



AIR NATIONAL GUARD
Fiscal Year (FY) 2005
BUDGET ESTIMATES
VOLUME II – DATA BOOK

APPROPRIATION 3840
OPERATION AND MAINTENANCE
FEBRUARY 2004

OPERATION AND MAINTENANCE, AIR NATIONAL GUARD

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Volume II - Data Book

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ADVISORY AND ASSISTANCE SERVICES
 OPERATION AND MAINTENANCE, AIR NATIONAL GUARD
 (\$ in Thousands)

<u>Appropriation</u>	<u>FY 2003 Actual</u>	<u>FY 2004 Estimate</u>	<u>FY 2005 Estimate</u>
<u>Operation and Maintenance, Air National Guard</u>	<u>\$ 9,375</u>	<u>\$ 5,734</u>	<u>\$ 5,871</u>
I. Management & Professional Support Services	0	0	0
II. Studies, Analysis & Evaluations	0	0	0
III. Engineering & Technical Services	9,375	5,734	5,871
Total	\$ 9,375	\$ 5,734	\$ 5,871

Narrative Explanation of Changes: FY 2004 to FY 2005 change is attributed to price growth on existing advisory and assistance services contracts

DEPOT MAINTENANCE PROGRAM SUMMARY
OPERATION AND MAINTENANCE, AIR NATIONAL GUARD

PART I - Funded Requirements:	FY 2003 Actual Funded Requirement		FY 2004 Estimate Funded Requirement		FY 2005 Estimate Funded Requirement	
	<u>Units</u>	<u>\$ Thous</u>	<u>Units</u>	<u>\$ Thous</u>	<u>Units</u>	<u>\$ Thous</u>
<u>AIRCRAFT</u>						
Airframe Maintenance	87	465,917	68	395,041	62	396,471
Engine Maintenance	229	196,015	164	190,241	159	235,077
Aircraft Storage		390		824		419
<u>OTHER</u>						
Other Major Equip Items		11,044		24,606		32,471
Depot Level Repairables		4,512		5,779		10,799
Area Support		666		900		1,410
Depot Surcharge		6,996				
GRAND TOTAL	316	685,540	232	617,391	221	676,647

<u>PART II - Deferred Requirements:</u>	FY 2003 Actual <u>Deferred Requirement</u>		FY 2004 Estimate <u>Deferred Requirement</u>		FY 2005 Estimate <u>Deferred Requirement</u>	
	<u>Units</u>	<u>\$ Thous</u>	<u>Units</u>	<u>\$ Thous</u>	<u>Units</u>	<u>\$ Thous</u>
<u>AIRCRAFT</u>						
Airframe Maintenance	1	3,366	24	199,333	31	208,140
Engine Maintenance	0	0	16	20,599	21	33,277
<u>OTHER</u>						
Other Major Equip Items		0		9,674		7,378
Depot Level Repairables		0		6,991		2,439
Area Support		0		0		1,197
GRAND TOTAL	1	3,366	40	236,597	52	252,431

SUMMARY OF FUNDS BUDGETED FOR ENVIRONMENTAL PROJECTS
OPERATION AND MAINTENANCE, AIR NATIONAL GUARD
(\$ in Thousands)

<u>Operation and Maintenance, Air National Guard</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>Change</u>
	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>FY04/05</u>
Environmental Quality – TOTAL	\$20,430	\$24,977	\$30,899	\$+ 5,922
1. Recurring Costs – Class 0				
a. Manpower	1,858	7,872	13,048	+ 5,176
b. Education and Training	333	855	842	- 13
2. Environmental Compliance - Recurring Costs (Class 0)				
a. Permits and Fees	184	174	167	- 7
b. Sampling, Analysis, Monitoring	1,065	919	1,027	+ 108
c. Waste Disposal	1,548	1,379	1,232	- 147
d. Other Recurring Costs	1,258	1,011	1,129	+ 118
3. Pollution Prevention - Recurring Cost (Class 0)	296	539	521	- 18
4. Environmental Conservation - Recurring Cost (Class 0)	1,953	219	205	- 14
Total Recurring Costs	\$8,495	\$12,968	\$18,171	\$+ 5,203

JUSTIFICATION:

Compliance-Other Recurring Costs: Supplies (Spills Team equipment/supplies, labels, drums, manifests, etc.); travel, operating/maintaining equipment to support program including normal maintenance (e.g. air scrubbers, forklifts for hazardous waste storage facility, etc.); National Pollution Discharge Elimination System (NPDES) permit record/reporting; bi-annual hazardous waste reporting (Resource Conservation and Recovery Act Subtitle C); Clean Air Act inventories/reporting; Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) records; self-assessments (each year internally and one every three years externally).

Pollution Prevention – Recurring (Class 0): Supplies; data management; O&M for equipment, recycling, composting facilities; recurring reporting (e.g. Emergency Planning and Community Right-to-Know Act, Executive Order 12873).

Conservation – Recurring Costs: Brochure/fact sheet reproduction, airspace video updates, wetland monitoring, and endangered species monitoring.

SUMMARY OF FUNDS BUDGETED FOR ENVIRONMENTAL PROJECTS
OPERATION AND MAINTENANCE, AIR NATIONAL GUARD
(\$ in Thousands)

<u>Operation and Maintenance, Air National Guard</u>	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>Change</u>
	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>FY 04/05</u>
5. Environmental Compliance – Non Recurring (Class I)				
a. RCRA Subtitle C – Hazardous Waste	1,161	736	821	+ 85
b. RCRA Subtitle D - Solid Waste	0	0	0	0
c. RCRA Subtitle I – Underground Storage Tanks	387	184	205	+ 21
d. Clean Air Act	871	1,103	1,232	+ 129
e. Clean Water Act	2,226	2,850	3,285	+ 435
f. Planning	2,014	1,506	1,411	- 95
g. Other	774	368	513	+ 145
h. SWDA	387	644	821	+ 177
i. Total - Non Recurring (Class I)	7,820	7,391	8,288	+ 897

JUSTIFICATION:

Compliance – Other Non-Recurring Costs: Radon/asbestos investigations and mitigation including facility demolition (if >50% cost for asbestos removal is required to meet environmental standards); upgrade drinking water systems to meet environmental regulatory standards; develop well head protection programs; Safe Drinking Water Act (SDWA) compliance, e.g. install backflow prevention; spill response/clean (other than Defense Environmental Restoration Program requirements in Format E-7); and upgrade pesticide storage facilities to meet regulatory standards.

6. Pollution Prevention (Non Recurring (Class I)

a. RCRA Subtitle C – Hazardous Waste	501	787	682	- 105
b. RCRA Subtitle D – Solid Waste	68	124	120	- 4
c. Clean Air Act	205	580	562	- 18
d. Clean Water Act	91	166	160	- 6
e. Hazardous Material Reduction	933	1,450	1,404	- 46
f. Other	182	497	562	+ 65
g. Total - Non Recurring (Class I)	1,980	3,604	3,490	- 114

SUMMARY OF FUNDS BUDGETED FOR ENVIRONMENTAL PROJECTS
 OPERATION AND MIANTENANCE, AIR NATIONAL GUARD
 (\$ in Thousands)

JUSTIFICATION:

Pollution Prevention – Non Recurring: a. Increase in requirements from Opportunity Assessments/Compliance Site Inventories; b. Resource Conservation and Recovery Act (RCRA) Subtitle D – requirements to comply with Subtitle D and to reduce/recycle solid waste under EO 12873; c. Clean Air Act - requirements to comply with Clean Air Act which include Ozone Depleting Substance but not Alternative Fueled Vehicles (AFVs); d. Clean Water Act – requirements to comply with CWA and storm water pollution prevention plans; e. Haza rdous Material Reduction – requirements to plan, identify, prioritize, test and evaluate pollution prevention alternatives except for Ozone Depleting Substances, and requirements to meet hazardous waste and pollutant reduction goals (50% Toxic Release Inventory or 50% hazardous waste); Increase in requirements for Opportunity Assessments/ Compliance Site Inventories; f. Other – requirement to test and evaluate alternative fuel vehicles (excludes AFV purchases), and to convert conventional fuel vehicles to alternative fuel if sufficient Original Equipment Manufacturer Alternative Fueled Vehicles to meet requirements are unavailable.

	<u>FY 2003</u> <u>Estimate</u>	<u>FY 2004</u> <u>Estimate</u>	<u>FY 2005</u> <u>Estimate</u>	<u>Change</u> <u>FY 04/05</u>
7. Environmental Conservation – Non Recurring (Class I)				
a. T&E Species	976	82	77	-5
b. Wetlands	122	27	26	-1
c. Other Natural Resources	366	411	385	-26
d. Historical and Cultural Resources	671	494	462	-32
h. Total - Non Recurring (Class I)	2,135	1,014	950	-64

JUSTIFICATION:

Conservation – Non Recurring (Class I) a: Threatened & Endangered Species – species and habitat inventories; biological assessments, surveys, or habitat protection for a specific listed species; mitigation to meet existing biological opinions/written agreements; developing Endangered Species Management Plans; b. Wetlands – inventory and delineation; wetlands mitigation to meet permit conditions/written agreements; enhancements to meet EO 11990 provision for “no net loss”; c. Other Natural Resources – baseline inventories; environmental analyses to assess and mitigate potential adverse actions to natural resources; nonpoint source pollution prevention or watershed management studies/actions; develop integrated natural resources management plans; develop other biological resource management plans; biodiversity conservation requirements; ecosystem management requirements; habitat restoration; public awareness/outreach related to specific legal requirements; d. Historical and Cultural Resources – baseline inventories of historic buildings and structures, and historical and archeological sites; environmental analyses to assess and mitigate potential cultural resource adverse actions; mitigations to meet permit conditions or written agreements; initial archeological materials curation; develop integrated cultural resources management plans; and consultations with Native American groups.

