DCN 641

GRAND FORKS AFB, ND

BRAC 95
AIR
FORCE
TEAM

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DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

SUMMARY SHEET

GRAND FORKS AIR FORCE BASE, NORTH DAKOTA

INSTALLATION MISSION

Air Mobility Command base. Home of the 319th Air Refueling Wing (48 KC-135R). Major tenant is the 321st Missile Group (150 Minuteman III).

DOD RECOMMENDATION

- Realignment.
- The 321st Missile Group will inactivate unless prior to December 1996, the Secretary of Defense determines that the need to retain ballistic missile defense (BMD) options effectively precludes this action. If the Secretary of Defense makes such a determination, Minot AFB, North Dakota, will realign and the 91st Missile Group will inactivate.
- A portion of the Minuteman III missiles from the group which is inactivated will be relocated to Malmstrom AFB, Montana, to support ongoing conversion from Minuteman II to Minuteman III.
- All activities and facilities at Grand Forks AFB associated with the 319th Air Refueling Wing, including family housing, hospital, commissary, and base exchange, will remain open.

DOD JUSTIFICATION

- The Nuclear Posture Review recommended an ICBM force structure consisting of "three wings of Minuteman III missiles carrying single warheads (500-450)." This requires inactivation of one missile group within the Air Force.
- The missile field at Grand Forks ranked lower than Minot AFB or Malmstrom AFB due to operational concerns.
- The missile field at FE Warren AFB, Wyoming, was excluded from consideration because it is the only Peacekeeper missile base. The DoD force structure plan requires Peacekeeper missiles through the period during which BRAC actions must be taken, and inactivation of Peacekeeper missiles could have adverse START implications.

COST CONSIDERATIONS DEVELOPED BY DOD

• One-Time Costs:	$11.9 million
• Net Costs (Savings) During Implementation	$111.7 million
• Annual Recurring Savings	$35.2 million
• Return on Investment Year	Immediate
• Net Present Value Over 20 Years	$447.1 million

MANPOWER IMPLICATIONS OF THIS RECOMMENDATION (EXCLUDES CONTRACTORS)

	Military	Civilian	Students
Baseline	4,607	557	0
Reductions	802	35	0
Realignments	0	0	0
Total	802	35	0

MANPOWER IMPLICATIONS OF ALL RECOMMENDATIONS AFFECTING THIS INSTALLATION (INCLUDES ON-BASE CONTRACTORS AND STUDENTS)

Out		In		Net Gain (Loss)	
Military	Civilian	Military	Civilian	Military	Civilian
1,506	119	0	0	(1,506)	(119)

ENVIRONMENTAL CONSIDERATIONS

- Environmental impact is minimal and ongoing restoration will continue.

REPRESENTATION

Senators:	Kent Conrad
	Byron Dorgan
Representative:	Earl Pomeroy
Governor:	Edward Schafer

ECONOMIC IMPACT

- Potential Employment Loss: 1,085 Jobs (837 Direct, 248 Indirect)
- Grand Forks County Economic Area: 45,092 Jobs
- Percentage: 2.4 percent decrease
- Cumulative Economic Impact (1996-2001): 2.4 percent decrease

MILITARY ISSUES

- The Air Force analysis of missile field operational effectiveness ranked Grand Forks AFB lower than Malmstrom AFB or Minot AFB based on target coverage, availability for launch, survivability, operations and maintenance accessibility, and logistics supportability.

- The 1974 Protocol to the 1972 ABM Treaty restricts each side to deployment of one ABM site located at either an ICBM field or the nation's capital. The United States agreed that its ABM system "will be centered in the Grand Forks ICBM silo launcher deployment area."

COMMUNITY CONCERNS/ISSUES

- Closing the Grand Forks missile field could send a misleading signal to the former Soviet Union regarding our intent to "unilaterally change the treaty," and could jeopardize any future ballistic missile defense deployments.
- Retaining Grand Forks AFB as a multi-mission base (tankers and missiles) is more efficient than the current DoD proposal that creates single mission bases at Grand Forks AFB (tankers) and Malmstrom AFB (missiles).
- Costs associated with relocating the ABM site should be included in the analysis, if it is determined that relocation is necessary.
- Air Force rationale for excluding the FE Warren AFB, WY missile field should be reviewed since Peacekeeper missiles are already scheduled for retirement in 2003.
- Complete closure of Grand Forks should not be considered because of the Air Force's "core base" concept for tankers.
- Grading scale for "Mission (Missile) Requirements" awards green , yellow, and red to reflect order of finish for the three bases under consideration. The red received by Grand Forks may be misconstrued as a strong negative.
- The evaluation criteria for "Facilities Condition: Housing" is based on the number of units needing upgrade to whole house standards. This is a poor measure of overall quality of housing at Grand Forks AFB.

ITEMS OF SPECIAL EMPHASIS

- None.

Olson/AF Team/June 16, 1995/12:00

DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

SUMMARY SHEET

GRAND FORKS AIR FORCE BASE, NORTH DAKOTA

INSTALLATION MISSION

Air Mobility Command base. Home of the 319th Air Refueling Wing (48 KC-135R). Major tenant is the 321st Missile Group (150 Minuteman III).

DOD RECOMMENDATION

- Realignment.
- The 321st Missile Group will inactivate and a portion of the Minuteman III missiles from the Group will be relocated to Malmstrom AFB, Montana, to support ongoing conversion from Minuteman II to Minuteman III.
- All activities and facilities at Grand Forks AFB associated with the 319th Air Refueling Wing, including family housing, hospital, commissary, and base exchange, will remain open.

COMMISSION ALTERNATIVE

- Add for Closure. The 321st Missile Group will be inactivated and the 319th Air Refueling Wing will be relocated.

JUSTIFICATION

- Air Force analysis identified an excess of 2 to 3 large aircraft bases. Relocation of the 319th Air Refueling Wing and closure of Grand Forks AFB reduces this excess capacity and produces significantly more savings than the DoD proposed realignment.
- The Nuclear Posture Review recommended an ICBM force structure consisting of "three wings of Minuteman III missiles carrying single warheads (500-450)." This requires inactivation of one missile group within the Air Force.
- The Air Force analysis of missile field operational effectiveness ranked Grand Forks AFB lowest based on target coverage, availability for launch, survivability, operations and maintenance accessibility, and logistics supportability.

STAFF COMMENTS

None.

COST CONSIDERATIONS DEVELOPED BY DOD

- One-Time Costs: $215.3 million
- Net Costs (Savings) During Implementation $117.8 million

- Annual Recurring Savings $87.7million
- Return on Investment Year 2000 (2 Years)
- Net Present Value Over 20 Years $960.2 million

MANPOWER IMPLICATIONS OF THIS RECOMMENDATION (EXCLUDES CONTRACTORS)

	Military	Civilian	Students
Baseline	3,951	425	0
Reductions	1,597	116	0
Realignments	2,354	309	0
Total	3,951	425	0

ENVIRONMENTAL CONSIDERATIONS

- Environmental impact is minimal and ongoing restoration will continue.

REPRESENTATION

Senators:	Kent Conrad
	Byron Dorgan
Representative:	Earl Pomeroy
Governor:	Edward Schafer

ECONOMIC IMPACT

- Potential Employment Loss: 6,896 Jobs (5,273 Direct, 1,623 Indirect)
- Grand Forks County Economic Area: 45,092 Jobs
- Percentage: 13.4 percent decrease
- Cumulative Economic Impact (1996-2001): 13.4 percent decrease

MILITARY ISSUES

- Grand Forks north central location is operationally significant for supporting our strategic nuclear war plan.
- On average over the past year , 66 percent of the tanker aircraft were off station. As such, in an operational context, there is no excess tanker capacity in the north central region.
- Spreading Grand Forks tankers to a number of smaller units and locations dilutes our ability to efficiently accomplish the air refueling missions which are critical to support the national security strategies of strategic deterrence and crisis response.
- Grand Forks has the airspace, infrastructure and location the Air Force requires for a core tanker wing.

- Core tanker wings realize economies of scale in operations, logistics, and organization; and avoid duplication in equipment, supply, manpower, and overhead.
- Tanker units are just beginning to stabilize following a period of reorganization and high operations tempo. A significant reorganization now will disrupt operating efficiencies.

COMMUNITY CONCERNS/ISSUES

- The Air Force and DoD correctly assessed the military value of Grand Forks AFB in 1993 when selecting it as a core tanker base.
- Grand Forks was selected as a core tanker base because its location, capacity, facilities, and infrastructure were the best suited for this mission.
- The runway condition was upgraded to Code 1 in 1994.
- A pipeline feed to the base and an improved hydrant system assure rapid and effective aircraft refueling capability.
- State and local zoning guarantee no future runway encroachment problems.
- The missile field at Grand Forks is the newest in the Air Force. It has always been considered fully capable of performing its assigned mission, and remains so today according to the BCEG.
- The Grand Forks missile field should not be graded down for water in the launch facilities. Topside grading and improved seals at the launch facilities eliminated this problem.
- Closing the Grand Forks missile field could send a misleading signal to the former Soviet Union regarding our intent to "unilaterally change the ABM Treaty," and could jeopardize any future ballistic missile defense deployments.
- The costs of closing the Grand Forks missile field are greatly underestimated, because they do not include the costs of demolishing/relocating the ABM site.
- Closing the Grand Forks missile field unduly restricts ballistic missile defense options under the ABM treaty.
- The Grand Forks community is a great place for the Air Force.
- The University of North Dakota is a tremendous asset not taken into account in the evaluation process.
- The evaluation criteria for "Facilities Condition: Housing" is based on the number of units needing upgrade to whole house standards. This is a poor measure of overall quality of housing at Grand Forks AFB where houses have been upgraded inside and out, but have been deferred from undergoing the whole house upgrade, which would have increased their square footage, because they were in better condition than housing at many other bases.
- A May 4, 1995 letter from Senator Baucus refers to an internal Air Force study which recommends "closure of Grand Forks." This is actually a study of the missile field only.

ITEMS OF SPECIAL EMPHASIS

None.

Olson/AF Team/June 16, 1995

Grand Forks Air Force Base, North Dakota

Recommendation: Realign Grand Forks AFB. The 321st Missile Group will inactivate, unless prior to December 1996, the Secretary of Defense determines that the need to retain ballistic missile defense (BMD) options effectively precludes this action. If the Secretary of Defense makes such a determination, Minot AFB, North Dakota, will be realigned and the 91st Missile Group will inactivate.

If Grand Forks AFB is realigned, the 321st Missile Group will inactivate. Minuteman III missiles will relocate to Malmstrom AFB, Montana, be maintained at depot facilities, or be retired. A small number of silo launchers at Grand Forks may be retained if required. The 319th Air Refueling Wing will remain in place. All activities and facilities at the base associated with the 319th Air Refueling Wing, including family housing, the hospital, commissary, and base exchange will remain open.

If Minot AFB is realigned, the 91st Missile Group will inactivate. Minuteman III missiles will relocate to Malmstrom AFB, Montana, be maintained at depot facilities, or be retired. The 5th Bomb Wing will remain in place. All activities and facilities at the base associated with the 5th Bomb Wing, including family housing, the hospital, commissary, and base exchange will remain open.

