the Phased Array Warning System (PAVE PAWS) radars; and an Air Force Reserve wing with KC-135 aircraft.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:										0	
b. Water pollution:										0	
c. Occupational safety and health:										0	
d. Other Environmental:										0	
12. Real Property Maintenance Backlog This Installation										22,333	

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
BEALE AIR FORCE BASE, CALIFORNIA			WATER TREATMENT PLANT AND DISTRIBUTION LINE		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)		
2.74.56	841-165	BAEY961005R1	3,800		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
WATER TREATMENT PLANT AND DISTRIBUTION LINE					3,543
WATER TREATMENT PLANT		LS			(3,318)
DISTRIBUTION LINE		LM	1,800	125	(225)
SUPPORTING FACILITIES					40
DEMOLISH EXISTING TREATMENT PLANT		LS			(40)
SUBTOTAL					3,583
TOTAL CONTRACT COST					3,583
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					204
TOTAL REQUEST					3,787
TOTAL REQUEST (ROUNDED)					3,800
10. Description of Proposed Construction: Construct a water treatment plant to comply with the safe drinking water standards regarding manganese and iron. Construct a new 1,800 meter distribution line to the existing 11.4 million liter storage tank. Demolish existing water treatment plant.					
11. REQUIREMENT: As required.					
PROJECT: Construct a water treatment plant and distribution line. (Current Mission)					
REQUIREMENT: This is a Level I environmental compliance requirement. Beale AFB has received five notices of violation (NOVs) for Total Coliform Rule (TCR) violations and is out of compliance with Article 16, Section 64449 of the California Code of Regulations (CCR Article 16) for exceeding the secondary standard Maximum Contaminant Level (MCL) for manganese (Mn). This project will remove manganese and iron and lower the associated chlorine demand, reduce the water residence time, eliminate TCR NOVs and allow Beale to comply with CCR Article 16.					
CURRENT SITUATION: To minimize residence time in the water distribution system and maintain chlorine residuals, the base flushes over 27,000 gallons/day of treated water from open fire hydrants into the storm sewers. This practice is wasteful and the base still receives NOVs for TCR violations. The base received one NOV within a 12 month period; four NOVs results in a monetary fine NOV and placement on the EPA Non-Compliance list. Mn levels average out of compliance with CCR Article 16. High Mn levels exert a high chlorine demand and cause brown-colored, staining water when treated with chlorine. Beale AFB currently adds a polymer to keep the Mn and Fe in solution in the distribution system. However, it is expensive (\$50,000/year) and does not maintain compliance with the standard. This project also brings Beale AFB into compliance					

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION BEALE AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE WATER TREATMENT PLANT AND DISTRIBUTION LINE	5. PROJECT NUMBER BAEY961005R1	
<p>with CCR Article 16 and eliminates the need for polymer addition, stops wasteful discharge of treated water, and complies with backflow prevention standards.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Long residence times will continue to result in reduced chlorine residuals, positive coliform results, and NOV's for violating the TCR. There is a high probability Beale AFB will receive a monetary NOV and be placed on the EPA Non-Compliance list. The base will continue to be out of compliance with CCR Article 16.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared. Base Civil Engineer: Lt Col Kevin Rumsey, (916) 634-2942. Transmission line: 1800LM = 5904LF</p>		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
AIR FORCE		
3. INSTALLATION AND LOCATION		
BEALE AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
WATER TREATMENT PLANT AND DISTRIBUTION LINE	BAEY961005R1	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		Design, Bid, Build
(1) Status:		
(a) Date Design Started	99 JAN 26	
(b) Parametric Cost Estimates used to develop costs	Y	
*(c) Percent Complete as of Jan 2000	35%	
*(d) Date 35% Designed.	99 DEC 10	
(e) Date Design Complete	00 SEP 01	
(f) Energy Study/Life-Cycle analysis was/will be performed	Y	
(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	228	
(b) All Other Design Costs	114	
(c) Total	342	
(d) Contract	285	
(e) In-house	57	
(3a) Construction Contract Award Date	01 JAN	
(4) Construction Start	01 MAR	
(5) Construction Completion	02 MAR	
* Indicates completion of Project Definition with Parametric		
Cost Estimate which is comparable to traditional 35% design		
to ensure valid scope and cost and executability.		
b. Equipment associated with this project will be provided from		
other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)								2. DATE	
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND				5. AREA CONST			
LOS ANGELES AIR FORCE BASE, CALIFORNIA				AIR FORCE MATERIEL COMMAND				COST INDEX 1.12			
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		25	71	12							108
b. End FY 2005		25	71	12							108
7. INVENTORY DATA (\$000)											
a. Total Acreage: (13)											
b. Inventory Total As Of: (30 SEP 99) 2,066,482											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 6,580											
e. Authorization Included In Following Program: (FY 2002) 25,000											
f. Planned In Next Three Program Years: 0											
g. Remaining Deficiency: 29,700											
h. Grand Total: 2,127,762											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY		PROJECT TITLE		SCOPE		COST (\$000)		DESIGN STATUS			
CODE								START	CMPL		
740-674	FITNESS CENTER			2,800 SM		6,580		TURN KEY			
TOTAL:						6,580					
9a. Future Projects: Included in the Following Program (FY 2002)											
610-128	CONSOLIDATED BASE SUPPORT			17,110 SM		25,000					
	COMPLEX										
TOTAL:						25,000					
9b. Future Projects: Typical Planned Next Three Years:											
10. Mission or Major Functions: The Space and Missile Systems Center (SMC) equips U. S. and allied forces with satellites and the systems to employ those satellites in support of global military operations. Conducts the research, development, and sustainment of U. S. military space systems. The center is the cradle-to-grave system manager of numerous weather, navigation, communication, surveillance satellite systems, ballistic missile defense systems, and space launch systems.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution: 115,000											
b. Water pollution: 0											
c. Occupational safety and health: 0											
d. Other Environmental: 0											
12. Real Property Maintenance Backlog This Installation 145											