MAINTENANCE OF REAL PROPERTY FACILITIES
OPERATION AND MAINTENANCE, AIR NATIONAL GUARD
(\$ in Thousands)

	FY 2003 <u>Actual</u>	FY 2004 <u>Estimate</u>	FY 2005 <u>Estimate</u>
1. <u>Funded Program</u>			
a. <u>Category of Work</u>			
(1) Sustainment	\$ 90,133	\$ 123,815	\$ 144,733
(2) Restoration & Modernization Projects	109,048	48,881	85,909
(3) Demolition	2,900	0	0
Total	\$ 202,081	\$ 172,696	\$ 230,642
b. <u>Budget Activity</u>			
Operating Forces	\$ 202,081	\$ 172,696	\$ 230,642
c. <u>Staffing (end strength)</u>			
Military Personnel	0	0	0
Civilian Personnel	0	0	0
2. Annual Deferred Sustainment	\$ 74,477	\$ 31,050	\$ 12,445

MAINTENANCE OF REAL PROPERTY FACILITIES
 OPERATION AND MAINTENANCE, AIR NATIONAL GUARD
 (\$ in Thousands)

3. <u>Facility Category</u>	FY 2003	Funded Program (Dollars in Millions)	FY 2005
	<u>Actual</u>	FY 2004 <u>Estimate</u>	
Operations and Training	\$ 94.9	\$ 82.8	\$ 110.7
Maintenance and Production	31.4	55.5	74.1
Research, Development, Test and Evaluation	0	0	0
Supply	6.9	12.7	17.0
Hospital and Medical	0	0	0
Administrative	.6	3.0	3.9
Family Housing	0	0	0
Unaccompanied Personnel Housing	0	0	0
Community Support	22.3	2.9	3.7
Utilities and Ground Improvement	46.0	15.8	21.2
Total	\$ 202.1	\$ 172.7	\$ 230.6

Fiscal Year 2003

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
AK	Ted Stevens Anchorage IAP	Pave Security Road, East Perimeter	576
<u>Justification:</u> Gravel road along base perimeter is impassible during Alaskan fall and spring transition seasons; mud and melting snow make security patrols difficult. Project paves roads.			
AK	Ted Stevens Anchorage IAP	Pave POV Parking Lot	623
<u>Justification:</u> The main parking area serving four buildings at the 176 WG is unpaved, unmarked and requires storm drainage improvements. Project paves & stripes the parking lot, constructs storm drainage, and curbs and gutters.			
AK	Ted Stevens Anchorage IAP	Reconfigure Main Gate	1,065
<u>Justification:</u> Provides adequate plumbing, lighting, barriers or line of sight to support force protection requirements at the main entrance security gate to the installation. Improvements are needed to protect installation personnel, assets and mission.			
AL	Montgomery Regional Airport	Repair Composite Squadron Operations Facility	1,446
<u>Justification:</u> Repairs roof, replaces mechanical systems, replaces windows, expands electrical system and renovates interior to meet current mission, personnel training and administrative requirements.			
AR	Ft Smith Municipal Airport	Replicate Parking Lots/Relocate Road	763
<u>Justification:</u> Repairs flightline security fence and gates. Replicates parking lots and relocates road to meet antiterrorism force protection standoff criteria.			
AR	Ft Smith Municipal Airport	Repair Dining Hall/Support Training Area/Add to Dining Hall	1,721
<u>Justification:</u> Constructs addition to Dining Hall and repairs interior walls and utilities. Upgrades Dining Hall to current building and safety and health codes to support current mission requirements.			
CA	Channel Islands ANG Station	Repair Aircraft Parking Ramp	14,584
<u>Justification:</u> Repairs severely damaged aircraft apron concrete, installs drainage and grounding rods, replaces pavement markings for aircraft traffic, and installs new asphalt shoulders to support current C-130 operations.			

Fiscal Year 2003

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
CA	Fresno Yosemite IAP	Repair/Construct Avionics and Engine Shop Facility	2,697
<u>Justification:</u> Mission capabilities are diminished by a 40 percent facility shortfall. Current facility configuration requires significant workarounds that negatively affect personnel and equipment.			
CA	Fresno Yosemite IAP	Construct and Repair ASE Shop and Storage	1,164
<u>Justification:</u> Constructs addition and repairs shop areas for Aircraft Support Equipment (ASE). Current functions are operating in a facility that is less than 60 percent of their facility requirements.			
CA	March Air Reserve Base	Repair Mechanical System for ANG Complex	1,076
<u>Justification:</u> Repairs the air conditioning systems serving four facilities of the KC-135 wing by replacing the existing direct expansion chillers with a shared chilled water system to improve efficiency and effective cooling.			
CO	Buckley Air Force Base	Repair Fuel Cell/Corrosion Control	984
<u>Justification:</u> Upgrades the mechanical systems to support F-16 maintenance functions; upgrades the electrical service to meet current electrical codes, and provides foam fire suppression system.			
CO	Buckley Air Force Base	Maintain Parking Ramp (West)	973
<u>Justification:</u> Repairs portions of the main ramp pavement system which have failed; removes and replaces all joint sealant and paints taxi lanes and parking spots for assigned and transient aircraft.			
CO	Buckley Air Force Base	Repair Taxiway B,C,X,Y,G,W Pavements	614
<u>Justification:</u> Repairs taxiway pavements that have failed and where water infiltration continues to cause additional cracks and upheaval. Pavements must be repaired to prevent debris from damaging aircraft engines.			
CO	Buckley Air Force Base	Relocate Parking Lots	689
<u>Justification:</u> Replaces vehicle parking, roadway, lighting and storm drainage to comply with new force protection requirements. Removes existing parking.			

Fiscal Year 2003

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
CO	Buckley Air Force Base	Construct Airfield Security Fence	712
<u>Justification:</u> Replaces perimeter and constructs security fences that have seriously deteriorated with age and are necessary to designate installation boundaries and secure mission assets. Perimeter and security fences are necessary to help meet force protection requirements.			
CO	Buckley Air Force Base	Repair/Maintain Airfield Runway Pavements	4,123
<u>Justification:</u> Repairs airfield pavements necessary to support the F-16 mission. Existing pavements have failed from deterioration, upheaval and cracking and require repair to reduce the risk of aircraft engine damage.			
DE	New Castle County Airport	Construct Base Road (AT/FP)	892
<u>Justification:</u> Realigns existing curved roadway section, selected parking and sidewalk pavements and drainage to comply with new force protection standards. New road will meet the required stand-off distances and straighten dangerous curves.			
FL	Jacksonville IAP	Repair Roofs - Wing HQ, Supply, & Clinic	1,200
<u>Justification:</u> Repairs roof system with new retrofit framing metal roof system and wall panels. Raises exhaust fans to provide the Supply, Wing Headquarters and Clinic a waterproof facility. The existing built-up roofs are currently leaking.			
FL	Jacksonville IAP	Maintain/Repair Airfield Pavements	832
<u>Justification:</u> Replaces selected slabs of the airfield pavements and repair pavement shoulders. Reseals all joints and cracks to support fighter operations.			
HI	Hickam Air Force Base	Install Fire Protection System, Base Supply - Building 3415	659
<u>Justification:</u> Installs a fire detection and suppression system in the Base Supply warehouse to meet National Fire Protection Association and host base requirements. Installs water main to provide water service.			
IA	Sioux Gateway Airport/Col Bud Day Field	Repair Headquarters Facility - HVAC	655
<u>Justification:</u> The existing boiler and chiller are in constant need of repair and are over 30 years old. Energy consumption is higher than it should be due to the outdated equipment. The existing heating and cooling system has no capability for fresh air or make-up air to get to room occupants.			

EXHIBIT OP-28P

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Fiscal Year 2003

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
ID	Boise Air Terminal	Repair Airfield Pavements	829
<u>Justification:</u> Repairs deteriorated airfield pavements and corrects the water infiltration condition that causes pavement upheaval and cracking. Repairs joint damage. This broken pavement is a serious threat to damage aircraft engines.			
IL	Capital Municipal Airport	Construct Permanent Magazine Storage Area	559
<u>Justification:</u> Base requires adequate and safe munitions storage magazine space in support of 15 PAA F-16 aircraft. Current base munitions storage facilities are inadequate and do not comply with munition storage requirements.			
IL	Greater Peoria Regional Airport	Replicate Parking Lots	538
<u>Justification:</u> Current parking at several base locations violate minimum DoD required set back distances. A threat to base facility occupants exists due to potential for a car bomb to be parked next to occupied facilities. Replicating base parking spaces will bring base parking into compliance with DoD regulations.			
KS	Forbes Field	Repair Taxiway C (MCCA)	1,501
<u>Justification:</u> Repairs existing taxiway due to severe cracking, upheaval and joint deterioration. The repair of this pavement is critical to prevent damage to aircraft engines.			
KS	Forbes Field	Construct Security Fence and Gates	558
<u>Justification:</u> Improves existing security fence with concrete reinforcement, upgrades vehicle/pedestrian access gates, and installs emergency-call stations at the airfield boundary to meet force protection standards.			
KS	Forbes Field	Modify and Construct New Parking	628
<u>Justification:</u> Builds new non-organizational parking to eliminate parking that does not meet force protection standards. Parking will be combination asphalt and concrete.			
KS	McConnell Air Force Base	Relocate Fence and Repair Parking	723
<u>Justification:</u> Relocates security fences to meet current force protection standards. Minor repair of pavements will extend life and minimize future repairs.			