Justification: A reduction in ICBM force structure requires the inactivation of one missile group within the Air Force. The missile field at Grand Forks AFB ranked lowest due to operational concerns resulting from local geographic, geologic, and facility characteristics. Grand Forks AFB also ranked low when all eight criteria are applied to bases in the large aircraft subcategory. The airfield will be retained to satisfy operational requirements and maintain consolidated tanker resources.

If the Secretary of Defense determines that the need to retain BMD options effectively precludes realigning Grand Forks, then Minot AFB will be realigned. The missile field at Minot AFB ranked next lowest due to operational concerns resulting from spacing, ranging and geological characteristics. Minot AFB ranked in the middle tier when all eight criteria are applied to bases in the large aircraft subcategory. The airfield will be retained to satisfy operational requirements.

Return on Investment: For Grand Forks, the total estimated one-time cost to implement this recommendation is $11.9 million. The net of all costs and savings during the implementation period is a savings of $111.8 million. Annual recurring savings after implementation are $35.2 million with an immediate return on investment. The net present value of the costs and savings over 20 years is a savings of $447.0 million. Savings associated with the inactivation of a missile field were previously programmed in the Air Force budget.

Return on Investment: If Minot AFB is selected, the total estimated one-time cost to implement this recommendation is $12.0 million. The net of all costs and savings during the implementation period is a savings of $114.8 million. Annual recurring savings after implementation are $36.1 million with an immediate return on investment. The net present value of the costs and savings over 20 years is a savings of $458.6 million. Savings associated with the closure of a missile field were previously programmed in the Air Force budget.

Impacts: For Grand Forks AFB, assuming no economic recovery, this recommendation could result in a maximum potential reduction of 2,113 jobs (1,625 direct jobs and 488 indirect jobs) over the 1996-to-2001 period in the Grand Forks County, North Dakota economic area, which is 4.7 percent of the economic area's employment. Environmental impact from this action is minimal and ongoing restoration at Grand Forks AFB will continue.

Impacts: If Minot is selected, assuming no economic recovery, this recommendation could result in a maximum potential reduction of 2,172 jobs (1,666 direct jobs and 506 indirect jobs) over the 1996-to-2001 period in the Minot County, North Dakota economic area, which is 6.1 percent of the economic area's employment. Environmental impact from this action is minimal and ongoing restoration at Minot AFB will continue.

BACKGROUND PAPER
ON
GRAND FORKS AFB - ABM ISSUE

BACKGROUND

- The DoD recommendation to realign Grand Forks AFB says that "the 321st Missile Group will inactivate unless prior to December 1996 the Secretary of Defense determines that the need to retain ballistic missile defense options effectively precludes this action."

- During the March 1, 1995 hearing, Secretary Perry indicated that he could not promise a recommendation by late June, because the ABM determination requires an interagency process.

- On March 7, 1995 the Commission voted to add Minot AFB for realignment and inactivation of the 91st Missile Group if ABM considerations preclude the proposed realignment of Grand Forks AFB.

ABM AGREEMENT

- ABM Treaty--Signed May 23, 1972, ratified October 3, 1972

  -- Restricts the number of ABM deployment areas by permitting each nation to have one limited ABM system to protect its capital and another to protect an ICBM launch area. (Treaty, Article III (a), (b))

- Agreed Statements, Common Understandings, Unilateral Statements--Signed May 26, 1972

  -- Stipulates that the US ABM deployment area for defense of ICBM silos "will be centered in the Grand Forks ICBM silo launcher deployment area." (Agreed Statement, Paragraph A)

  -- Permits second site to be located in Washington DC area.

- Protocol to the ABM Treaty--Signed July 3,1974, ratified March 19, 1976

  -- Further restricts ABM deployments by requiring that "each Party shall be <u>limited at any one time to a single area</u> out of the two provided in Article III of the Treaty for the deployment of ABM systems." (Protocol, Article I)

  -- Permits each side to reverse its original choice of an ABM site, and states that the right to change from the original deployment site to the alternate site may be exercised only once. (Protocol, Article II) Thus, the US could dismantle its ABM site near Grand Forks AFB and deploy an ABM system in the Washington DC area, but not elsewhere.

  -- Requires advance notice be given prior to changing from the original deployment site to the alternate site, and stipulates that this can only be done during a year in which the ABM Treaty is scheduled for review by the Standing Consultative Committee. (Protocol, Article II) Accordingly, this could be done during the next five year review in 1997.

AIR FORCE POSITION - 1993

- During June 17, 1993 hearing, the Deputy Assistant Secretary of the Air Force for Installations (Mr. Boatwright) was asked if the ABM site would "preclude closure of Grand Forks AFB or its attached ICBM missile field now or during the 1995 round of the base closure process. He provided the following insert for the record:

> "The ABM Treaty would not preclude closure of Grand Forks AFB. A major provision of the treaty limits deployment of ABM systems to one site located either around the nation's capital or centered within a group of ICBM silo launchers. If the base is closed and all silo launchers are eliminated, the US would have the right to relocate the US ABM system to the nation's capital, not to another ICBM base or some other location. If we eliminate all the ICBM silo launchers in the deployment area and choose not to relocate the ABM system, the Treaty is unclear whether the US may leave the ABM system in place without dismantling it or reactivate it someday. The existence of the ICBM launchers was a *sine qua non* for the initial deployment of the ABM system there pursuant to Article III. But a review of the negotiating record would be required to determine whether the US would still have a right to an ABM system there. In any case, the US could seek explicit agreement of the Treaty Parties to have an ABM system there." (Emphasis added.)

DOD POSITION - 1995

- During March 1, 1995 hearing, The Deputy Secretary of Defense (Mr. Deutch) was asked about ABM implications and responded as follows:

> "In order to come to a proper judgment on it, it's not just a Department of Defense matter. We have to get interagency views from others about the treaty implications. That's going to take some period of time. I believe the material transmitted to the Commission contains a view from our General Counsel and our Undersecretary for Policy that we think it's clean from the point of view of the Treaty. But we do need to have interagency confirmation of that ..." (No separate views have been received from the General Consul or Undersecretary for Policy, but their views may be implicit in the DoD recommendation.) (Emphasis added.)

GRAND FORKS COMMUNITY POSITION

- In a December 9, 1994 letter, Ambassador Edward L. Rowny argued that closing Grand Forks AFB "would be prejudicial to the national security interest of the United States."

> -- Closing the missile field at Grand Forks AFB without working out the details with the former Soviet Union could signal that the US is working unilaterally to change the ABM Treaty.
>
> -- Moving the ABM site from Grand Forks will require negotiations that could complicate plans for eventually establishing a multiple site strategic defense of the US.

David Olson/AF Team/Mar 20, 1995/12:00

BACKGROUND PAPER

ON

NORTHERN TIER MISSILE BASES

	MINUTEMAN	PEACEKEEPER	KC-135R	B-52H
GRAND FORKS	150	0	48	0
MINOT	150	0	0	26
MALMSTROM	200	0	12	0
FE WARREN	150	50	0	0

DoD proposal closes the missile group at Grand Forks AFB or Minot AFB and moves 120 of the missiles to Malmstrom AFB to complete the Minuteman II to Minuteman III conversion program. In addition, the proposal terminates fixed-wing flying operations at Malmstrom AFB and relocates 12 KC-135R aircraft to MacDill AFB.

- Substitutes Minot AFB for Grand Forks AFB missile field only if the need to retain ABM Treaty options precludes closure of the Grand Forks missile field.

- Responds to Nuclear Posture Review requirement to eliminate one missile group/wing and addresses tanker shortfall in Southeastern US.

- Excludes the missile field at FE Warren AFB from consideration because it is the only Peacekeeper missile base, and early inactivation of Peacekeeper missiles could adversely affect START.

- Avoids moving KC-135s from Grand Forks AFB because it is one of three core tanker bases (Others are Fairchild AFB and McConnell AFB).

DoD ranked Grand Forks AFB Tier III and Minot AFB and Malmstrom AFB Tier II based on analysis of the military effectivenes of their respective missile fields and their ability to support large aircraft flying operations. FE Warren was excluded from tiering.

- JCS annual analysis shows no difference in survivability or alert rates for any of the four missile groups/wings, and no shortfall in target coverage.

- The Nuclear Posture Review recommends an ICBM force structure consisting of "three wings of Minuteman III missiles carrying single warheads (500/450)."

-- DoD analysis does not use the number of missiles (500 or 450) as a measure of missile military effectiveness. USSTRATCOM believes 500 ICBMs provide more military value.

- Ground water intrusion requires some additional maintenance at Grand Forks AFB, but is managed effectively at no discernible additional cost. Surface water problems at all missile units have been eliminated by topside grading. Other missile bases heve their own unique maintenance challenges.

COBRA Level Play analysis (below) shows that complete closure of Grand Forks AFB, Minot AFB, or Malmstrom AFB would produce substantially greater savings than the DoD proposed realignments. Data on FE Warren AFB was not included in the DoD proposal but has been requested.

1	COST TO CLOSE	ANNUAL RECURRING SAVINGS	NET PRESENT VALUE (2015)	ECONOMIC IMPACT
DOD GRAND FORKS-MALM PROPOSAL	29.3M	40.3M	501.3M	4.7% Grand Forks 2.3% Great Falls
DOD MINOT-MALM PROPOSAL	29.4M	41.1M	512.9M	6.1% Minot 2.3% Great Falls
MINOT CLOSE	59.3M	71.1M	783.5M	18.4% Minot
GRAND FORKS CLOSE	130.0M	58.4M	704.6M	15.4% Grand Forks
MALMSTROM CLOSE	32.7M	56.8M	762.9M	15.2% Great Falls
FE WARREN REALIGN	REQUESTED	REQUESTED	REQUESTED	REQUESTED

Potential options include:

- Close Minot AFB. Inactivate 150 Minuteman III missiles; Relocate 26 B-52H aircraft to Beale AFB , Fairchild AFB, or Barksdale AFB.

-- Satisfies the requirement to eliminate a missile group/wing.

-- Does not respond to the Southeastern US tanker shortfall, but this could be addressed by the separate realignment of tankers from Malmstrom AFB.

-- Counters Air Force decision to leave B-52s at Minot.

- Close Grand Forks AFB. Inactivate 150 Minuteman III missiles; Relocate 48 KC-135R tankers to Malmstrom AFB (24) and MacDill AFB (24).

-- Inactivation of missile field is uncertain due to ABM issue.

-- Breaks up one of three core tanker bases.

- Close Malmstrom AFB. Inactivate 200 Minuteman II/III missiles: Relocate 12 KC-135R tankers to Mac Dill AFB.

-- Avoids Minuteman II to Minuteman III conversion.

-- Reduces ICBM force to 450 missiles.

--Satisfies missile reduction and tanker relocation objectives.

- Realign FE Warren AFB. Inactivate 150 Minuteman III missiles to facilitate a non-BRAC closure when Peacekeeper missiles are deactivated in 2003.

-- Uncosted but likely to produce significant annual savings.

-- Does not respond to the Southeastern US tanker shortfall, but this could be addressed separately by the realignment of tankers from Malmstrom AFB.

-- Overturns Air Force decision to exclude FE Warren AFB, but avoids early inactivation of Peacekeeper missiles.