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
AIR FORCE				
3. INSTALLATION AND LOCATION	4. PROJECT TITLE			
LOS ANGELES AIR FORCE BASE, CALIFORNIA	FITNESS CENTER			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
7.28.06	740-674	ACJP933005	6,580	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FITNESS CENTER	SM	2,800	1,740	4,872
SUPPORTING FACILITIES				1,341
UTILITIES	LS			(438)
PAVEMENTS	LS			(225)
SITE IMPROVEMENTS	LS			(125)
DEMOLITION	SM	1,850	150	(278)
ASBESTOS ABATEMENT	LS			(200)
COMMUNICATIONS SUPPORT	LS			(75)
SUBTOTAL				6,213
TOTAL CONTRACT COST				6,213
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				354
TOTAL REQUEST				6,567
TOTAL REQUEST (ROUNDED)				6,580
10. Description of Proposed Construction: Concrete foundation/slab, masonry walls, standing-seam pitched metal roof, utilities, landscaping, and all other necessary support. Includes multi-purpose ball court, racquet ball courts, weight rooms, rest rooms, lap pool, sauna, jacuzzi, exercise and training space, and wellness center. Demolish two facilities (1,850 SM). Air Conditioning: 350 KW.				
11. REQUIREMENT: 2,800 SM ADEQUATE: 0 SUBSTANDARD: 1,850 SM PROJECT: Fitness center. (Current Mission) REQUIREMENT: An adequate facility is required for the physical fitness of military personnel to support combat readiness and national emergencies and promote healthier lifestyles for military personnel and their families. Functional fitness centers improve quality of life by enhancing readiness, promoting good health, and providing recreation to help moderate the stresses of military life. Physical well-being and good morale, in part from exercise, team, and individual sports, contribute to developing the self-confidence and physical strength required during contingencies. CURRENT SITUATION: The existing inadequate facilities were converted to physical fitness centers on a piecemeal basis. The facilities are not configured to accommodate the physical exercise activities of the base population of over 1,950 military personnel and 2,687 dependents. Many people are turned away and the number of athletic programs are limited, despite optimum scheduling and the use of waiting lists. Due to the high cost of living in Los Angeles, access to private athletic facilities is not economically available to most assigned personnel.				

1. COMPONENT AIR FORCE	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION LOS ANGELES AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE FITNESS CENTER	5. PROJECT NUMBER ACJP933005	
<p><u>IMPACT IF NOT PROVIDED:</u> Facility shortcomings will continue to hamper physical conditioning and recreational programs, with negative impact on physical fitness and morale. Military personnel will have limited access to a physical fitness facility to maintain Air Force physical fitness standards required to support combat readiness and national emergencies.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in the Air Force Handbook 32-1084, "Facility Requirements." An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. Base Civil Engineer: Lt Col William Saunders, (310) 363-0287. Fitness Center: 2,800SM = 30,128SF.</p>		