Fiscal Year 2003

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
KS	McConnell Air Force Base	Repair Building 44 for Intelligence Exploitation Squadron	1,905
<u>Justification:</u> Convert flight simulator building to support new intelligence exploitation mission. Current facility layout does not meet the requirements of the new mission.			
LA	England	Add/Repair Supply and Equipment Warehouse 804	635
<u>Justification:</u> Constructs addition and repairs existing facility to provide administrative and supply space needed for air traffic control. The existing supply facility is not adequate to support the existing size of the unit nor the storage requirement for the new mission's supplies and equipment.			
LA	Naval Air Station Joint Reserve Base	Repair Manhole Duct System	545
<u>Justification:</u> Existing communications cabling systems is outdated. Approximately 30 percent of the cables are not functional due to breakage and attenuation losses. The current system has reached the end of its operational life.			
MD	Andrews Air Force Base	Repair/Maintain Airfield Pavements	745
<u>Justification:</u> Repairs and removes deteriorated concrete apron slabs and various asphalt pavements on the aircraft parking apron and taxiway. Repairs spalls, seals joints and cracks to maintain taxiways and aircraft aprons free of debris that can damage aircraft.			
MD	Martin State Airport	Add/Repair Security Forces Building	893
<u>Justification:</u> The existing facility is undersized for the current mission. This project repairs the existing facility and provides an addition to bring the facility up to the authorized size.			
ME	Bangor IAP	Alter Main Gate	722
<u>Justification:</u> The current configuration of the gate does not meet current force protection requirements. This project constructs a new gate house and additional traffic lanes as well as a vehicle inspection area.			
MI	Alpena County Regional Airport	Upgrade Base Main Entrance	708
<u>Justification:</u> Installs additional lighting and barriers to reduce vulnerability to damage and compromise to base personnel and assets. Entrance proximity to local traffic requires upgrade of force protection measures.			

Fiscal Year 2003

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
MI	Selfridge Air National Guard Base	Repair Hangar Access Concrete Pavement	668
<u>Justification:</u> Repairs slabs, cracks, pavement joints and holes that affect aircraft maneuverability and endangers aircraft engines.			
MI	W. K. Kellogg Airport	Upgrade Composite Maintenance Facility - Building 6901	3,061
<u>Justification:</u> Base requires a weapons load crew training facility and a properly sized/sited organizational maintenance facility for aircraft personnel. This facility has the space and will provide for both functions.			
MS	Gulfport - Biloxi Regional Airport	Upgrade Community Support Facility	1,172
<u>Justification:</u> The Combat Readiness Training Center at Gulfport does not have a community support facility (fitness training center, education center, recreation center) for approximately 20,000 reserve and active personnel per year. The comprehensive repair project converts an existing 1954 facility.			
MS	Key Field	Repair Operational Training Facility	2,010
<u>Justification:</u> Completes interior and exterior renovation to include roof replacement and upgrade of utilities and fire protection systems to current code. Interior spaces are improperly configured for current mission requirements.			
ND	Hector IAP	Add To and Alter Composite Dining Hall/Services Facility	1,326
<u>Justification:</u> Constructs an addition to the dining facility in order to more efficiently serve personnel. Upgrades and renovations are necessary for the Services Flight to accomplish expanding mission duties.			
NH	Pease International Tradeport	Repair/Alter Air Traffic Control Tower	568
<u>Justification:</u> The addition and alterations are needed to eliminate critical facility shortfalls which include inadequate electrical support, improperly sized and number of lavatories, and training rooms.			
NJ	McGuire Air Force Base	Repair Roof Base Supply	684
<u>Justification:</u> Over 30 percent of the roof area has been identified with water damage. This project replaces the roof.			

Fiscal Year 2003

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
NM	Kirtland Air Force Base	Repair Aircraft Maintenance Hangar, Building 1043	690
<u>Justification:</u> Repairs interior/exterior, replaces doors and windows, replaces mechanical systems, and weather tightens facility to improve the mission capability, energy efficiency and minimize extensive maintenance requirements.			
NM	Kirtland Air Force Base	Construct Addition to Security Forces Ops and Tng Facility	740
<u>Justification:</u> Security Forces work in facilities at 56 percent of their authorized space. This project provides additional work space and mobility storage space.			
NV	Reno-Tahoe IAP	Restore/Modernize Base Engineer Maintenance Facility	1,601
<u>Justification:</u> Reconfigures existing space to accommodate Disaster Preparedness and upgrades the roof, utilities and interior finishes for the shop and administrative spaces of the Base Civil Engineer Maintenance Facility.			
NY	Francis S. Gabreski Airport	Repair Maintenance Hanger (Avionics)	1,125
<u>Justification:</u> Repairs leaky roof and upgrade electrical and mechanical systems and plumbing fixtures. Repairs are necessary to bring the maintenance facility to acceptable building standards.			
NY	Niagara Falls IAP	Repair Squadron Operations	1,030
<u>Justification:</u> Multiple changes in mission requirements have created functions with inefficient and deteriorated spaces. Repairs include complete interior and exterior renovation, roof replacement, upgrade of utilities to current codes, and security enhancements.			
NY	Schenectady Municipal Airport	Add/Repair Operations and Training Facility	886
<u>Justification:</u> Builds an addition to relocate Operations and Training functions currently located in multiple undersized facilities. Repair work includes interior reconfiguration and updating existing electrical, mechanical, and plumbing systems.			
NY	Schenectady Municipal Airport	Repair Base Civil Engineer Facility	736
<u>Justification:</u> Reconfigures and repairs existing Base Civil Engineering facility to include updating of mechanical and electrical systems, plumbing fixtures, and fire protection systems to current codes.			

Fiscal Year 2003

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
NY	Schenectady Municipal Airport	Relocate Gate and Access Roads	604
<u>Justification:</u> Realignment of county access roads leave the current base entry improperly sited. New entry will be relocated, properly sized, include a vehicle search area, and will meet current force protection requirements.			
OH	Rickenbacker IAP	Reconfigure Front Entrance	654
<u>Justification:</u> Provide adequate gate house and inspection area with proper utility systems, pavements, lighting and fencing to support force protection requirements at the main security gate to the installation. Improvements are needed to protect installation personnel, assets and mission.			
OH	Rickenbacker IAP	Repair Maintenance Hangar, Bldg 885	575
<u>Justification:</u> Installs fire suppression system to include support facilities in aircraft maintenance hangar, building 885, to meet current fire protection standards. Installs an emergency egress for personnel in mezzanine area.			
OH	Rickenbacker IAP	Repair Maintenance Hangar, Bldg 888	543
<u>Justification:</u> Installs fire protection and suppression system in the Aircraft Maintenance Hangar in support of the KC-135 refueling mission.			
OH	Rickenbacker IAP	Relocate Small Gas Turbine Repair Shop	562
<u>Justification:</u> Constructs masonry addition with necessary utility systems and communications for aerospace support equipment in Hangar 888. Repairs existing space in building 885 to support new Small Gas Turbine Repair Shop.			
OK	Tulsa IAP	Replicate Base Parking	697
<u>Justification:</u> Replicates 280 parking spaces including curbs and gutters and storm drainage to meet current force protection standards.			
OR	Klamath Falls Airport-Kingsley Field	Alter Air Traffic Control Facility	1,527
<u>Justification:</u> Alters vehicle maintenance facility to house Air Traffic Control Squadron. Facility will require complete renovation to properly configure building to train air traffic controllers and house wartime tasked mobility equipment.			

Fiscal Year 2003

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
OR	Klamath Falls Airport-Kingsley Field	Repair Dining Hall	1,099
<u>Justification:</u> Repairs include wall surfaces, food preparation areas, drop ceiling with light fixtures, carpeting, quarry tile, new power circuits, utility systems, doors, windows and, removal of asbestos.			
RI	Quonset State Airport	Repair Squadron Operations Building 7	1,866
<u>Justification:</u> The current facility is approximately 25 years old and cannot handle the requirements of the change in mission to C-130J aircraft. This project repairs interior partitions, utilities, ceilings, and floors and replaces the roof to alleviate further water infiltration and damage.			
SC	McEntire ANG Station	Satellite Downlink Facility-Eagle Vision	623
<u>Justification:</u> Constructs masonry building with necessary administrative space, utility systems and sitework for satellite downlink operations in support of Air Force mission for a deployable satellite ground station unit.			
SD	Joe Foss Field	Repair Aircraft Arresting System Pits	1,296
<u>Justification:</u> The runway has an aircraft arresting system which infringes on the FAA set-back requirements. The system is too close to the runway. Widens the arm/dearm pad to permit aircraft to taxi around others already located on the pad.			
TN	Alcoa ANG Station	Repair 119th for Space Mission/ROSC	1,115
<u>Justification:</u> Replaces existing finishes and utilities with effective and efficient systems as needed to support the required change in facility use from an air control to space command facility.			
TN	McGhee Tyson Airport	Increase Comm Duct Capacity and Maintain Base Streets	1,375
<u>Justification:</u> Repairs main roadways and parking areas. Replaces pavement joints and install duct bank for communications system prior to paving. Provides capability for current and future mission requirements.			
TN	McGhee Tyson Airport	Bank Erosion Control (TEC)	560
<u>Justification:</u> Repairs/stablizes existing cut slopes which range in height from approximately 15 to 40 feet. The steeper portions of the slope are experiencing erosion and slope instability, resulting in sloughing of the slope face and siltation of the existing storm drainage system.			