Olson/AF Team/10 April 1995/1100

USAF BASE FACT SHEET
GRAND FORKS AIR FORCE BASE, NORTH DAKOTA

MAJCOM/LOCATION/SIZE: AMC base sixteen miles west of Grand Forks with 5,422 acres

MAJOR UNITS/FORCE STRUCTURE:

- 319th Air Refueling Wing
  -- 48 KC-135R/T and 6 C-12F
- 321st Missile Group (AFSPC)
  -- 150 Minuteman III and 4 HH-1H

USAF MANPOWER AUTHORIZATIONS: (As of FY 95/2)

MILITARY--ACTIVE	4,772
CIVILIAN	462
TOTAL	**5,234**

ANNOUNCED ACTIONS:

- As a result of the DOD Bottom Up Review, the Air Force has deleted funding for 150 Minuteman launch facilities. Additional actions concerning missile launch facilities will be determined by the 1995 Base Closure and Realignment Commission.

- The Air Force will reduce approximately 11,700 civilian authorizations in fiscal year 1995. These reductions are a result of the Federal Workforce Restructuring Act of 1994, the National Performance Review, and depot workload reductions. This action helps bring Department of Defense civilian employment levels in line with overall force reductions and results in a decrease of 50 civilian manpower authorizations at Grand Forks AFB.

MILITARY CONSTRUCTION PROGRAM ($000):

FISCAL YEAR 94:

Upgrade Hydrant Fueling System (Congress Insert)	3,250
Underground Fuel Storage Tanks	2,600
Life Safety Upgrade [DMFO]	860
Alter Squadron Operations Facility (Base Closure)*	460
TOTAL	**7,170**

Basing Manager: Maj Pray/XOOB/77356
Basing Editor: Ms Wright/XOOBD/46675/12 Jan 95

GRAND FORKS AIR FORCE BASE, NORTH DAKOTA (Cont'd)

FISCAL YEAR 95:

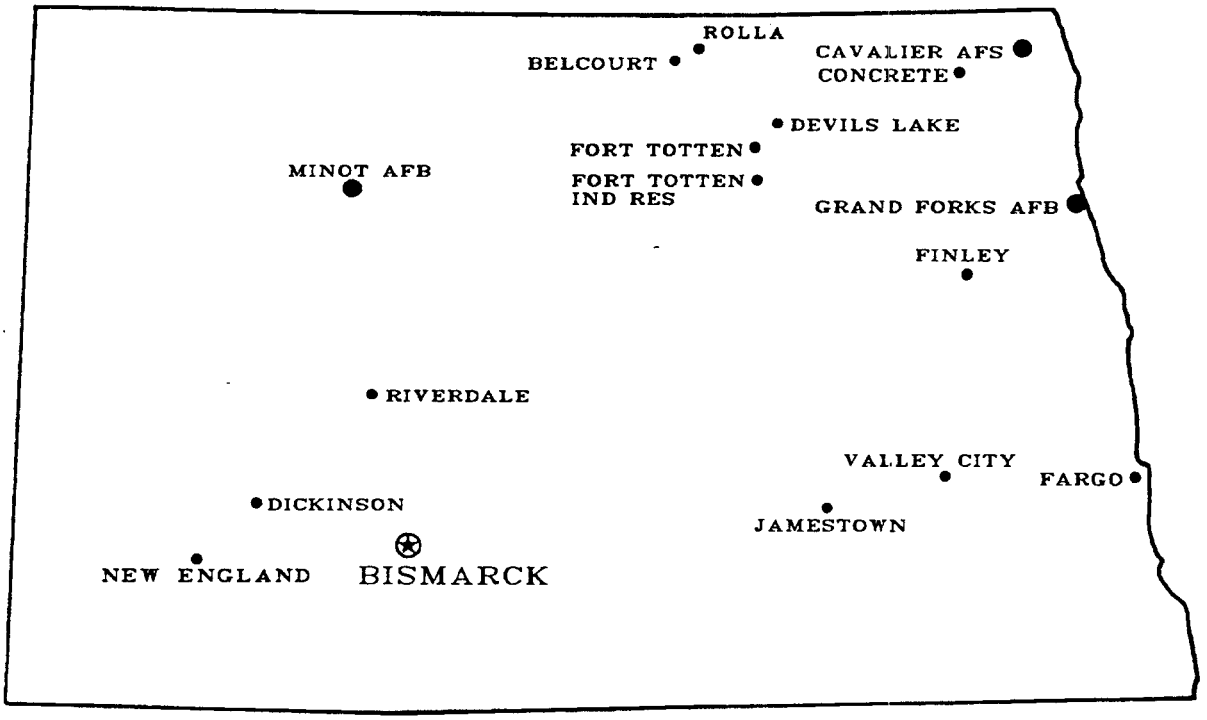
Underground Fuel Storage Tanks-Missile Facilities	5,200
Housing Office [MFH 711]	709
Alter Corrosion Control Facility (Base Closure)*	3,801
Add to Fabrication Shop (Base Closure)*	384
TOTAL	**10,094**

*Projects forecast for funding by the Base Closure Account. Associated with the 1993 Defense Base Closure and Realignment Commission recommendation to realign Griffiss AFB, NY.

SIGNIFICANT INSTALLATION ISSUES/PROBLEMS: None

MAP NO. 35

NORTH DAKOTA



STATE CAPITAL
ARMY INSTALLATION
NAVY INSTALLATION
AF INSTALLATION

Prepared By: Washington Headquarters Services
Directorate for Information
Operations and Reports

NORTH DAKOTA

FISCAL YEAR 1994 (DOLLARS IN THOUSANDS)

Personnel/Expenditures	Total	Army	Navy & Marine Corps	Air Force	Other Defense Activities
I. Personnel - Total	19,295	5,795	683	12,662	155
Active Duty Military	9,786	26	10	9,750	0
Civilian	1,702	273	1	1,273	155
Reserve & National Guard	7,807	5,496	672	1,639	0
II. Expenditures - Total	$460,379	$95,410	$9,495	$347,122	$8,352
A. Payroll Outlays - Total	340,399	45,038	6,108	285,254	3,999
Active Duty Military Pay	214,314	806	285	213,223	0
Civilian Pay	53,545	8,303	48	41,195	3,999
Reserve & National Guard Pay	34,148	26,689	801	6,658	0
Retired Military Pay	38,392	9,240	4,974	24,178	0
B. Prime Contracts Over $25,000 Total	119,980	50,372	3,387	61,868	4,353
Supply and Equipment Contracts	7,851	626	3,387	1,422	2,416
RDT&E Contracts	841	841	0	0	0
Service Contracts	65,891	3,944	0	60,010	1,937
Construction Contracts	27,244	26,808	0	436	0
Civil Function Contracts	18,153	18,153	0	0	0

Major Locations of Expenditures	Expenditures			Major Locations of Personnel	Military and Civilian Personnel		
	Total	Payroll Outlays	Prime Contracts		Total	Active Duty Military	Civilian
Grand Forks AFB	$153,542	$106,952	$46,590	Minot AFB	5,452	4,869	583
Minot AFB	145,158	123,122	22,036	Grand Forks AFB	5,295	4,753	542
Grand Forks	41,461	23,784	17,677	Fargo	397	106	291
Fargo	31,134	27,604	3,530	Bismarck	158	0	158
Minot	26,174	10,691	15,483	Devils Lake	58	0	58
Bismarck	18,618	18,534	84	New England	32	32	0
Cavalier	7,153	1,064	6,089	Cavalier	30	25	5
Devils Lake	6,255	6,144	111	Minot	24	1	23
Jamestown	4,927	1,635	3,292	Valley City	18	0	18
Valley City	2,134	2,102	32	Dickinson	6	0	6

Prime Contracts Over $25,000 (Prior Three Years)	Total	Army	Navy & Marine Corps	Air Force	Other Defense Activities
Fiscal Year 1993	$172,044	$72,962	$6,550	$71,738	$20,794
Fiscal Year 1992	146,270	69,567	6,475	56,472	13,756
Fiscal Year 1991	148,658	85,536	3,259	49,878	9,985

Top Five Contractors Receiving the Largest Dollar Volume of Prime Contract Awards in this State	Total Amount	Major Area of Work	
		FSC or Service Code Description	Amount
1. INDUSTRIAL BUILDERS, INC	$14,968	All Other Non-Building Facilities	$15,100
2. STRATA CORPORATION	8,340	Airport Runways	7,357
3. MEINECKE-JOHNSON COMPANY	6,975	Other Administrative & Service Buildings	6,975
4. DUBOIS & SONS MASONRY INC	6,838	Maint/Other Residential Buildings	3,770
5. CAPE, JAMES & SONS COMPANY	5,790	Airport Runways	5,790
Total of Above	$42,911	(35.8% of total awards over $25,000)	

Prepared by: Washington Headquarters Services
Directorate for Information
Operations and Reports

CLOSURE HISTORY - INSTALLATIONS IN NORTH DAKOTA

15-Aug-95

SVC	INSTALLATION NAME	ACTION YEAR	ACTION SOURCE	ACTION STATUS	ACTION SUMMARY	ACTION DETAIL
AF						
	CAVALIER AFS					
	GRAND FORKS AFB	93	DBCRC	ONGOING	REALIGNUP	1993 DBCRC: Closure recommendation of Griffiss AFB, NY directs movement of KC-135 aircraft into Grand Forks AFB, ND. Also, B-1Bs move to Ellsworth AFB, SD. Personnel movement in are: 320 Mil and 10 Civ.
	HECTOR FIELD IAP AGS					
	MINOT AFB	93	DBCRC	ONGOING	REALIGNUP	1993 DBCRC: Griffiss AFB, NY closure recommends relocation of B-52Hs to Minot AFB, ND. Movement of personnel into Minot: 315 Mil and 3 Civ

BASE VISIT REPORT

GRAND FORKS AIR FORCE BASE, ND

MARCH 30, 1995

LEAD COMMISSIONER:

Commissioner James B. Davis

ACCOMPANYING COMMISSIONER:

Commissioner Rebecca G. Cox
Commissioner S. Lee Kling

COMMISSION STAFF:

Mr. David Lyles, Staff Director
Mr. Wade Nelson, Communications Director
Mr. Ralph Kaiser, Counsel
Mr. Frank Cirillo, Air Force Team Leader
Mr. David Olson, Air Force Team Analyst
Mr. Frank Cantwell, Air Force Team Analyst

LIST OF ATTENDEES:

Senator Kent Conrad
Senator Byron Dorgan
Representative Earl Pomeroy
Governor Edward Schafer
Mayor Michael Polovitz, Mayor of Grand Forks
Mr. John Marshall, President, Grand Forks Chamber of Commerce
Brig Gen Jim Andrews, Commander, 319th Air Refueling Wing
Col John Gibeau, Commander, 321st Missile Group

BASE'S PRESENT MISSION:

Air Mobility Command base. Home of the 319th Air Refueling Wing (48 KC-135R). Major tenant is the 321st Missile Group (150 Minuteman III).

DOD RECOMMENDATION:

- The 321st Missile Group will inactivate unless prior to December 1996, the Secretary of Defense determines that the need to retain ballistic missile defense (BMD) options effectively

precludes this action. If the Secretary of Defense makes such a determination, Minot AFB, North Dakota, will realign and the 91st Missile Group will inactivate.