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLATION AND LOCATION		
LOS ANGELES AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
FITNESS CENTER	ACJP933005	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Project to be accomplished by design-build procedures		
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Design Allowance		329
(3a) Construction Contract Award Date		00 DEC
(4) Construction Start		01 JUN
(5) Construction Completion		02 SEP
(6) Energy Study/Life-Cycle analysis was/will be performed		Y
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT		FY 2001 MILITARY CONSTRUCTION PROGRAM (computer generated)						2. DATE			
AIR FORCE											
3. INSTALLATION AND LOCATION				4. COMMAND			5. AREA CONST				
VANDENBERG AIR FORCE BASE, CALIFORNIA				AIR FORCE SPACE COMMAND			COST INDEX 1.20				
6. PERSONNEL		PERMANENT			STUDENTS			SUPPORTED			
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 99		576	2158	1016				68			3,818
b. End FY 2005		578	2078	1050				68			3,774
7. INVENTORY DATA (\$000)											
a. Total Acreage: (11,551)											
b. Inventory Total As Of: (30 SEP 99) 1,282,273											
c. Authorization Not Yet In Inventory: 0											
d. Authorization Requested In This Program: 4,650											
e. Authorization Included In Following Program: (FY 2002) 19,947											
f. Planned In Next Three Program Years: 20,900											
g. Remaining Deficiency: 65,473											
h. Grand Total: 1,393,243											
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2001											
CATEGORY		PROJECT TITLE				SCOPE		COST (\$000)		DESIGN STATUS	
<u>CODE</u>										<u>START</u> <u>CMPLE</u>	
841-161		UPGRADE WATER DISTRIBUTION SYSTEM				41,500 LM		4,650		TURN KEY	
						TOTAL:		4,650			
9a. Future Projects: Included in the Following Program (FY 2002)											
730-441		BASE EDUCATION CENTER				3,540 SM		8,300			
851-142		MISSILE TRANSPORT BRIDGE				750 LM		11,647			
						TOTAL:		19,947			
9b. Future Projects: Typical Planned Next Three Years:											
214-467		REFUELING VEHICLE MAINTENANCE SHOP				250 SM		1,000			
442-257		HAZARDOUS MATERIALS STORAGE FACILITY				1,850 SM		3,800			
740-674		FITNESS CENTER				5,051 SM		11,600			
740-884		CHILD DEVELOPMENT CENTER				1,900 SM		4,500			
10. Mission or Major Functions: Headquarters Fourteenth Air Force; a space wing with UH-1 aircraft; West Coast space launch and missile test operations; an Air Force Materiel Command detachment of the Space and Missile Systems Center; and an Air Education and Training Command space and missile training group.											
11. Outstanding pollution and safety (OSHA) deficiencies:											
a. Air pollution:								2,250,000			
b. Water pollution:								5,900,000			
c. Occupational safety and health:								100,000			
d. Other Environmental:								4,090,000			
12. Real Property Maintenance Backlog This Installation										89,745	

1. COMPONENT	FY 2001 MILITARY CONSTRUCTION PROJECT DATA			2. DATE
AIR FORCE	(computer generated)			
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
VANDENBERG AIR FORCE BASE, CALIFORNIA		UPGRADE WATER DISTRIBUTION SYSTEM		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)	
3.58.56	841-161	XUMU003005R	4,650	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE WATER DISTRIBUTION SYSTEM	LM	41,500		4,000
DISTRIBUTION LINES, 6"-10"	LM	30,000	72	(2,160)
SUPPLY LINES, 18"-24"	LM	11,500	160	(1,840)
SUPPORTING FACILITIES				394
PAVEMENTS	LS			(25)
SITE RESTORATION	LS			(21)
VALVES	EA	350	300	(105)
FIRE HYDRANTS	EA	180	1,350	(243)
SUBTOTAL				4,394
TOTAL CONTRACT COST				4,394
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)				250
TOTAL REQUEST				4,644
TOTAL REQUEST (ROUNDED)				4,650
10. Description of Proposed Construction: Upgrade water supply and distribution lines in the main cantonment area of Vandenberg AFB. Includes all necessary pipelines, valves, backflow devices, blow-off and air release valves, fire hydrants, cathodic protection, appurtenances, and associated road repairs. Abandon existing system in place as necessary.				
11. REQUIREMENT: As required. PROJECT: Upgrade water distribution system. (Current Mission) REQUIREMENT: This is a Level 1 Environmental Compliance requirement. Vandenberg AFB does not meet CA Title 22, Sections 64654 and 64656 of California's safe drinking water act. Title 22 mandates that the maximum contaminant level must be less than one positive sample per every 40 samples in public water systems. Additionally, a detectable disinfectant residual of 0.2 milligrams per liter must be maintained throughout 95 percent of the system. CURRENT SITUATION: The water distribution system in the main cantonment area of the base was originally constructed in 1943. Since then, over 80 percent of the WWII facilities have been demolished, but the water system serving these sites remains largely active but unused causing stagnation. The network of randomly capped, abandoned and underutilized water supply lines provide recesses within the system where drinking water stagnates. This stagnation leads to loss of disinfectant residual and violates CA Title 22. Lack of disinfectant has led to bacteria growth exceeding the state bacteriological standards of 0.2 mg/l. Degradation of chloramine disinfectant during stagnation releases nutrients that certain types of bacteria thrive on, further violating CCR Title 22. Multiple line breaks in 1996 and 1997 resulted in positive bacteriological samples that led to a notice of violation (NOV) in 1997.				