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<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
TN	McGhee Tyson Airport	Repair Dining Hall/Medical Training Building 420	685
<u>Justification:</u> Constructs addition to the Dining and Medical Training facilities to support the Training and Education Center. The facilities are undersized and require additional space to support the mission. Repairs to existing structures are required in conjunction with this project.			
TN	McGhee Tyson Airport	Replicate Parking, 170 spaces	613
<u>Justification:</u> Constructs vehicle parking, lighting, and sidewalk. Removes parking adjacent to high occupancy buildings per anti-terrorism construction standards. Reroutes driveway and parking next to dormitories.			
TN	McGhee Tyson Airport	Repair Operations and Training Facility, B134	840
<u>Justification:</u> Replaces mechanical and electrical systems to meet climate control standards. Upgrades electrical system to meet current standards. Repairs by replacement doors, windows, lights, exhaust system, and interior finishes to current fire and safety standards.			
TN	Memphis IAP	C-5 Expand Apron at Taxiway	616
<u>Justification:</u> C-5 Mission conversion requires extension of the apron to beddown C-5 aircraft. Project includes extending the existing apron along one side to meet airfield requirements.			
VA	Richmond IAP	Aircraft Shelter 1	692
<u>Justification:</u> Provides a properly sized and configured facility for the sheltering of combat loaded aircraft on alert status for Operation Noble Eagle. Fighter aircraft are parked on exposed taxiways/aprons. The aircraft require protection from the elements to be ready for launch regardless of weather.			
VA	Richmond IAP	Aircraft Shelter 2	692
<u>Justification:</u> Fighter aircraft in alert status for Operation Noble Eagle are parked on exposed taxiways/aprons. The aircraft require protection from the elements to be ready for launch regardless of weather. Project provides a properly sized and configured facility for sheltering munitions being loaded on aircraft.			
VT	Burlington IAP	Add to Security Forces Facility	743
<u>Justification:</u> The Security Forces require additional space to accomplish mission requirements. They currently do not have adequate space for their Combat Arms Training Simulator, mobility equipment and assembly. This project provides an addition to correct current shortfalls.			

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Fiscal Year 2003

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
WA	Camp Murray ANG Station	Repair Heating System - Operation and Training 101	982
<u>Justification:</u> Replaces mechanical systems, roof and interior finishes that have deteriorated in the existing facility which has been unused since 1990. Work is required to support the Noble Eagle Alert Mission.			
WA	Fairchild Air Force Base	Repair Grant Street (AT/FP)	580
<u>Justification:</u> Removes deteriorated pavements, repairs damaged base course, repairs utility crossings and sets back electrical transformer for traffic safety. Installs new wearing course, marks pavement, and installs curb and gutter to meet current force protection standards.			
WA	McChord Air Force Base	Repair Communication and Electric Training Facility	723
<u>Justification:</u> Repairs mechanical system and roof, paints office walls and replace ceiling and lights in support of the Information Warfare Agressor Squadron mission.			
WI	General Mitchell IAP	Repair Roofs Buildings 301, 401, 701	570
<u>Justification:</u> Repairs roof systems on numerous facilities which, due to extensive water infiltration and continued damage to interior walls, ceilings and finishes, require constant and costly maintenance.			
WI	Truax Field	Aircraft Arresting System - Runway 3/21	1,340
<u>Justification:</u> Provides reinforced concrete equipment pits and related pavements, electricity and access for the effective installation of the necessary aircraft arresting system on a runway servicing Noble Eagle alert operations.			
WI	Truax Field	Replace Alert Facility Doors	2,203
<u>Justification:</u> Replaces existing shelter doors in support of alert operations.			
WI	Volk Field	Replace Perimeter Fence	742
<u>Justification:</u> Replaces perimeter fence which has been damaged from weather, age and impact. The fence defines the base boundary and provides security to installation personnel and assets.			

Fiscal Year 2003

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
WI	Volk Field	Replace Command Post/Expand Squadron Operations	687
<u>Justification:</u> The Survival Receiving Center is cramped and command and control activities are hindered by poor layout. This project provides a new command post and expands the existing squadron operations facility.			
WI	Volk Field	Add To/Repair Dining Hall/Security Forces - Bldg 449	735
<u>Justification:</u> Expands and repairs undersized Security and Dining facilities to more efficiently serve personnel and to solve maintenance problems from aging facility systems.			
WV	Yeager Airport	Repair and Add Dining Facility	951
<u>Justification:</u> Constructs additional space to support mobility equipment, food service, and training. Repairs existing utility, mechanical and electrical systems to improve and correct failing facility systems.			
Total Sustainment:		\$7,147	
Total Restoration & Modernization:		\$84,702	
Total Antiterrorism & Force Protection:		\$1,475	
Total Installation Cost		\$93,324	

Fiscal Year 2004

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
AK	Ted Stevens Anchorage IAP	Repair Maintenance Hangar	1,350
<u>Justification:</u> Comprehensive repair project to include roof repair, upgrade of insufficient mechanical and electrical service, reconfigure inefficient interior layouts, and upgrade fire protection and suppression systems to support mission requirements.			
AK	Ted Stevens Anchorage IAP	Repair Roofs Basewide	810
<u>Justification:</u> Facilities with warm roof systems experience severe ice damming and damage each winter due to the arctic environment. Four roofs will be repaired and converted to cold roofs to correct this issue.			
AL	Montgomery Regional Airport	Maintain Airfield Pavement	1,315
<u>Justification:</u> Repairs joint and crack sealant in operational airfield pavements where water and spilled fuel/oil are infiltrating the pavement substructure. Repairs spalls and deteriorated slabs by structural overlays. The repairs support the flying operations of the F-16 fighter wing.			
AR	Little Rock Air Force Base	Repair Interior Avionics Shop, Bldg 106	860
<u>Justification:</u> Renovates interior of avionics shop to include mechanical and electrical system, wall finishes, restrooms, lockers, break areas, offices and all maintenance shops. Modifies the heating, ventilation and air conditioning system, fire detection system and install fire suppression system.			
CA	Channel Islands ANG Station	Relocate Main Gate Building	665
<u>Justification:</u> Relocates base main gate building to meet current force protection standards.			
CO	Buckley Air Force Base	Repair/Maintain Maintenance Hangar Bdg. 801	1,350
<u>Justification:</u> Repairs numerous safety and health deficiencies related to paint deterioration and peeling. Removes asbestos, replace roof, and repair partially functioning doors. Upgrades hanger doors with new insulation and opening system.			
CT	Bradley IAP	Repair Aircraft Maintenance Hangar, Building 1001, Phase II	2,100
<u>Justification:</u> Replaces hangar doors, upgrades electrical systems, installs fire protection/suppression systems, water supply, plumbing and fixtures in support of current mission requirements.			

Fiscal Year 2004

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
FL	Jacksonville IAP	AT/FP Replace Base Entrance	1,350
<u>Justification:</u> Current base entry is improperly sited to meet current force protection requirements. New entry will be relocated, properly sized, include a vehicle search area and storm water retention ponds, and will meet all current force protection requirements.			
GA	Robins Air Force Base	JSTARS - Vehicle Maintenance Facility	1,100
<u>Justification:</u> Project will relocate function from 1952 vintage, small, antiquated facility to existing Aircraft Support Equipment facility. Work will be required to convert space into a vehicle maintenance facility.			
GA	Savannah/Hilton Head IAP	Repair Parking Apron	2,350
<u>Justification:</u> Repairs existing ramp exhibiting severe cracking, upheaval and joint deterioration. The repair of this pavement is critical to prevent debris from the area from damaging aircraft engines.			
IA	Des Moines IAP	Repair Roofs Medical Training Bldg 110 and Avionics Bldg 180	1,100
<u>Justification:</u> Repairs roof systems on numerous facilities which due to extensive water infiltration and continued damage to interior walls, ceilings and finishes, requires constant and costly maintenance.			
IL	Greater Peoria Regional Airport	Repair Perimeter Fence	672
<u>Justification:</u> Adequate security fencing does not currently exist around entire base perimeter. Large areas are only secured with a 3-wire boundary fence. Overgrown areas pose a potential for infiltration by hostile individuals. A seven foot security fence with 3-strand barbed wire is required at base perimeter.			
IN	Fort Wayne IAP	Relocate Base Entry	1,450
<u>Justification:</u> Provides efficient base entry located away from a main line rail road track. Installs force protection measures for proper traffic inspection and queues.			
IN	Fort Wayne IAP	Repair Hangar	2,750
<u>Justification:</u> Upgrades the fire protection, electrical, heating, air conditioning and interior finishes in the 1950's vintage facility which is not able to meet current mission requirements. Work includes asbestos removal.			

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Fiscal Year 2004

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
KS	Forbes Field	Repair Aircraft Parking Ramp	10,200
<u>Justification:</u> Repairs existing ramp exhibiting severe cracking, upheaval and joint deterioration. The repair of this pavement is critical to prevent debris from the area from damaging aircraft engines.			
KS	Forbes Field	Relocate and Upgrade Gate House	940
<u>Justification:</u> The existing main gate house is located too close to the base perimeter fence to provide positive control of traffic. This project provides a main gate that meets force protection requirements.			
KS	Forbes Field	Reroute Entry Road	1,400
<u>Justification:</u> Realignment existing roadway section, sidewalk pavements and drainage to satisfy new force protection standards. New road will meet the required stand-off distances.			
KS	McConnell Air Force Base	Alter NOSC/Comm/AudioVisual Facility, Bldg 54	1,600
<u>Justification:</u> Converts excess B-1/avionics facility to support new National Operations Support Center mission and Communication facility requirements. Current facility layout does not meet the requirements of the new mission.			
KS	McConnell Air Force Base	Repair Roof and HVAC on Aircraft Maintenance Facility, B-41	2,400
<u>Justification:</u> Repairs the leaking roof and the mechanical system to support the maintenance mission of the KC-135 refueling wing.			
LA	Hammond ANG Communication Station	Repair Vehicle Maintenance and ASE Facility	1,200
<u>Justification:</u> Modifies interior space, upgrades electrical system and installs fire protection system to upgrade the facility to meet current mission requirements. The Base Supply facility repair is needed to support F-15 and C-130 flying wings.			
MA	Barnes Municipal Airport	Refurbish O&T Facility - Building 001	700
<u>Justification:</u> Renovates interior and exterior building envelope, upgrades electrical and mechanical systems and removes asbestos to bring facility up to base standards.			