- A portion of the Minuteman III missiles from the group which is inactivated will be relocated to Malmstrom AFB, Montana, to support ongoing conversion from Minuteman II to Minuteman III.
- All activities and facilities at Grand Forks AFB associated with the 319th Air Refueling Wing, including family housing, hospital, commissary, and base exchange, will remain open.

DOD JUSTIFICATION:

- The Nuclear Posture Review recommended an ICBM force structure consisting of "three wings of Minuteman III missiles carrying single warheads (500-450)." This requires inactivation of one missile group within the Air Force.
- The missile field at Grand Forks ranked lower than Minot AFB or Malmstrom AFB due to operational concerns.
- The missile field at FE Warren AFB, Wyoming, was excluded from consideration because it is the only Peacekeeper missile base. The DoD force structure plan requires Peacekeeper missiles through the period during which BRAC actions must be taken, and inactivation of Peacekeeper missiles could have adverse START implications.

MAIN FACILITIES REVIEWED:

Nekoma ABM Site, Missile Alert Facility C-0, Launch Facility C-24, KC-135 Squadron Buildings, Upgraded Runway (Code 1), Upgraded Refueling Hydrants, Three Bay Hangar, Aircraft Maintenance Parts Store, Consolidated Aircraft Servicing System Facility, Sports and Fitness Center, Upgraded Dormitory, Base Housing, Missile Maintenance Building, Weapons Storage Area, Education Center, Officer and NCO Club Renovations, Dining Facility Upgrade, Child Development/Youth Center Upgrade, Hospital/Dental Clinic Improvements, Underground Storage Tank Replacement Program.

KEY ISSUES IDENTIFIED:

- The Air Force analysis of missile field operational effectiveness ranked Grand Forks AFB lower than Malmstrom AFB or Minot AFB based on target coverage, availability for launch, survivability, operations and maintenance accessibility, and logistics supportability.
- The 1974 Protocol to the 1972 ABM Treaty restricts each side to deployment of one ABM site located at either an ICBM field or the nation's capital. The United States agreed that its ABM system "will be centered in the Grand Forks ICBM silo launcher deployment area."
- Grand Forks AFB is one of three core tanker bases in CONUS (McConnell AFB and Fairchild AFB are the other two). Concentrating four or more tanker squadrons at each of the core bases improves the Air Force's ability to support long term forward deployments.
- Construction during 1994 upgraded the Grand Forks AFB runway condition to Code 1.

COMMUNITY CONCERNS RAISED:

- Closing the Grand Forks missile field could send a misleading signal to the former Soviet Union regarding our intent to unilaterally change the ABM treaty, and could jeopardize any future treaty negotiations with former Soviet republics.
- Retaining Grand Forks AFB as a multi-mission base (tankers and missiles) is more efficient than the current DoD proposal that creates single mission bases at Grand Forks AFB (tankers) and Malmstrom AFB (missiles).
- Costs associated with demolishing/relocating the ABM site should be included in the analysis, if it is determined that demolition/relocation is necessary.
- Air Force rationale for excluding the FE Warren AFB, WY missile field should be reviewed since Peacekeeper missiles are already scheduled for retirement in 2003.
- Complete closure of Grand Forks should not be considered because of the Air Force's core base concept for tankers Grading scale for "Mission (Missile) Requirements" awards green , yellow, and red to reflect order of finish for the three bases under consideration. The red received by Grand Forks may be misconstrued as a strong negative.
- The evaluation criteria for "Facilities Condition: Housing" is based on the number of units needing upgrade to whole house standards. The community believes this is a poor measure of overall quality of housing at Grand Forks AFB where houses have been upgraded inside and out, but have been deferred from undergoing the whole house upgrade, which would have increased their square footage, because they were in better condition than housing at many other bases.
- The Grand Forks missile field should not be graded down for water in the launch facilities. Topside grading and improved seals at the launch facilities eliminated this problem.
- The missile field at Grand Forks is the newest in the Air Force. It has always been considered fully capable of performing its assigned mission, and remains so today according to the BCEG.
- A pipeline feed to the base and the improved hydrant system assure rapid and effective aircraft refueling capability.
- The runway condition has been recently upgraded to Code 1.
- State and local zoning guarantee no future runway encroachment problems.
- On average 40 percent of the tanker aircraft are deployed to forward operating locations. As such, there is no excess tanker capacity as a result of the core base concept.

REQUESTS FOR STAFF AS A RESULT OF VISIT:

- Request focused COBRAs for closure and realignment of FE Warren AFB.
- Review Air Force rationale for excluding FE Warren AFB.
- Request Maintenance Information Management System data on alert rates, unscheduled maintenance, non-dispatch days, and wet missiles, for Grand Forks, Minot, Malmstrom, and FE Warren AFBs.
- Develop comparative cost analysis for complete closure of Minot, Grand Forks, Malmstrom or FE Warren AFB versus DoD proposed realignments.

Olson/AF Team/3 April 1995/1200

BASE VISIT REPORT

GRAND FORKS AIR FORCE BASE, ND

MAY 26, 1995

LEAD COMMISSIONER:

Commissioner Wendi L. Steele

ACCOMPANYING COMMISSIONER:

None.

COMMISSION STAFF:

Mr. David Olson, Air Force Team Analyst

LIST OF ATTENDEES:

Representative Earl Pomeroy
Lieutenant Governor Rosemarie Myrdal
Mayor Michael Polovitz, Mayor of Grand Forks
Lieutenant General Edwin Tenoso, Vice Commander, Air Mobility Command
Brigadier General Jim Andrews, Commander, 319th Air Refueling Wing
Colonel John Gibeau, Commander, 321st Missile Group

BASE'S PRESENT MISSION:

Air Mobility Command base. Home of the 319th Air Refueling Wing (48 KC-135R). Major tenant is the 321st Missile Group (150 Minuteman III).

DOD RECOMMENDATION:

- The 321st Missile Group will inactivate unless prior to December 1996, the Secretary of Defense determines that the need to retain ballistic missile defense (BMD) options effectively precludes this action. If the Secretary of Defense makes such a determination, Minot AFB, North Dakota, will realign and the 91st Missile Group will inactivate.
- A portion of the Minuteman III missiles from the group which is inactivated will be relocated to Malmstrom AFB, Montana, to support ongoing conversion from Minuteman II to Minuteman III.
- All activities and facilities at Grand Forks AFB associated with the 319th Air Refueling Wing, including family housing, hospital, commissary, and base exchange, will remain open.

COMMISSION ALTERNATIVE:

- Add for Closure. The 321st Missile Group will be inactivated and the 319th Air Refueling Wing will be relocated.

JUSTIFICATION:

- Air Force analysis identified an excess of 2 to 3 large aircraft bases. Relocation of the 319th Air Refueling Wing and closure of Grand Forks AFB reduces this excess capacity and produces significantly more savings than the DoD proposed realignment.
- The Nuclear Posture Review recommended an ICBM force structure consisting of "three wings of Minuteman III missiles carrying single warheads (500-450)." This requires inactivation of one missile group within the Air Force.
- The Air Force analysis of missile field operational effectiveness ranked Grand Forks AFB lowest based on target coverage, availability for launch, survivability, operations and maintenance accessibility, and logistics supportability.

MAIN FACILITIES REVIEWED:

Toured: KC-135 Squadron Buildings, Upgraded Runway (Code 1) ($6.5M), Upgraded Refueling Hydrants ($3.6M), Three Bay Hangar, Aircraft Maintenance Parts Store, Consolidated Aircraft Servicing System Facility, Corrosion Control Hangar, Sports and Fitness Center Renovation ($4.6M), Upgraded Dormitory ($2.5M), Base Housing, Missile Maintenance Building, Weapons Storage Area Upgrade ($2.5M), Missile Alert Facility G-0, Launch Facility.

Briefed: Hospital/Dental Clinic Improvements ($1.6M), Officer and NCO Club Renovations ($2.0M), Dining Facility Upgrade ($158K), Child Development/Youth Center Upgrade ($2.4M), Transportation/Fuels Area Upgrade ($4.1M).

KEY ISSUES IDENTIFIED:

- The decision to relocate Grand Forks tankers is independent of the decision to relocate Malmstrom tankers.
- Grand Forks has the location, capacity, facilities and infrastructure the Air Force requires for a core tanker wing.
- On average 66 percent of the Grand Forks tanker aircraft are deployed to forward operating locations or are undergoing depot maintenance. As such, in an operational context, there is no excess tanker capacity in the north central region.
- Grand Forks' north central location is operationally significant for supporting our strategic nuclear war plan; central location location is also best for other operations and training.
- Core tanker wings realize economies of scale in operations, logistics, and organization; and avoid duplication in equipment, supply, manpower, and overhead.
- Tanker units are just beginning to stabilize following a period of reorganization and high operations tempo. A significant reorganization now will impact quality of life and could disrupt readiness.

- The runway condition was upgraded to Code 1 in 1994.
- A pipeline feed to the base and an improved hydrant system assure rapid and effective aircraft refueling capability.

COMMUNITY CONCERNS/ISSUES:

- The Air Force and DoD correctly assessed the military value of Grand Forks AFB in 1993 when selecting it as a core tanker base.
- State and local zoning guarantee no future runway encroachment problems.
- The missile field at Grand Forks is the newest in the Air Force. It has always been considered fully capable of performing its assigned mission, and remains so today according to the BCEG.
- Closing the Grand Forks missile field could send a misleading signal to the former Soviet Union regarding our intent to "unilaterally change the ABM Treaty," and could jeopardize any future ballistic missile defense deployments.
- The costs of closing the Grand Forks missile field are greatly underestimated, because they do not include the costs of demolishing/relocating the ABM site.
- The Grand Forks community is "paradise" for the Air Force.
- The University of North Dakota is a tremendous asset not taken into account in the evaluation process.
- The evaluation criteria for "Facilities Condition: Housing" is based on the number of units needing upgrade to whole house standards. This is a poor measure of overall quality of housing at Grand Forks AFB where houses have been upgraded inside and out, but have been deferred from undergoing the whole house upgrade, which would have increased their square footage, because they were in better condition than housing at many other bases.

REQUESTS FOR STAFF AS A RESULT OF VISIT:

- Determine magnitude and impact of tanker shortfall in the southeast.
- Identify potential receiver bases other than Macdill or Seymour-Juhnson AFBs.
- Identify potential receiver bases for Minot B-52s.
- Determine impact of DoD proposal on Grand Forks ABM and how it may affect the cost of inactivating the ICBM field.

Olson/AF Team/May 31, 1995

1995 AIR FORCE BASE QUESTIONNAIRE

Grand Forks AFB - AMC

Section I

1. Force Structure

I.1.A **List of all on base NAF and non-Air Force activities:**

	Unit or Activity:	Personnel Authorizations for FY93/4			
		Officer	Enlisted	Civilian	Total
I.1.A.1	Pro-Serve	-	-	55	55
I.1.A.2	AAFES Anthony's Pizza	-	-	5	5
I.1.A.3	AAFES Barber Shop	-	-	6	6
I.1.A.4	AAFES Base Theater	-	-	8	8
I.1.A.5	AAFES Beauty Shop	-	-	5	5
I.1.A.6	AAFES Burger King	-	-	33	33
I.1.A.7	AAFES Card/Comic Shop	-	-	2	2
I.1.A.8	AAFES Class VI	-	-	5	5
I.1.A.9	AAFES Dry Cleaners	-	-	6	6
I.1.A.10	AAFES Flower Shop	-	-	3	3
I.1.A.11	AAFES Main Exchange	-	-	73	73
I.1.A.12	AAFES Military Clothing	-	-	4	4
I.1.A.13	AAFES Optical Shop	-	-	2	2
I.1.A.14	AAFES Overhead	-	-	10	10
I.1.A.15	AAFES Service Station	-	-	10	10
I.1.A.16	AAFES Shoppette	-	-	23	23
I.1.A.17	American National Mgt Corp	-	-	6	6
I.1.A.18	Army Corps of Eng	-	-	4	4
I.1.A.19	Army Vetinarian	1	2	1	4
I.1.A.20	Coastal Government Svs	-	-	2	2
I.1.A.21	Commissary Baggers	-	-	110	110
I.1.A.22	DECA	-	8	58	66
I.1.A.23	DFAS	-	18	19	37
I.1.A.24	DIS	-	-	2	2
I.1.A.25	DRMO	-	-	9	9
I.1.A.26	Education Service Ctr	-	-	28	28
I.1.A.27	Eielson Elementary	-	-	75	75

1995 AIR FORCE BASE QUESTIONNAIRE

Grand Forks AFB - AMC

I.1.A.28	First Liberty CU	-	-	19	19
I.1.A.29	First National Bank	-	-	4	4
I.1.A.30	Granco	-	-	8	8
I.1.A.31	HAMS	-	-	10	10
I.1.A.32	J&G Landscaping	-	-	26	26
I.1.A.33	Kay and Associates Inc	-	-	11	11
I.1.A.34	Leaf Dry Cleaning	-	-	2	2
I.1.A.35	MWR Service Contractors	-	-	75	75
I.1.A.36	Minot Vocational Workshop	-	-	8	8
I.1.A.37	NAF Accounting Support	-	-	11	11
I.1.A.38	NAF Aquatic Center	-	-	3	3
I.1.A.39	NAF Arts & Crafts	-	-	12	12
I.1.A.40	NAF Auto Hobby Shop	-	-	5	5
I.1.A.41	NAF Bowling Center	-	-	28	28
I.1.A.42	NAF Child Development Ctr	-	-	42	42
I.1.A.43	NAF Enlisted Club	-	-	61	61
I.1.A.44	NAF Golf Course	-	-	12	12
I.1.A.45	NAF Human Resources	-	-	2	2
I.1.A.46	NAF Kiddie Campus	-	-	3	3
I.1.A.47	NAF Lodging	-	-	19	19
I.1.A.48	NAF Marketing/Publicity	-	-	2	2
I.1.A.49	NAF Officers Club	-	-	24	24
I.1.A.50	NAF Outdoor Maintenance	-	-	6	6
I.1.A.51	NAF Outdoor Recreation	-	-	5	5
I.1.A.52	NAF Vetinary Clinic	-	-	1	1
I.1.A.53	NAF Youth Center	-	-	17	17
I.1.A.54	NAPA	-	-	2	2
I.1.A.55	Red Cross Office	-	-	3	3
I.1.A.56	SATO	-	-	4	4
I.1.A.57	Stone's Mobile Radio	-	-	1	1
I.1.A.58	TCI Cable TV	-	-	9	9
I.1.A.59	Tee-Com	-	-	19	19
I.1.A.60	Twining Elementary	-	-	82	82

1995 AIR FORCE BASE QUESTIONNAIRE

Grand Forks AFB - AMC

I.1.A.61	UNISYS	-	-	1	1
I.1.A.62	US Post Office	-	-	11	11
I.1.A.63	US West	-	-	4	4
I.1.A.64	United Construction	-	-	7	7
I.1.A.65	WIC	-	-	3	3
I.1.A.66	Westbrook Industries	-	-	2	2
	TOTAL:				1157

I.1.B **Remote/Geographically Separated Units receiving more then 50% of Base Operational Support from the base:**

I.1.B.1 **Supported Unit:** 119 Fighter Group **GSU - Geographically Separated Unit**
Location: Fargo, ND **REM - Remote Unit**
Support provided: Command, Disaster Preparedness, Data Processing, Education Services, Finance and Accounting, Health Services, Supply, Military Personnel Support, Mobilization Support, Mortuary Services, Weather Slupport

I.1.B.2 **Supported Unit:** 133 Airlift Wing **GSU - Geographically Separated Unit**
Location: Minneapolis, MN **REM - Remote Unit**
Support provided: Finance and Accounting, Health Services, Mobilization Support, Weather Support

I.1.B.3 **Supported Unit:** 148 Fighter Group **GSU - Geographically Separated Unit**
Location: Duluth, MN **REM - Remote Unit**
Support provided: Disaster preparedness, Data Processing, Education Services, Finance and accounting, Health Services, Supply, Legal Services, Military Personnel Support, Mortuary Services, Training Services-Small arms, AFORMS

I.1.B.4 **Supported Unit:** 25 ADS/OLAC GSU **GSU - Geographically Separated Unit**
Location: Finley, ND **REM - Remote Unit**
Support provided: Finance and accounting, Supply, Mortuary Services, Transportation-Shipping, Transportation-Packing and Crating

I.1.B.5 **Supported Unit:** 447 Med Co. **GSU - Geographically Separated Unit**
Location: Grand Forks, ND **REM - Remote Unit**
Support provided: Civil Engineer - Facility Maint., Supply

I.1.B.6 **Supported Unit:** 934 Airlift Group **GSU - Geographically Separated Unit**
Location: Minneapolis, MN **REM - Remote Unit**
Support provided: Health Services, Legal Services, Mobilization Support, Mortuary Services, Weather Support

I.1.B.7 **Supported Unit:** AFJROTC UNITS, Park Sr H **GSU - Geographically Separated Unit**
Location: Cottage Grove, MN **REM - Remote Unit**
Support provided: Administrative Support-PDO

1995 AIR FORCE BASE QUESTIONNAIRE

Grand Forks AFB - AMC

I.1.B.8 **Supported Unit:** AFJROTC Units, North HS
Location: Fargo, ND
Support provided: Administrative Support-PDO
GSU - Geographically Separated Unit
REM - Remote Unit

I.1.B.9 **Supported Unit:** AFJROTC Units, Woodbury
Location: Woodbury, MN
Support provided: Administrative Support-PDO
GSU - Geographically Separated Unit
REM - Remote Unit

I.1.B.10 **Supported Unit:** AFJROTC Units,Johnson Sr.
Location: St. Paul, MN
Support provided: Administrative Support-PDO
GSU - Geographically Separated Unit
REM - Remote Unit

I.1.B.11 **Supported Unit:** Army National Guard
Location: Bismark, ND
Support provided: PMEL Service
GSU - Geographically Separated Unit
REM - Remote Unit

I.1.B.12 **Supported Unit:** Army ROTC at UND
Location: Fargo, ND
Support provided: Police Service - Weapons Training, Audio Visual Service, Transportation-Vehicles, Food Services, Health Services, Supply - Firing Range
GSU - Geographically Separated Unit
REM - Remote Unit

I.1.B.13 **Supported Unit:** Army Recruiting Station
Location: Grand Forks, ND
Support provided: Housing and Lodging, Health Services
GSU - Geographically Separated Unit
REM - Remote Unit

I.1.B.14 **Supported Unit:** Cavalier AFS GSU
Location: Cavalier, ND
Support provided: Chaplain Services, Public Affairs, Social Actions, Disaster Preparedness, Environmental Guidance, Fire Protection, MWR Services, Police Services - (Security, Explosive and narcotic detecting dog team, Detention Service, Security vehicles, Pass and ID, Security investigation, Criminal Investigation, Counter Intelligence, Combat Arms, Training, Temporary Personnel), Safety-Flight and Ground, Administrative Services, Audio/visual Services, Civilian Personnel Services, Communication Services, Community/Family Support, Education Services, Explosive Ordanance, CE-Real Property Support, Finance and Accounting, Health Services, Supply, Laundry and dry cleaning, Legal Services, Military Personnel Support, Mortuary Support, Purchasing and Contracting, Resource Management, Training, Transportation-Vehicles, Transportation-Vehicle maintenance, Transportation-Packing and crating, PMEL Support, Manpower management
GSU - Geographically Separated Unit
REM - Remote Unit

I.1.B.15 **Supported Unit:** DFS
Location: Grand Forks, ND
Support provided: Fire Protection, Police Services, Safety, Communications, Facility Maintenance, Finance and Accounting, Health Services, Supply - Storage Operations, Training - On site safety training, PMEL Service
GSU - Geographically Separated Unit
REM - Remote Unit

1995 AIR FORCE BASE QUESTIONNAIRE

Grand Forks AFB - AMC

I.1.B.16 **Supported Unit:** Flinflon Test Station GSU **GSU - Geographically Separated Unit**
Location: Flinflon, Canada **REM - Remote Unit**
Support provided: PMEL Support, Transportation-Shipping, Transportation-Packing and Crating

I.1.B.17 **Supported Unit:** Johnson Sr. HS **GSU - Geographically Separated Unit**
Location: St. Paul, MN **REM - Remote Unit**
Support provided: Audio/Visual, Data Processing/computer mx, Food Service, Finance and Accounting, Health Services, Housing and Lodging, Supply, Resource Mgmt, Transportation- Shipment of supplies, Packing and Crating

I.1.B.18 **Supported Unit:** M.E.P.S. **GSU - Geographically Separated Unit**
Location: Fargo, ND **REM - Remote Unit**
Support provided: Finance and Accounting, Health Services, Legal Services, Military Personnel Support, Mortuary Services, Transportation - Pax service, Transportation - Packing and Crating

I.1.B.19 **Supported Unit:** Mickelson Safeguard Complex **GSU - Geographically Separated Unit**
Location: Nekoma, ND **REM - Remote Unit**
Support provided: Health Services, Purchasing Contracting

I.1.B.20 **Supported Unit:** Naval Reserve Center **GSU - Geographically Separated Unit**
Location: Fargo, ND **REM - Remote Unit**
Support provided: Supply

I.1.B.21 **Supported Unit:** North HS **GSU - Geographically Separated Unit**
Location: Fargo, ND **REM - Remote Unit**
Support provided: Audio/Visual, Data Processing/computer mx, Food Service, Finance and Accounting, Health Services, Housing and Lodging, Supply, Resource Mgmt, Transportation- Shipment of supplies, Packing and Crating

I.1.B.22 **Supported Unit:** OMEGA Statoin **GSU - Geographically Separated Unit**
Location: LaMoure, ND **REM - Remote Unit**
Support provided: Transportation - Vehicles

I.1.B.23 **Supported Unit:** Park Sr HS **GSU - Geographically Separated Unit**
Location: Cottage Grove, MN **REM - Remote Unit**
Support provided: Audio/Visual, Data Processing/computer mx, Food Service, Finance and Accounting, Health Services, Housing and Lodging, Supply, Resource Mgmt, Transportation- Shipment of supplies, Packing and Crating