Fiscal Year 2004

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
MA	Otis ANG Base	Repair Composite Maint Hangar – (HVAC, Roof & Misc)	2,130
<u>Justification:</u> Repairs the malfunctioning cooling system, improves the infrared heating units, repairs the failing roof system, replaces the unnecessary over-sized doors and improves the out-dated fire protection system of the Aircraft Maintenance Hangar support facility.			
MA	Otis ANG Base	Upgrade Aircraft Arresting System - 14 End	600
<u>Justification:</u> The base requires an aircraft arresting system on runway 14-32 that does not violate clear zone requirements. This requires the system be placed underground in a pit.			
MA	Otis ANG Base	Install Aircraft Arresting System - 32 End	1,450
<u>Justification:</u> Base requires an aircraft arresting system on the 32 end of the primary runway to permit safe aircraft takeoffs and landings when the weather restricts the use of the 14 end.			
MA	Otis ANG Base	Maintain/Replace/Install Security Fence - AT/FP	700
<u>Justification:</u> Replaces perimeter and security fences that have seriously deteriorated with age and are necessary to designate installation boundaries and secure mission assets. Perimeter and security fences are necessary to help meet force protection requirements.			
MD	Andrews Air Force Base	Repair/Add to Base Supply (B3212)	2,400
<u>Justification:</u> Reconfigures existing interior spaces, ceiling systems, door, windows and latrines. Modifies mechanical, fire detection and alarm systems. Repairs pavements and landscaping. Constructs an addition to Base Supply to accommodate wing mobility operations and supply mission.			
MD	Andrews Air Force Base	Repair Ramp 201st AS	670
<u>Justification:</u> Repairs aircraft parking ramp pavements, including spalls and damaged areas. Repairs pavement joints and restripes apron pavements. 201st Airlift Squadron requires a fully serviceable, aircraft parking ramp to avoid damage to aircraft.			
MI	Alpena County Regional Airport	Replace CRTC Security Forces Facility	690
<u>Justification:</u> Base requires an adequately sized and properly configured facility for its Security Forces personnel. Current facility is undersized and in very poor condition. A new facility is required to meet mission requirements.			

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Fiscal Year 2004

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
MI	Selfridge Air National Guard Base	Repair Secondary Roads and Parking Lots	1,250
<u>Justification:</u> Repairs base vehicle roads and parking lots exhibiting potholes, cracking and upheaval. The associated debris poses a threat to aircraft engines as it is moved by snow removal and vehicular traffic.			
MI	Selfridge Air National Guard Base	Alter/Repair Deployment Processing Facility - Building 9	1,855
<u>Justification:</u> Repairs and renovates -- interior and exterior space of this historical building which serves as the Deployment Processing Facility for the 127th Composite Wing. Work also includes mechanical, electrical, utility, roof, and fire protection upgrades.			
MI	Selfridge Air National Guard Base	Repair Logistics Administration Facility - Bldg 160	1,350
<u>Justification:</u> Upgrades the mechanical and utility systems of the Logistics Administration Facility to support the F-16 fighter wing operations. Interior and exterior work includes upgrades, repairs and renovations in accordance with historic preservation statutes.			
MO	Rosecrans Memorial Airport	ADAL Fuel Cell, Bldg 18	1,350
<u>Justification:</u> Constructs addition to support mission-essential maintenance operations using hazardous materials. Upgrades the fire alarm and suppression system and fall protection to correct safety deficiencies.			
MS	Gulfport - Biloxi Regional Airport	Upgrade Civil Engineering Facility	1,450
<u>Justification:</u> Relocates Civil Engineering functions to a vacated warehouse to meet space and mission requirements. Work includes interior renovations and upgrades to the existing electrical, mechanical, and plumbing systems to support the new functions.			
MS	Key Field	Repair Hangar Fire Suppression System	610
<u>Justification:</u> Existing fuel cell fire suppression and detection system is inoperable. Project upgrades existing system to high expansion foam and bring all components in line with current code requirements.			
MT	Great Falls IAP	Relocate Entry Road and Gate	1,400
<u>Justification:</u> Replaces base and public roads which are too close to inhabited facilities. Relocates road and fencing to meet force protection requirements. Provides lighting, a vehicle search area and additional traffic lanes.			

Fiscal Year 2004

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
ND	Hector IAP	Repair South Aircraft Arresting System	655
<u>Justification:</u> The City of Fargo Municipal Airport Authority (MAA) will be repairing the main runway in FY04. Repairs aircraft arresting systems in conjunction with the MAA work in order to avoid removing new construction to repair barriers at a later time.			
ND	Hector IAP	Repair North Aircraft Arresting System	655
<u>Justification:</u> The City of Fargo Municipal Airport Authority (MAA) will be repairing the main runway in FY04. Repairs aircraft arresting systems in conjunction with the MAA work in order to avoid removing new construction to repair barriers at a later time.			
ND	Minot ANG	Add To Covered Storage Facility - Building 3430	610
<u>Justification:</u> Constructs masonry addition to Civil Engineering Technical Service Center Storage Facility to protect numerous aircraft arresting system components, equipment, supplies and hazardous material storage from severe weather conditions.			
NE	Lincoln Municipal Airport	Repair Maintenance Hangar Bldg 600	1,450
<u>Justification:</u> Repairs the 1940's vintage Maintenance Hangar roof that has damage from age, lack of maintenance and severe weather. Leaks continue to cause damage to walls, ceilings and interior finishes of the wing headquarters and maintenance functions.			
NH	Pease International Tradeport	Repair Civil Engineering Shops and Warehouse	620
<u>Justification:</u> This 1960 vintage facility requires roof repairs, improved insulation, upgraded lighting, new doors, windows, and upgraded utilities to improve facility condition, energy efficiency and extend building life.			
NH	Pease International Tradeport	Repair Deployment Process Center	1,200
<u>Justification:</u> Repairs roof and exterior to the facility to protect building occupants and equipment and to perform deployment mission.			
NH	Pease International Tradeport	Repair Communications (ROSC)/Support Group Facility	1,250
<u>Justification:</u> Reconfigures interior administrative, shop and storage spaces and upgrades the electrical and mechanical systems in the computer equipment rooms and adjacent Civil Engineering spaces in support of the air refueling wing.			

Fiscal Year 2004

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
NV	Reno-Tahoe IAP	Repair A/C Parking Apron	3,150
<u>Justification:</u> The base requires an aircraft-parking apron in good condition for the parking, taxiing, and maintenance of (8 PAA;C-130H) aircraft to support the 152d Airlift Wing. The existing parking apron is 50 years old and has reached the end of its useful life.			
NY	Francis S. Gabreski Airport	Construct Base Entry Complex	1,200
<u>Justification:</u> Current base entry is improperly sited to meet current force protection requirements. Relocates and properly sizes entry, includes a vehicle search area, and meets force protection requirements.			
NY	Niagara Falls IAP	Maintain/Repair/Add Apron Pavements	640
<u>Justification:</u> Numerous KC-135 apron pavement sections are significantly deteriorated. All of the joint material has failed. Project repairs failing sections and replaces joint fillers.			
NY	Niagara Falls IAP	Reconfigure Main Gate & Base Access Road (Tuscarora)	1,200
<u>Justification:</u> Personnel currently must gain access via the adjoined Air Force reserve base which cannot handle peak traffic. Provides properly sized new base entry with a vehicle search area to meet force protection requirements.			
NY	Schenectady Municipal Airport	Repair Apron	5,500
<u>Justification:</u> Built in the 1960s, large sections of concrete are deteriorating and creating hazards to aircraft. Pavement condition is below recommended minimums. Work includes full-depth reconstruction of half of the existing apron.			
NY	Schenectady Municipal Airport	Repair Roof Maintenance Hangar	970
<u>Justification:</u> The roofing system was originally constructed in 1949 and has been repaired and patched several times. The roof routinely develops new leaks generating almost continuous maintenance requirements. This project includes a complete removal and replacement of the roofing system.			
NY	Stewart IAP	Repair/Maintain Ramp	650
<u>Justification:</u> Heavy C-5 traffic along with freeze/thaw cycles have deteriorated numerous slabs. Project replaces failed slabs and replaces joint seals.			

Fiscal Year 2004

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
NY	Stewart IAP	Repair Maintenance Complex (B107)	650
<u>Justification:</u> Comprehensive repair project includes roof repair, upgrade of insufficient mechanical and electrical service, reconfiguration of inefficient interior layouts, and upgrade of fire protection and suppression systems.			
NY	Stewart IAP	Relocate Base Entry Gate	650
<u>Justification:</u> Current base entry is improperly sited to meet current force protection requirements. Provides properly sized new entry with a vehicle search area to meet force protection requirements.			
OH	Mansfield Lahm Airport	Construct Base Front Entrance	690
<u>Justification:</u> Provides adequate gate house and inspection area with proper utility systems, pavements, gates and fencing to support force protection requirements at the main entrance to the installation. Improvements protect installation personnel, assets and mission.			
OH	Toledo Express Airport	Repair Boundary Fence	980
<u>Justification:</u> Replaces 6-foot boundary fencing with 10-foot chain link fencing to include vegetation control barrier, gate systems and gate operators to support force protection requirements along perimeter of the installation. Repairs protect installation personnel, assets and mission.			
OK	Tulsa IAP	Relocate Base Entry	1,450
<u>Justification:</u> Constructs new entry control facilities that meet the required force protection standards.			
OK	Tulsa IAP	Repair HVAC & Roof, Maint Hgr	920
<u>Justification:</u> Replaces 40-year old galvanized main hanger roof metal roof with a new metal roof. Also replaces inefficient steam boilers which require heavy maintenance.			
OR	Klamath Falls Airport-Kingsley Field	Construct Addition to Flight Simulator Building 209	600
<u>Justification:</u> Constructs flight simulator addition to include simulator bays and office space, utilities and mechanical systems. Simulator training space requires two new simulator bays with raised flooring and meet mission requirements to train student pilots.			