1995 AIR FORCE BASE QUESTIONNAIRE

Grand Forks AFB - AMC

I.1.B.24 **Supported Unit:** ROTC, DET 610, NDSU — **GSU - Geographically Separated Unit**

Location: Fargo, ND — **REM - Remote Unit**

Support provided: Public Affairs, Social Affairs, Fire Protection, MWR - aerobics testing, Police Services - Pass and ID, Transportation - Vehicles, Administrative Support - Records Management, Administrative Support - Reprographics, Administrative Support - PDO, Administrative Support - Suggestion Program, Audio/Visual, Data Processing/Computer Training, Communication Support, Education Assistance, Finance and Accounting, Health Services, Housing and Lodging, Supply, Military Personnel Support, Mortuary Services, Printing/Reproduction, Purchasing/Contracting, Resource Mgmt, Transportation- Shipment of supplies, packing and crating

I.1.B.25 **Supported Unit:** USAF Recruiting Squadron — **GSU - Geographically Separated Unit**

Location: Snelling, MN — **REM - Remote Unit**

Support provided: Public Affairs, Social Actions, MWR Services, Administrative Services, Audio/Visual Services, Civilian Personnel Services, Education Services, Finance and Accounting, Health Services, Housing and Lodging, Laundry and Dry Cleaning, Supply, Legal Services, Military Personnel Support, Mortuary Services, Printing and Reproduction, Purchasing and Contracting, Resource Management, Community Relations, Retired Affairs

I.1.B.26 **Supported Unit:** Woodbury HS — **GSU - Geographically Separated Unit**

Location: Woodbury, MN — **REM - Remote Unit**

Support provided: Audio/Visual, Data Processing/computer mx, Food Service, Finance and Accounting, Health Services, Housing and Lodging, Supply, Resource Mgmt, Transportation- Shipment of supplies, Packing and Crating

1995 AIR FORCE BASE QUESTIONNAIRE

Grand Forks AFB - AMC

2. Operational Effectiveness

A. Air Traffic Control

ATCALS - Air Traffic Control and Landing Systems
NAS - National Airspace System

I.2.A.1 Some of the base ATCALS are officially part of the NAS.

I.2.A.2 Details for specific ATC facilities:

	(A.2) ATC Summary:		(A.3) Detailed traffic counts:				
	Type of Facility	Total Traffic Count	Civil Traffic Count	Military Traffic Count	ILS Traffic Count	PAR Traffic Count	Non-PAR Traffic Count
RAPCON	2	98374	86520	11854	9275	0	424
Tower	2	40104	8426	31678	N/A	N/A	N/A

I.2.A.4 The primary instrument runway is designated 35

0 operations were conducted this runway during calander year 1993

I.2.A.5 Known or potential airspace problems that may prevent mission accomplishment:

Review of LOAs show no projected airspace problems

I.2.A.6 The base does Not experience ATC delays.

B. Geographic Location

I.2.B.1 Nearest major primary airlift customer: FORT McCOY distance 363 NM

Nearest major primary airdrop customer: FORT RILEY distance 528 NM

I.2.B.2 Distance to foward deployment Air Bases:

Lajes AB: 3106 NM

1995 AIR FORCE BASE QUESTIONNAIRE

Grand Forks AFB - AMC

Rota AB:	4078 NM
Hickam AFB:	3318 NM
RAF Mildenhall:	3750 NM

	Class of Airfield:	Name	Distance from Base
I.2.B.3	Military airfield, runway >= 3,000ft	HECTOR INTL	67
I.2.B.4	Military airfield, runway >= 8,000ft	HECTOR INTL	67
I.2.B.5	Military airfield, runway >= 10,000ft	MINOT AFB	161
I.2.B.6	Military or civilian airfield, runway >= 3,000ft	Mark Andrews Int'l	14
I.2.B.7	Military or civilian airfield, runway >= 8,000ft	Hector Field, ND	68
I.2.B.8	Military or civilian airfield, runway >= 10,000ft	Minot AFB	161
I.2.B.9	Civilian airfield, runway >= 8,000ft for capable of conducting short term operations	Hector Field, ND	68
I.2.B.10	Civilian airfield, runway >= 10,000ft for capable of conducting short term operations	Duluth Int'l	224

I.2.B.11 **Name and distance to an emergency landing airfield compatible with aircraft flown at the base.**

Hector Field 68 NM

C. Training Areas (Special Use Airspace (SUA), Ranges, Military Training Routes (MTRs), Drop Zones (DZs), Military Operating Areas (MOAs))

I.2.C.1 **There are No supersonic Air Combat Training (ACBT) MOAs or warning/restricted areas (minimum size of 4,200 sq NM) within 300 NM.**

I.2.C.2 **There are No MOAs or warning/restricted areas (minimum size of 2,100 sq NM and an altitude block of at least 20,000 ft) within 200 NM.**

I.2.C.3 **Low altitude MOAs and warning/restricted areas, with a minimum size of 2,100 sq NM and a floor no greater than 2,000 ft, within 600 NM:**

Area Name	Distance	Area Name	Distance	Area Name	Distance
TIGER NORTH	85 NM	WILLISTON	297 NM	POWDER RIVER A	335 NM
O'NEILL	363 NM	HAYS	454 NM		

I.2.C.4 **Scorable range complexes / target arrays (capable of or having tactical targets, conventional targets, and strafe), within 800 NM:**

1995 AIR FORCE BASE QUESTIONNAIRE

Grand Forks AFB - AMC

Area Name	Distance	Area Name	Distance	Area Name	Distance
HARDWOOD	377 NM	SMOKEY HILL	556 NM	GRAYLING	562 NM
AIRBURST	658 NM	CANNON	660 NM	ATTERBURY	716 NM
JEFFERSON PROVING G	748 NM	RAZORBACK	777 NM	EAGLE/UTTR	787 NM

I.2.C.5 **Nearest electronic combat (EC) range and distance from base:**

HARDWOOD 377 NM

I.2.C.6 **Nearest Air Combat Maneuvering Instrumentation (ACMI) range and distance from base:**

VOLK FIELD MDS 383 NM

I.2.C.7 **Nearest full-scale, heavyweight (live drop or inert) range and distance from base:**

HARDWOOD 377 NM

I.2.C.8 **Total number of slow routes (SR) / visual routes (VR) / instrument routes (IR) with entry points within:**

Type of Route:	100 NM	150 NM	200 NM	400 NM	600 NM	800 NM
IR	0	2	5	26	41	72
SR	0	0	0	7	18	63
VR	0	0	0	10	33	71
Total Routes:	**0**	**2**	**5**	**43**	**92**	**206**

Identify Routes:

IR-605	127 NM	IR-925	147 NM								
IR-430	160 NM	IR-490	160 NM	IR-492	160 NM						
IR-606	223 NM	SR-730	238 NM	SR-731	238 NM	IR-678	248 NM	IR-480	262 NM	IR-481	262 NM
SR-727	263 NM	SR-728	266 NM	SR-729	266 NM	IR-644	270 NM	IR-649	270 NM	VR-604	273 NM
VR-607	283 NM	IR-613	286 NM	VR-1616	297 NM	IR-431	315 NM	IR-482	315 NM	VR-1629	318 NM
IR-508	321 NM	IR-509	321 NM	VR-1521	325 NM	IR-429	336 NM	IR-499	336 NM	IR-476A	336 NM
IR-476	336 NM	IR-473	336 NM	VR-1650	338 NM	IR-485	349 NM	SR-776	370 NM	VR-1666	373 NM
VR-510	377 NM	IR-484	378 NM	VR-1648	381 NM	SR-785	384 NM	IR-500	385 NM	IR-501	385 NM
VR-540	392 NM	IR-518	397 NM								
IR-478	403 NM	IR-479	403 NM	IR-479A	403 NM	IR-478A	403 NM	IR-514	414 NM	IR-517	421 NM
VR-1515	421 NM	VR-1520	421 NM	IR-609	436 NM	SR-771	456 NM	VR-541	457 NM	IR-505	469 NM
VR-512	471 NM	VR-545	472 NM	SR-773	474 NM	IR-507	479 NM	VR-511	481 NM	VR-1523	485 NM
IR-524	491 NM	VR-1636	497 NM	SR-618	500 NM	SR-619	500 NM	IR-506	501 NM	VR-1522	501 NM
SR-616	507 NM	SR-617	507 NM	SR-774	509 NM	SR-540	517 NM	SR-541	517 NM	SR-542	517 NM
VR-1639	522 NM	VR-634	527 NM	IR-527	534 NM	IR-416	548 NM	VR-552	551 NM	VR-544	558 NM
VR-1574	560 NM	VR-1644	562 NM	VR-1647	562 NM	VR-1645	563 NM	VR-536	564 NM	VR-1525	570 NM

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VR-531	574 NM	IR-415	581 NM	VR-1626	585 NM	SR-781	589 NM	IR-614	592 NM	VR-1635	592 NM
VR-664	593 NM										
SR-782	610 NM	IR-502	611 NM	IR-504	611 NM	VR-533	614 NM	VR-412	623 NM	VR-413	623 NM
VR-532	624 NM	VR-1627	625 NM	VR-1628	625 NM	VR-615	627 NM	IR-409	630 NM	VR-534	633 NM
VR-535	633 NM	IR-498	643 NM	IR-414	644 NM	IR-503	651 NM	VR-1640	651 NM	VR-1641	660 NM
VR-1642	660 NM	VR-138	662 NM	IR-185	667 NM	VR-119	667 NM	SR-702	671 NM	VR-1679	673 NM
SR-701	675 NM	SR-703	675 NM	VR-1624	678 NM	VR-1625	678 NM	IR-175	684 NM	IR-618	686 NM
VR-619	686 NM	IR-181	689 NM	IR-183	689 NM	VR-1546	691 NM	IR-592	697 NM	VR-1617	699 NM
VR-1638	699 NM	IR-145	706 NM	IR-146	706 NM	VR-1130	706 NM	IR-171	709 NM	IR-182	709 NM
VR-1667	717 NM	VR-152	735 NM	IR-177	737 NM	IR-610	740 NM	VR-108	748 NM	VR-1668	748 NM
VR-1174	749 NM	SR-294	752 NM	VR-1182	752 NM	SR-295	752 NM	SR-709	755 NM	SR-712	755 NM
SR-715	755 NM	VR-1422	759 NM	VR-1423	759 NM	SR-239	761 NM	IR-157	762 NM	VR-1141	762 NM
IR-174	762 NM	IR-418	763 NM	IR-420	763 NM	IR-117	765 NM	VR-1113	765 NM	VR-1137	765 NM
VR-1128	765 NM	IR-320	767 NM	IR-120	768 NM	VR-1102	768 NM	SR-296	768 NM	VR-1140	769 NM
SR-206	773 NM	SR-223	774 NM	SR-707	774 NM	SR-708	774 NM	SR-711	774 NM	SR-714	774 NM
SR-713	774 NM	SR-710	774 NM	SR-224	774 NM	IR-172	776 NM	IR-173	776 NM	SR-205	776 NM
IR-302	787 NM	VR-1304	787 NM	IR-301	790 NM	SR-225	790 NM	SR-059	791 NM	SR-061	791 NM
SR-218	791 NM	SR-220	791 NM	SR-222	791 NM	SR-221	791 NM	SR-237	791 NM	SR-232	791 NM
SR-231	791 NM	SR-230	791 NM	SR-229	791 NM	SR-227	791 NM	SR-226	791 NM	SR-219	791 NM
SR-216	791 NM	SR-062	791 NM	SR-060	791 NM	SR-732	793 NM	SR-735	793 NM	SR-734	793 NM
SR-733	793 NM	SR-737	796 NM	SR-738	798 NM	IR-107	799 NM	IR-110	800 NM	VR-1446	800 NM