Fiscal Year 2004

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
OR	Portland IAP	Repair/Construct Combat Communications	660
<u>Justification:</u> Repairs pavements, curbs and sidewalks in the organizational parking compound since it is beyond its service life and is severely deteriorated. Replaces deteriorated fencing. Grades and landscapes disturbed areas. Replaces failing flat roof with standing seam metal roof. Constructs portico.			
PA	Pittsburgh IAP	Repair Ops and Trng, B300	1,389
<u>Justification:</u> Installs an energy efficient heating, ventilation and air conditioning system with digital controls, new dampers, diffusers and ceiling to improve energy efficiency and extend facility life.			
PA	Willow Grove ARS	Repair Communications-Electronics Training, B354	1,300
<u>Justification:</u> Repairs the leaking roof, updates mechanical systems, repairs exterior finishes, replaces interior finishes and improves fire protection and suppression systems in the Civil Engineering facility.			
PA	Willow Grove ARS	Repair/Construct Base Pavements	1,000
<u>Justification:</u> Repairs road surfaces and re-paves to correct existing roadway damage. Replaces select pavement sections. Repairs drainage to extend pavement life.			
PR	Luis Munoz Marin IAP	Construct Security Forces Support Facility	700
<u>Justification:</u> Constructs building to provide mobility storage for the 156 Airlift Wing Security Forces Squadron and to provide space for Combat Arms Training Simulator and Combat Arms Training and Maintenance in support of mission requirements.			
RI	Quonset State Airport	Repair Fuel Cell Door/Fire Protection	820
<u>Justification:</u> The fuel cell currently does not have a fire suppression system and the fuel cell door is corroding and leaking on an electrical panel. Project provides a high expansion foam fire suppression system and repairs the hangar doors.			
SC	McEntire ANG Station	Maintain/Repair Airfield Pavement	690
<u>Justification:</u> Repairs joint and crack sealant in operational airfield pavements where water and spilled fuel/oil are infiltrating the pavement substructure. Repairs degraded taxiway pavement with structural overlays. The repairs support flying operations for F-16 and C-130 aircraft.			

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Fiscal Year 2004

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
SD	Joe Foss Field	Relocate Base Entrance	640
<u>Justification:</u> Existing base entrance lacks a vehicle inspection area and the gatehouse lacks bulletproof glass. Existing main gate does not comply with force protection requirements.			
TN	McGhee Tyson Airport	Maintain Taxiway Shoulders	650
<u>Justification:</u> Repairs airfield pavements and maintain joints with sealant to prevent moisture from seeping into the base courses. Repairs extend pavement life.			
TN	Nashville IAP	Renovate Base Supply, Bldg 720	1,200
<u>Justification:</u> Renovates interior walls, windows, doors, lighting, plumbing fixtures and electrical systems. Replaces roofing system.			
VA	Richmond IAP	Construct Main Base Entrance (AT/FP)	1,200
<u>Justification:</u> Provides main entrance road, guardhouse, and visitor parking lot to meet force protection requirements.			
WA	Fairchild Air Force Base	Add to and Repair Medical Training	1,900
<u>Justification:</u> Medical training facility is undersized and poorly configured. Project relocates walls, repairs mechanical systems, replaces roof and constructs an addition to facility to provide adequately sized and properly configured medical training.			
WA	Spokane IAP	Repair Vehicle Maintenance - Bldg 300	1,100
<u>Justification:</u> Repairs interior finishes, upgrades air conditioning, installs additional ventilation, repairs roof and expands electrical system of the Vehicle Maintenance facility to support recent upgrades in equipment.			
WI	Truax Field	Upgrade Main Base Entrance (AT/FP)	880
<u>Justification:</u> Provides a new gate house and fencing to meet force protection requirements.			

Fiscal Year 2004

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
WI	Volk Field	Replace Main Base Entrance	700
<u>Justification:</u> Current base entry does not meet the force protection requirements. Project provides a new gate house, additional traffic lanes and area to search vehicles.			
WI	Volk Field	Repair Taxiway A	1,900
<u>Justification:</u> Repairs aircraft pavement to support mission training. Loose aggregate caused by weather and traffic on the already damaged pavement poses a serious risk to aircraft engine damage.			
WY	Cheyenne Municipal Airport	Repair Parking Lot, HQ/Ops/Supt Grp/Aeromed/Clinic, Bldg 16	850
<u>Justification:</u> Repairs 1942 vintage parking lot by removing and replacing existing pavement.			
WY	Cheyenne Municipal Airport	Repair Airfield Pavements (MCCA)	1,250
<u>Justification:</u> The taxiways that serve the ANG aircraft parking ramp were built in the early 1940s, have reached the end of their service life and do not provide adequate structural strength. Project replaces pavement to meet required strengths.			
Total Sustainment:		\$53,924	
Total Restoration & Modernization:		\$26,605	
Total Antiterrorism & Force Protection:		\$19,557	
Total Installation Cost		\$100,086	

Fiscal Year 2005

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
AK	Eielson Air Force Base	Repair Headquarters Facility	650
<u>Justification:</u> The 168th Air Refueling Wing Headquarters was converted from a 1950's vintage dormitory through several renovation projects. Project corrects numerous deficiencies including improper room configuration, inadequate electrical service and lighting, communications, failed mechanical systems, and worn finishes.			
AK	Eielson Air Force Base	Repair Communications Facility	1,200
<u>Justification:</u> Located in a converted dental clinic, the 168th Air Refueling Wing Communications Squadron occupies 50 percent of their requirement. Hallways are used to store computers and equipment due to lack of space. Project includes reconfiguring interior space and upgrading to current standards once an addition to the facility is complete.			
AK	Eielson Air Force Base	Repair Aircraft Maintenance Hangar	1,300
<u>Justification:</u> Comprehensive repairs to the aging KC-135 hangar include roof replacement, upgrade of the heating system, installation of maintenance catwalks, replacement of inoperable fall protection, and resurfacing of floors.			
AL	Martin ANG Station	Repair Comm-Electronic Maintenance Facility - Bldg 1	1,250
<u>Justification:</u> Upgrades utility systems, corrects deficiencies in the mechanical and electrical systems, repairs leaking roof, and reconfigures the floor plan to improve functional use of the facility and extend useful life to support the current mission.			
AZ	Phoenix ANG Station	Repair 107th Air Control Squadron Training Facility	3,700
<u>Justification:</u> Project supports the conversion of the 107th Air Control Squadron to the 107th Air Control Training Squadron. Project renovates existing facility to provide space for academic training.			
AZ	Phoenix ANG Station	Repair 107th ACS Radar Maintenance Facility	1,350
<u>Justification:</u> Project supports the conversion of the 107th Air Control Squadron to the 107th Air Control Training Squadron. Project renovates existing maintenance facility to provide space for academic training.			

Fiscal Year 2005

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
CA	Fresno Yosemite IAP	Repair Maintenance Hangar & Shops	6,000
<u>Justification:</u> Replaces interior walls, exterior insulation, windows, roof, mechanical and electrical systems. The antiquated hangar has seen few improvements since originally built and repairs are required to meet current electrical mission requirements.			
CA	Fresno Yosemite IAP	Repair/Construct Munitions Maintenance	610
<u>Justification:</u> Repairs existing roof leaks to prevent water damage from extending throughout the facility.			
CA	Fresno Yosemite IAP	Repair Fuel Cell Hangar	1,050
<u>Justification:</u> Replaces brick in the front of the facility and repairs utility systems.			
CA	March Air Reserve Base	Maintain/Repair Aprons	726
<u>Justification:</u> Maintains and repairs aircraft parking aprons to prevent damage to aircraft.			
CA	San Diego ANG Station	Add to Communication-Electronic Facility	590
<u>Justification:</u> Constructs new facility to provide additional 4000 SF in support of the current communications requirements.			
CO	Buckley Air Force Base	Repair Taxiways A & K	1,150
<u>Justification:</u> Repairs excessive damage to the runway pavement. A significant portion of this taxiway is in poor structural condition and requires full-depth replacement. Other portions require surface repairs to reduce the threat of damage to the aircraft.			
CO	Buckley Air Force Base	Repair Base Supply	2,300
<u>Justification:</u> Repairs roofing system and solar panels. Renovates exterior walls which have developed structural cracks. Replaces mechanical systems and upgrades with energy efficient systems and controls. Relocates interior walls to support material handling system and to reconfigures existing space to improve functional use.			

Fiscal Year 2005

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
CT	Bradley IAP	Repair Warthog Road	733
<u>Justification:</u> Repairs deteriorated road requiring constant maintenance to correct potholes and cracks. Reduces potential of loose asphalt being transported to flightline area in treads of service vehicles. Reduces traffic accident risk due to vehicles swerving to avoid potholes.			
GA	Glynco ANG Station	Repair Roof, JCSS Complex	850
<u>Justification:</u> Replaces 20-year-old leaking roof with a standing seam metal roof to prevent interior damage.			
GA	Savannah/Hilton Head IAP	Construct Storage Magazine	600
<u>Justification:</u> Constructs a facility to replace conex containers which are substandard in terms of construction, function, efficiency, and space utilization.			
GA	Townsend Range	Repair Bombing Range Facilities	900
<u>Justification:</u> Project replaces the vehicle maintenance and operation facility as well as the vehicle wash rack. Project paves existing gravel parking lot and driveway.			
GU	Andersen Air Force Base	Add To Mobility Storage	610
<u>Justification:</u> Builds an addition to accommodate the recent increases and changes in required equipment. Upgrades the mechanical, electrical and interior finishes of existing facilities needed to support the 254th Combat Defense Flight mission.			
HI	Hickam Air Force Base	Resurface Taxiway "M"	1,800
<u>Justification:</u> Resurfaces taxiway pavement that has deteriorated from age and repairs severe erosion and drainage problems caused by flash flooding.			
IA	Des Moines IAP	Repair Roof CE Bldg 410	600
<u>Justification:</u> Replaces Building 410 roof to correct numerous leaks. A new roof is required to provide a dry and safe space for office computers and electrical equipment.			

Fiscal Year 2005

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
IA	Des Moines IAP	Repair Maintenance Hangar Doors - Bldg 100	600
<u>Justification:</u> The original hangar doors date from 1941, are severely deteriorated, and pose a safety threat due to structural and electrical system decay. Warped rails and deteriorated motors result in aircraft being locked in or out of the bay when the doors fail to operate properly.			
IL	Capital Municipal Airport	Repair Aircraft Parking Ramp	800
<u>Justification:</u> Repairs extensive cracking, upheaval and holes that have allowed water to infiltrate into the base course and freeze creating a potential hazard to aircraft and personnel.			
KS	Forbes Field	Repair Vehicle Maintenance	1,500
<u>Justification:</u> Project renovates the vehicle maintenance facility that has not had any significant repairs within the last 28 years. Project upgrades mechanical and electrical systems , and reconfigures work and office spaces.			
KS	Forbes Field	Upgrade Fire Station	1,700
<u>Justification:</u> Upgrades fire station to current standards to support training of male and female crews and the administrative functions. Substandard conditions are degrading mission performance.			
KS	McConnell Air Force Base	Repair Operations and Training Facility, Bldg 65	4,800
<u>Justification:</u> Converts Squadron Operations facility from B1B bombers to KC-135 refueling aircraft and Information Warfare Aggressor Squadrons. Current facility layout adversely affects new mission performance.			
KS	McConnell Air Force Base	Repair Communications - Electronics Training Roof & H, B. 49	920
<u>Justification:</u> Repairs 20 year old leaking roof by replacement with a standing seam metal roof to prevent interior damage.			
LA	Hammond ANG Communication Station	Repair Communications Electronic Training Facility	1,400
<u>Justification:</u> Provides sufficient administrative space to accommodate required personnel and upgrades electrical service and mechanical systems to improve training capability and mission functional areas.			

Fiscal Year 2005

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
LA	Jackson Barracks ANG Station	Repair Communication Electronic Training Facility	900
<u>Justification:</u> Repairs the operations building for the 214th Electronic Installation Squadron (EIS). The current state of the facility does not provide efficient functional management for mission accomplishment.			
LA	Naval Air Station Joint Reserve Base	Repair Base Supply	3,450
<u>Justification:</u> Modifies interior space, upgrades electrical system and installs a fire protection system to meet mission requirements.			
LA	Naval Air Station Joint Reserve Base	Repair Hangar Roof and Door	900
<u>Justification:</u> Fixes the leaking roof and malfunctioning exterior doors that allow weather elements to damage equipment and interior finishes. Work is necessary to maintain a safe and functional facility.			
MA	Otis ANG Base	Repair Comp Maint Hangar – (Heating & Fire Prot)	1,145
<u>Justification:</u> Improves out-dated fire protection system and relocates the infrared heating units in the Aircraft Maintenance Hangar.			
MA	Otis ANG Base	Repair Runway @ AAS - 05 & 23 Ends	1,600
<u>Justification:</u> Repairs cracks, pavement joints and holes that affect aircraft maneuverability and endangers aircraft engines.			
MD	Andrews Air Force Base	Repair/Add Squadron Operations	1,900
<u>Justification:</u> Constructs addition and updates the electrical, mechanical and fire protection systems to effectively support the squadron operations function.			
MD	Andrews Air Force Base	Repair Flight and Squadron Communications Facility	1,351
<u>Justification:</u> Reconfigures existing interior spaces, suspended ceiling systems, doors, windows, and latrines. Modifies electrical, alarm, fire protection and lighting systems. Constructs enclosed mezzanine and addition to communications facility.			

Fiscal Year 2005

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
MD	Martin State Airport	Repair Taxiway Tango	1,600
<u>Justification:</u> Repairs taxiway pavements that support the flying missions. Taxiway pavements are cracking and have heaved causing debris that threatens damage to aircraft engines.			
ME	Bangor IAP	Repair Aircraft Parking Aprons	825
<u>Justification:</u> Accomplishes full-depth and surface repairs to cracks, holes and upheaval on aircraft parking aprons and ramp pavements. Repair is required to stop water infiltration and mitigate further damage.			
ME	Bangor IAP	Repair Taxiway "C"	1,000
<u>Justification:</u> Accomplishes full-depth and surface repairs to aircraft taxiways. Some areas are experiencing failure of the pavements and base course.			
MI	Alpena County Regional Airport	Replace Vehicle Washrack - Building 7	690
<u>Justification:</u> Replaces vehicle maintenance washrack which is undersized, poorly sited, and in disrepair.			
MN	Duluth IAP	Repair Munitions Storage Facilities	1,250
<u>Justification:</u> Provides lightning protection for the munitions area to eliminate the safety deficiencies.			
MN	Duluth IAP	Repair Aircraft Arresting System	1,200
<u>Justification:</u> Repairs arresting system. This project is timed to match the airport's scheduled pavements repairs to reduce the number of runway closures.			
MS	Jackson IAP	Repair Aeromed Facility	750
<u>Justification:</u> Aeromed function is located on multiple floors and severely undersized. This project realigns functions, renovates interior spaces, and extends the existing mechanical system.			

Fiscal Year 2005

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
MS	Key Field	Repair Base Streets	700
<u>Justification:</u> Reconstructs cracked and failed roads and corrects drainage to prevent ponding water.			
MT	Great Falls IAP	Add/Alter Base Civil Engineering and Readiness Complex	1,050
<u>Justification:</u> Replaces heating and ventilation systems with energy efficient units. Repairs existing roof. Constructs addition, installs ductwork, electrical and communication circuits.			
NC	Charlotte/Douglas IAP	Add to/Repair Squadron Operations, Bldg 3	1,100
<u>Justification:</u> The flying squadron requires adequate space for operational and supporting functions and flying crew locker areas. Provides suitable space for the Base Operations, Supervisor of Flying, Mission Planning, Brief, Debrief, Administration and Life Support functions.			
NE	Lincoln Municipal Airport	Repair Airfield Pavements	1,250
<u>Justification:</u> Repairs taxiway and apron damaged by severe cracking, upheaval and joint deterioration. The repair of this pavement is critical to prevent debris in the area from damaging aircraft engines.			
NH	Pease International Tradeport	Repair Hangar Fire Suppression System	2,330
<u>Justification:</u> Fire/life/safety code requirements necessitate upgrades to the existing facility to properly protect aircraft and personnel.			
NJ	Atlantic City IAP	Repair Maintain Aircraft Apron/Shoulders	790
<u>Justification:</u> Repairs pavements that have failed from deterioration, upheaval and cracking to facilitate aircraft traffic without the threat of engine damage.			
NM	Kirtland Air Force Base	Repair Taxiway M-7	1,750
<u>Justification:</u> Pavement is beyond serviceable life with loose gravel being picked up daily. Overlay is cracked and raveling. This project replaces the base course as well as the pavement.			

Fiscal Year 2005

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
NM	Kirtland Air Force Base	Add/Repair Weapons Release	900
<u>Justification:</u> Adds to and alters the existing undersized administrative and training space to support F-16 wing weapons system training.			
NV	Reno-Tahoe IAP	Repair Maintenance Hangar Bldg 9	6,300
<u>Justification:</u> Repairs failing roof, improves exterior surfaces, upgrades the fire protection system, and modifies hangar doors for operations in support the of 152nd Airlift Wing Aircraft Maintenance mission.			
NV	Reno-Tahoe IAP	Repair Operations Facility Roof	1,000
<u>Justification:</u> A structurally sound, weather tight roofing system is required to protect operations personnel, equipment, and material in support of the 152d Airlift Wing. Repairs the existing roof which has surpassed its functional service life and is rapidly failing.			
NY	Francis S. Gabreski Airport	Repair Fuel Cell Fire Suppression System	860
<u>Justification:</u> Existing fuel cell fire suppression and detection system is inoperable. Project upgrades existing system to high expansion foam and upgrades components to current code requirements.			
NY	Francis S. Gabreski Airport	Repair Mission Support Facility	1,300
<u>Justification:</u> Project allows for the relocation of a number of support functions from various facilities in worse condition and consolidation in building 250.			
NY	Niagara Falls IAP	Repair Base Civil Engineer Facility	2,100
<u>Justification:</u> Function is currently located in an uninsulated, improperly sized and configured facility. Repair work includes interior reconfiguration, new mechanical, plumbing and electrical systems and upgrade of the fire protection system to current standards.			
NY	Stewart IAP	Repair Fuel Cell Hangar (B102)	1,300
<u>Justification:</u> Repairs leaky roof and upgrades electrical and mechanical systems. Repairs are necessary to provide adequate maintenance space and extend building life.			