I.2.C.9 **IR-430 is the closest 400 series Military Training Route (MTR) which leads into the Tactics Training Range Complex (TTRC). Point A is 160 NM from the base.**

I.2.C.10 **Total number of Air Refueling (AR) routes with anchor points for refueling anchors or air refueling control points (ARCPs) for refueling tracks within:**

200 NM	300 NM	500 NM
6	10	33

I.2.C.10.a **Routes and distance to route's control point:**

Refueling Route	Distance	Refueling Route	Distance	Refueling Route	Distance	Refueling Route	Distance
AR-619	55 NM	AR-453	111 NM	AR-606	115 NM	AR-629	134 NM
AR-106H WEST	183 NM	AR-106L WEST	183 NM				
AR-106H EAST	272 NM	AR-106L EAST	272 NM	AR-109H EAST	286 NM	AR-109L EAST	286 NM
AR-012H WEST	302 NM	AR-012L WEST	302 NM	AR-605	327 NM	AR-105 EAST	339 NM
AR-105 WEST	339 NM	AR-019 SOUTH	350 NM	AR-024 SOUTH	350 NM	AR-607	368 NM

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AR-017 SOUTH	370 NM	AR-012H EAST	380 NM	AR-012L EAST	380 NM	AR-604	420 NM
AR-109H WEST	421 NM	AR-109L WEST	421 NM	AR-011 WEST	424 NM	AR-014 WEST	424 NM
AR-019 NORTH	425 NM	AR-024 NORTH	425 NM	AR-640A	440 NM	AR-017 NORTH	444 NM
AR-321	448 NM	AR-318 EAST	491 NM	AR-318 WEST	496 NM		

I.2.C.10b **The total number of refueling events within:**

500 NM	700 NM
2286	4252

Track	Distance	Events	Track	Distance	Events	Track	Distance	Events	Track	Distance	Events
AR-106	183 NM	483	AR-109	286 NM	213	AR-012H	302 NM	141	AR-012L	302 NM	107
AR-105	339 NM	285	AR-024	350 NM	149	AR-017	370 NM	186	AR-011	424 NM	87
AR-014	424 NM	635			0			0			0
AR-016	519 NM	157	AR-309	549 NM	138	AR-116	577 NM	541	AR-010	610 NM	525

I.2.C.10c **The nearest concentrated receiver area (AR track with at least 500 events) is 183NM from the base."**

I.2.C.10d **Percentage of tanker demand in region:** 5.0
Percentage of tankers based in region: 15.0

Tanker saturation within the region has been classified as tanker Rich

I.2.C.11 **Drop zones (DZs) listed in AMC Pamphlet 55-57 (9 Jun 94) within 150 NM with a minimum size of 700 by 1000 yards:**

Name	Distance	Night?	Personnel?	Equipment?	Route Count IR	Route Count SR
HUGE	350 NM		✔		0	0
NICOLE (CIR)	163 NM	✔	✔	✔	0	0
NIGHTHAWK	330 NM		✔		0	0

I.2.C.11.a

I.2.C.12 **Closest primary landing zone (LZ) listed in AMC Pamphlet 55-57 (9 Jun 94) with a minimum size of 3000 by 60 ft:**

KALAHAR 168 NM

I.2.C.13 **Nearest full scale drop zone(s) (minimum size 1000 by 1500 yds) which can be used for personnel drops or night equipment drops:**

Name	Distance	Night?	Personnel?	Equipment?	Route Count IR	Route Count SR
NIGHTHAWK	330 NM		✔		0	0
TOMAH	369 NM	✔	✔	✔	0	0

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1.2.C.14 **Name and distance to ground force installation (US Army, USMC) with a restricted airspace capable of supporting tactical aircraft employment (floor no higher than 100 ft AGL, ceiling no lower than 3,00 ft AGL, minimum area 25000 sq NM>**

CAMP GRAYLING 565 NM

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D. Ranges

Ranges (Controlled/managed by the base)

I.2.D.1 The base Does not control or manage any ranges, questions I.2.D.2 to I.2.D.17 skipped.

Ranges (Used by the base)

I.2.D.18 The base uses ranges on a regular basis

I.2.D.19 The mission and training is Not adversely impacted by training area airspace encroachment or other conflicts.

I.2.D.20 MOAs/bombing ranges/other training areas have No scheduling restrictions/limitations.

I.2.D.21 MOAs/bombing ranges/other training areas have No projected scheduling restrictions/limitations.

I.2.D.22 No significant changes/restrictions/limitations effecting the scheduling of low level routes in progress.

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E. Airspace Used by Base

I.2.E.1 **Airspaces scheduled or managed by the base:**

AR 106H/L Air Refueling Track / Anc

Details for airspace scheduled or managed by the base:

Airspace: AR 106H/L

I.2.E.2 **An environmental analysis has Not been conducted for this airspace.**

I.2.E.3 **There are No Noise Sensitive Areas associated with the airspace.**

I.2.E.4 **Commercial / civilian encroachment problems associated with the airspace:**

I.2.E.5 **There are No planned expansions (including new airspace) to the base's special use airspace.**

I.2.E.6 **Restrictions currently acting on this airspace:**

Altitude restrictions apply

I.2.E.7 **Published availability of the airspace:**

AR 106L/H is available on a 24 hour basis.

Range scheduling statistics (yearly average from 1990 to 93.

I.2.E.7.a **Hours scheduled:** 320 hrs

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I.2.E.7.b **Hours used:** 289 hrs

I.2.E.7.c **Reasons for non-use:**

The reason for the difference in scheduled and actual hours used on AR 106 H/L was weather and maintenance cancellations.

I.2.E.8 **Utilization of the airspace can be increased.**

I.2.E.9 **It is possible to expand hours to increase the airspace utilization, volume can Not be expanded.**

I.2.E.10 **Description of the volume or area of the Airspace:**

The area of AR 106 H/L is a 10 MN corridor either side of a track from Aberdeen to Miles City 341/021. The vertical limits are 17,000 MSL to FL 230 for the low track, and FL 260 to FL 310 for the high track.

I.2.E.11 **100.00 percent of the airspace is usable.**

Commercial Aviation Impact

I.2.E.12 **The base is Not joint-use (military/civilian).**

I.2.E.13 **List of all airfields within a 50 mile radius of the base:**

Airfield:	Airfield:
Anderson	Civilian
Bakke	Civilian
Berg	Civilian
Boeder	Civilian
Breckmeier	Civilian
Central Valley	Civilian
Christianson	Civilian
Cooperstown	General Aviation
Crookston	General Aviation
Dakota	Civilian
Deck	Civilian
Downs	Civilian
Drayton	General Aviation
Elliot	Civilian
Erickson	Civilian
Fordville	Civilian
Frokjer	Civilian
Fugleberg	Civilian
Gasper	Civilian

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Gensrick	Civilian
Haegun Farm	Civilian
Hashbarger Farm	Civilian
Hillsboro	General Aviation
Ingebretson	Civilian
Inkster	General Aviation
J&T	Civilian
Jenson	Civilian
Johnson	Civilian
Kaml	Civilian
Karlstad	General Aviation
Kelly	Civilian
Klessig	Civilian
Knutson	Civilian
Kyllo	Civilian
Lakota	General Aviation
Larimore	General Aviation
Mark Andrews International	Commercial
Marquart	Civilian
McVille	General Aviation
Miller	Civilian
Minto	General Aviation
Morton	Civilian
Olafson	Civilian
Page Reg.	Civilian
Park River	General Aviation
Pulkrabek	Civilian
Red Lake Falls	General Aviation
Richtsmeier	Civilian
Rickettybach	Civilian
Rigg	Civilian
Sanderson	Civilian
Saure	Civilian
Schmitz	Civilian

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Sky Ranch	Civilian
Sobolik	Civilian
Spud	Civilian
St. Thomas	General Aviation
Stephen	General Aviation
Thief River Falls	Commercial
Vince	General Aviation
Walsner	Civilian
Warren	General Aviation

I.2.E.14 **Civilian/commercial operators or other airspace users do Not pose scheduling, operational, or environmental constrains or limits.**

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F. Potential for Growth in Training Airspace (Area)

I.2.F.1 **Expansion of training airspace is possible.**

I.2.F.1.a **Estimated expansion potential is 50.0 percent. Rationale for estimate:**

There is room for added air refueling tracks in the area but our present track is enough for local training.

I.2.F.2 **Current access is expected to change.**

I.2.F.3 **No reductions in training airspace are expected.**

I.2.F.4 **Current special use airspace and training areas meet all training requirements.**

I.2.F.4.a **Deployed, off-station training is not required to meet training requirements.**

G. Composite / Integrated Force Training

I.2.G.1 **Nearest Active Duty or Reserve ground combat unit where joint training can be accomplished and that has impact areas capable of tactical employment:**

CAMP RIPLEY

172 NM from the base.

I.2.G.2 **DELETED**

I.2.G.3 **Nearest Naval unit where joint training can be accomplished:**

Oceana NAS, VA

1168 mi from the base.

I.2.G.4 **Nearest Active Duty Air Force or ARC unit where dissimilar training can be accomplished:**

Hector Field, Fargo, ND

76 mi from the base.

I.2.G.5 **DELETED**

H. Missile Bases (AF Space Command)

Applies to missile bases only. Responses are classified.

I. Technical Training (Air Education and Training Command)

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I.2.1 No technical training mission.

J. Weather Data (AF Environmental Technical Applications Center)

I.2.J.1 Percentage of time the weather is at or above (ceiling / visibility)

a. 200 ft / ½ mi:	b. 300 ft / 1 mi:	c. 1500 ft / 3 mi:	d. 3000 ft / 3 mi:	e. 3000 ft / 5 mi:
99.3	98.1	89.0	82.5	81.2

I.2.J.2 Crosswind component to the primary runway:

I.2.J.2.a Is at or below 15 knots 88.5 percent of the time

I.2.J.2.b Is at or below 25 knots 97.3 percent of the time

I.2.J.3 85 Days have freezing partcipitation (mean per year).