Fiscal Year 2005

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
OH	Rickenbacker IAP	Repair Vehicle Parking, Hangar Areas	950
<u>Justification:</u> Repairs deteriorating vehicle parking pavement to prevent foreign object damage debris from entering the airfield and to provide adequate unit parking to support the flying mission of the KC-135 refueling wing.			
OH	Rickenbacker IAP	Repair Fire Protection Pumphouse and Water Storage	700
<u>Justification:</u> Replaces the fire protection water main supplying the hangar fire protection systems. The existing cast iron water lines do not supply the quantity of water nor the pressure needed to comply with minimum standards.			
OH	Rickenbacker IAP	Renovate Vehicle Maintenance Facility	780
<u>Justification:</u> Upgrades existing vehicle parking. Current pavements are deteriorating and additional paved parking is necessary to accommodate personal and government vehicles.			
OH	Toledo Express Airport	Repair BAK-14 Aircraft Arresting System	1,350
<u>Justification:</u> Replaces degraded aircraft arresting systems to meet tolerances for emergency aircraft recovery. The system must comply with FAA and military requirements for commercial and joint use airports.			
OK	Will Rogers World Airport	Repair/Maintain Apron	650
<u>Justification:</u> The ramp parking apron is deteriorating and creating a significant hazard to aircraft and crew members due to the increasing foreign object debris and pavement failure. Provides adequate airfield pavement system to meet mission requirements.			
OR	Klamath Falls Airport-Kingsley Field	Repair Taxiways D & G	700
<u>Justification:</u> Repairs wearing surface of taxiways D and G with an asphalt overlay. Taxiway G is poorly drained and water ponding is a constant problem. Taxiway D is cracked and degraded at the pavement seams creating hazard to aircraft engines.			

Fiscal Year 2005

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
OR	Klamath Falls Airport-Kingsley Field	Add/Repair Communications Center	860
<u>Justification:</u> Constructs an addition and renovates existing communications center to consolidate the squadron in one location. Unit is currently housed in three geographically separate locations. Parking entrance and an access road are included in this project. Removes asbestos from existing building.			
OR	Klamath Falls Airport-Kingsley Field	Alter/Repair & Add Munitions Maintenance	690
<u>Justification:</u> Constructs addition to existing munitions maintenance building and renovates interior building spaces for munitions trailer maintenance. Upgrades blast and lightning protection consistent with safety and mission requirements.			
OR	Klamath Falls Airport-Kingsley Field	Repair Weapons Release Shop, Bldg 500	1,100
<u>Justification:</u> Reconfigures facility and improves operational efficiency by consolidating Avionics, Crew Chiefs and Aerospace Ground Equipment functions, which are presently geographically separated.			
OR	Portland IAP	Construct/Repair Security Forces	820
<u>Justification:</u> Constructs building addition for Security Forces and Combat Arms Training and Maintenance. Reconfigures interior walls, expands latrine, and repairs mechanical systems to effectively support daily operations of Security Forces and the Combat Arms operations.			
OR	Portland IAP	Construct Addition to C-E Training Facility	800
<u>Justification:</u> Constructs addition to communications-electronics (C-E) training facility with overhead doors, mechanical systems, utilities, pavements and walkways. Repairs existing C-E facility to support on the job training and administrative space.			
OR	Portland IAP	Construct BCE Storage/Repair Compound Pavement	880
<u>Justification:</u> Provides space for Disaster Preparedness function and repairs roof, utilities and interior finishes of the shop and administrative spaces.			
OR	Portland IAP	Repair Roof - O&T (Bldg 142)	800
<u>Justification:</u> Repairs roof mounted mechanical units, piping, roofing and insulation. Installs standing seam roof, insulation, and ground mounted air handling units. The roof system has exceeded its service life.			

Fiscal Year 2005

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
OR	Portland IAP	Construct/Repair Base Communications (Building 155)	730
<u>Justification:</u> Constructs addition to base communications facility with standing seam roof, curbs, gutters, sitework and utilities. Repairs roof, interior spaces, building access, landscaping, pavements and utilities. Upgrades fire suppression system. This project is for a Regional Operations Support Center that supports 10 western states.			
PA	Ft Indiantown Gap ANG Station	Upgrade RTS Infrastructure	710
<u>Justification:</u> Upgrades site access roads, provides adequate utilities, and makes site improvements. Provides area lighting for nighttime training, safety, and security.			
PA	Harrisburg IAP	Relocate Taxiway "E"	650
<u>Justification:</u> Relocates Taxiway "E" west of the current location to allow military and commercial aircraft an avenue to enter the parallel taxiway, and eventually the runway. Permits one additional aircraft parking space to be constructed and reduces safety deficiencies.			
PA	Willow Grove ARS	Repair 270 EIS Vehicle Mnt, Bldg 353	530
<u>Justification:</u> Replaces passive solar energy features which consist of entire walls made of glass. Installs new seals on double pane windows which have failed. Replaces bathroom ceiling, fixtures and broken tiles. Upgrades air handler.			
PA	Willow Grove ARS	Repair General Purpose Shops, B320	4,250
<u>Justification:</u> Fixes leaky roof, upgrades insufficient electrical power and mechanical systems. Replaces worn plumbing fixtures and finishes to extend facility life.			
PA	Willow Grove ARS	Repair Base Supply, Bldg 310	1,350
<u>Justification:</u> Renovates/replaces interior electrical and mechanical utility systems that are antiquated, expensive to maintain, and in constant disrepair. Replaces door and window systems which are single pane construction and not energy efficient.			

Fiscal Year 2005

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
SC	McEntire ANG Station	Repair Base Water System	3,000
<u>Justification:</u> Replaces 1940 vintage water system to provide water for human consumption, fire suppression and operational use by base personnel and activities in support of F-16 flying mission. The existing water system does not comply with the Safe Water Drinking Act of 1974 and three Notices of Violation have been given to the base.			
SD	Joe Foss Field	Repair Operations & Training Facility	650
<u>Justification:</u> Inadequate space currently exists for facility occupants. Authorized increase in Services Flight personnel requires additional space. Incorporates force protection requirements into the facility in order to comply with DoD regulations.			
TN	McGhee Tyson Airport	Repair Fire Station for Security Forces	1,500
<u>Justification:</u> Repairs and renovates interior and exterior space of this former fire station building to accommodate the Security Forces. Upgrades mechanical, utility, roof and fire protection systems.			
TN	McGhee Tyson Airport	Repair 228th Combat Com Sq -(Compain P-341)	900
<u>Justification:</u> Renovates interior finishes, mechanical, electrical and fire protection systems of the Combat Communications facility to support the significant increase in personnel and equipment requirements.			
TN	Nashville IAP	Renovate Security Forces, Bldg 735	740
<u>Justification:</u> Renovates interior layouts and finishes, repairs mechanical systems, and upgrades electrical service of facility used by Security Forces. Converts second floor to offices and installs air conditioning.			
TN	Nashville IAP	Repair/Renovate Aerial/Firehall, Bldg 736	1,400
<u>Justification:</u> Replaces existing doors, windows and plumbing. Upgrades electrical, mechanical, and fire protection systems and renovate interior. Installs standing seam metal roof system.			

Fiscal Year 2005

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
TX	Ellington Field	Repair Water Distribution System	1,750
<u>Justification:</u> Corrects a Level I environmental compliance deficiency. Replaces existing unlined cast iron water main with new high density polyethylene piping. Abandons existing system in place.			
VA	Richmond IAP	Repair Water Distribution System Basewide	1,500
<u>Justification:</u> Replaces cast iron water line that does not supply water complying with minimum safe drinking water standards with a new polyethylene system. Nearly half of the base's water distribution system is over 50 years old and has reached the end of its service life.			
WI	Hardwood Weapons Range	Upgrade Vehicle Maintenance Complex	680
<u>Justification:</u> Upgrades overloaded electrical and undersized mechanical systems. Reconfigures facility layout to maintain safe and efficient operations.			
WI	Truax Field	Repair/Maintain Maintenance Hangar - Building 400	1,500
<u>Justification:</u> Upgrades mechanical system to support the modified load of the maintenance function and meet Air Force technical orders for ventilation of maintenance work space.			
WI	Volk Field	Repair Taxiways D & G and Run-up Pad	690
<u>Justification:</u> Repairs airfield pavements which have failed from deterioration, upheaval and cracking to facilitate aircraft traffic without the threat of engine damage.			
WY	Cheyenne Municipal Airport	Repair/Construct Dining Facility	1,300
<u>Justification:</u> The dining area is undersized and will not support traditional personnel during drill functions. Project enlarges the facility to the authorized size and repairs the existing facility to meet current requirements.			

Fiscal Year 2005

<u>State</u>	<u>Location/Installation</u>	<u>Project Title</u>	<u>(\$000)</u>
WY	Cheyenne Municipal Airport	Aeromedical Evac /SF Storage	670

Justification: The current 187th Aero Medical Evacuation storage facility does not meet mission requirements or current safety standards. It lacks fire suppression for the protection of the mobility assets stored there. This project constructs a new facility and demolishes the old one.

Total Sustainment:	\$45,454
Total Restoration & Modernization:	\$71,106
Total Installation Cost	\$116,560

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SPARES AND REPAIR PARTS
OPERATION AND MAINTENANCE, AIR NATIONAL GUARD
(\$ in Thousands)

	<u>FY 2003</u>	<u>FY 2004</u>	<u>FY 2005</u>	<u>FY04-05 CHANGE</u>
<u>DEPOT LEVEL REPARABLES (DLRs)</u>				
AIRFRAMES	\$ 395,058	\$ 782,958	\$ 602,871	\$ -180,087
OTHER	\$ 16,211	\$ 21,227	\$ 16,579	\$ -4,648
TOTAL	\$ 396,679	\$ 804,185	\$ 619,450	\$ -184,735
<u>CONSUMABLES</u>				
AIRFRAMES	\$ 115,392	\$ 130,713	\$ 125,211	\$ -5,502
TOTAL	\$ 115,392	\$ 130,713	\$ 125,211	\$ -5,502