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Section II

1. Installation Capacity & Condition

A. Land

	Site	Description	Total Acreage	Acreage Presently Developed	Acreage Suitable for New Development
II.1.A.1	Defense Fuels	Fuel Depot	28	11	
II.1.A.2	Finley AS	Air Station	84		69
II.1.A.3	Grand Forks AFB	Main Base	5,406	1,214	779
II.1.A.4	GWEN Sites	EXXX, FSGR	22		
II.1.A.5	Missile	MAFs & MF	18,075	1,811	
II.1.A.6	Radio Relays	JGAP, JGAQ, JGAR	3		
II.1.A.7	Rivet Mile	JFSA	4		
II.1.A.8	Waste Annex	Lagoon	324	265	55
		TOTALS:	23,946	3,301	903

B. Facilities

II.1.B.1 From real property records:

	Facility Category Code	Category Description	Units of Measure	(A) Required Capacity	(B) Current Capacity	Percentage (%) Cond Code 1	Percentage (%) Cond Code 2	Percentage (%) Cond Code 3	(C) Excess Capacity
II.1.B.1.a.i	121-122	Hydrant Fueling System Pits	EA	38	23	48.0	52.0	0.0	0
II.1.B.1.a.ii	121-122a	Consolidated Aircraft Support System	EA	2	2	100.0	0.0	0.0	0
II.1.B.1.b	131	Communications-Buildings	SF	N/A	19,973	74.0	26.0	0.0	N/A
II.1.B.1.c	141	Operations-Buildings	SF	N/A	175,148	80.0	20.0	0.0	N/A
II.1.B.1.c.i	141-232	Aerial Delivery Facility	SF	N/A	0		0.0	0.0	0
II.1.B.1.c.ii	141-753	Squadron Operations	SF	160,542	48,417	60.0	40.0	0.0	0
II.1.B.1.c.iii	141-782	Air Freight Terminal	SF	N/A	0		0.0	0.0	0
II.1.B.1.c.iv	141-784	Air Passenger Terminal	SF	N/A	0		0.0	0.0	0
II.1.B.1.c.v	141-785	Fleet Service Terminal	SF	N/A	0		0.0	0.0	0
II.1.B.1.d	171	Training Buildings	SF	N/A	101,875	97.0	3.0	0.0	N/A
II.1.B.1.d.i	171-211	Flight Training	SF	N/A	0		0.0	0.0	0
II.1.B.1.d.ii	171-211a	Combat Crew Trng Squadron Facility	SF	N/A	0		0.0	0.0	0
II.1.B.1.d.iii	171-212	Flight Simulator Training (High Bay)	SF	33,000	28,474	100.0	0.0	0.0	0
II.1.B.1.d.iv	171-212a	Companion Trng Program	SF	0	0		0.0	0.0	0
II.1.B.1.d.v	171-618	Field Training Facility	SF	15,884	15,884	100.0	0.0	0.0	0

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II.1.B.1.e	211	Maintenance Aircraft	SF	N/A	528,247	69.0	31.0	0.0	N/A
II.1.B.1.e.i	211-111	Maintenance Hanger	SF	9,793	9,793	100.0	0.0	0.0	0
II.1.B.1.e.ii	211-152	General Purpose Aircraft Maintenance	SF	36,000	69,936	86.0	14.0	0.0	33,936
II.1.B.1.e.iii	211-152a	DASH 21	SF	2,000	120	100.0	0.0	0.0	0
II.1.B.1.e.iv	211-153	Non-Destructive Inspection (NDI) Lab	SF	4,000	4,095	0.0	100.0	0.0	95
II.1.B.1.e.v	211-154	Aircraft Maintenance Unit	SF	36,640	16,680	100.0	0.0	0.0	0
II.1.B.1.e.vi	211-157	Jet Engine Insection and Maintenance	SF	3,600	33,300	100.0	0.0	0.0	29,700
II.1.B.1.e.vii	211-157a	Contractor Operated Main Base Supply	SF	N/A	0		0.0	0.0	0
II.1.B.1.e.viii	211-159	Aircraft Corrosion Control Hanger	SF	35,000	46,972	20.0	80.0	0.0	11,972
II.1.B.1.e.ix	211-173	Large Aircraft Maintenance Dock	SF	171,500	237,670	64.0	36.0	0.0	66,170
II.1.B.1.e.x	211-175	Medium Aircraft Maintenance Dock	SF	0	0		0.0	0.0	0
II.1.B.1.e.xi	211-177	Small Aircraft Maintenance Dock	SF	25,665	25,665	0.0	100.0	0.0	0
II.1.B.1.e.xii	211-179	Fuel System Maintenance Dock	SF	36,000	79,888	100.0	0.0	0.0	43,888
II.1.B.1.e.xiii	211-183	Test Cell	SF	4,248	4,248	100.0	0.0	0.0	0
II.1.B.1.f	212	Maint Guided Missiles	SF	N/A	123,058	56.0	29.0	15.0	N/A
II.1.B.1.f.i	212-212	Missile Assembly (Build-Up) Shop	SF	N/A	0		0.0	0.0	0
II.1.B.1.f.ii	212-212a	Integrated Maintenance Facility (cruise Missiles)	SF	N/A	0		0.0	0.0	0
II.1.B.1.f.iii	212-213	Tactical Missile Maintenance Shop	SF	N/A	0		0.0	0.0	0
II.1.B.1.f.iv	212-220	Integrated Maintenance Facility	SF	34,432	34,432	6.0	94.0	0.0	0
II.1.B.1.g.	214	Maintenance-Automotive	SF	N/A	184,772	100.0	0.0	0.0	N/A
II.1.B.1.g.i	214-425	Trailer/Equipment Maintenance Facility	SF	75,810	80,471	100.0	0.0	0.0	4,661
II.1.B.1.g.ii	214-467	Refueling Vehicle Shop	SF	2,700	3,192	100.0	0.0	0.0	492
II.1.B.1.h	215-552	Weapons and Release Systems (Armament Sho	SF	17,500	14,436	100.0	0.0	0.0	0
II.1.B.1.i	216-642	Conventional Munitions Shop	SF	3,500	17,732	100.0	0.0	0.0	14,232
II.1.B.1.j	217	Maint-Electronics and Communications Equip	SF	N/A	35,700	58.0	36.0	6.0	N/A
II.1.B.1.j.i	217-712	Avionics Shop	SF	16,000	17,443	12.0	75.0	13.0	1,443
II.1.B.1.j.ii	217-712a	LANTIRN	SF	0	0		0.0	0.0	0
II.1.B.1.j.iii	217-713	ECM Pod Shop and Storage	SF	N/A	0		0.0	0.0	0
II.1.B.1.k.i	218-712	Aircraft Support Equipment Shop/Storage Facility	SF	28,000	37,360	100.0	0.0	0.0	9,360
II.1.B.1.k.ii	218-852	Survival Equipment Shop (Parachute)	SF	17,783	13,427	100.0	0.0	0.0	0
II.1.B.1.k.iii	218-868	Precision Measurement Equipment Lab	SF	5,000	7,867	100.0	0.0	0.0	2,867
II.1.B.1.l	219	Maintenance-Installation, Repair, and Ops	SF	N/A	127,492	90.0	0.0	10.0	N/A
II.1.B.1.m	310	Science Labs	SF	N/A	0		0.0	0.0	N/A
II.1.B.1.n	311	Aircraft RDT&E Facilities	SF	N/A	0		0.0	0.0	N/A
II.1.B.1.o	312	Missile and Space RDT&E Facs	SF	N/A	0		0.0	0.0	N/A
II.1.B.1.p	315	Weapons and Weapon Syst RDT&E Facilities	SF	N/A	0		0.0	0.0	N/A

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II.1.B.1.q	317	Elect Comm & Elect Equip RDT&E Facilities	SF	N/A	0		0.0	0.0	N/A
II.1.B.1.r	318	Propulsion RDT&E Facilities	SF	N/A	0		0.0	0.0	N/A
II.1.B.1.s.i	411-135	Jet Fuel Storage	BL	50,000	325,000	100.0	0.0	0.0	275,000
II.1.B.1.t	422	Ammunition Storage Installation & Ready Use	SF	N/A	111,288	100.0	0.0	0.0	N/A
II.1.B.1.t.i	422-253	Multi-Cubicle Magazine Storage	SF	33,526	38,025	100.0	0.0	0.0	4,499
II.1.B.1.t.ii	422-258	Above Ground Magazine	SF	0	0		0.0	0.0	0
II.1.B.1.t.iii	422-264	Igloo Magazine	SF	25,789	55,000	100.0	0.0	0.0	29,211
II.1.B.1.t.iv	422-265	Spare Inert Storage (Alternate Mission Equipmen	SF	0	12,476	100.0	0.0	0.0	12,476
II.1.B.1.t.v	422-275	Ancillary Explosives Facility (Holding Pad)	SF	N/A	0		0.0	0.0	0
II.1.B.1.u	441	Storage Covered Depot & Arsenal	SF	N/A	0		0.0	0.0	N/A
II.1.B.1.v	442	Storage Covered Installation & Organ	SF	N/A	223,535	84.0	5.0	11.0	N/A
II.1.B.1.v.i	442-257a	Hydrazine Storage	SF	N/A	0		0.0	0.0	0
II.1.B.1.v.ii	442-258	LOX Storage	GA	4,000	10,000	100.0	0.0	0.0	6,000
II.1.B.1.v.iii	442-758	Base Warehousing Supplies and Equipment	SF	118,375	161,763	88.0	3.0	9.0	43,388
II.1.B.1.v.iv	442-758a	Base Warehousing Supplies and Equipment (W	SF	22,600	15,950	100.0	0.0	0.0	0
II.1.B.1.v.v	442-758b	Warehousing Supplies and Equipment (AGS Par	SF	29,400	6,552	100.0	0.0	0.0	0
II.1.B.1.w	510	Medical Center and/or Hospital	SF	N/A	72,794	10.0	90.0	0.0	N/A
II.1.B.1.x	530	Medical Laboratories	SF	N/A	0		0.0	0.0	N/A
II.1.B.1.y	540	Dental Clinics	SF	N/A	8,248	0.0	100.0	0.0	N/A
II.1.B.1.z	550	Dispensaries and/or Clinics	SF	N/A	0		0.0	0.0	N/A
II.1.B.1.aa	610	Administrative Buildings	SF	N/A	294,026	62.0	34.0	4.0	N/A
II.1.B.1.aa.i	610-144	Munitions Maintenance Administration	SF	0	0		0.0	0.0	0
II.1.B.1.aa.ii	610-144a	Munitions Line Delivery/Storage Section	SF	0	0		0.0	0.0	0
II.1.B.1.bb	721	Unaccompanied Enlisted (UEPH & VAQ)	PN	N/A	1,202	15.0	85.0	0.0	N/A
II.1.B.1.bb.i	721-312	Unaccompanied Enlisted Dorm	PN	1,627	1,139	12.0	88.0	0.0	0
II.1.B.1.cc	722	Dining Hall	SF	N/A	16,831	14.0	0.0	86.0	N/A
II.1.B.1.cc.i	722-351	Airman Dining Hall	SF	N/A	14,431	0.0	0.0	100.0	0
II.1.B.1.dd	724	Unaccompanied Officer Housing (OQ & VOQ)	PN	N/A	72	65.0	35.0	0.0	N/A
II.1.B.1.ee	730	Personnel Support and Services Facilities	SF	N/A	118,898	35.0	28.0	37.0	N/A
II.1.B.1.ff	740	Morale, Welfare, and Rec (MWR)-Interior	SF	N/A	407,921	80.0	19.0	1.0	N/A
II.1.B.1.gg	852-273	Acft Support Equipment Storage	SY	778	0		0.0	0.0	0

Notes for specific Cat Codes:

II.1.B.1.a.i	121-122	11 additional pits are programmed in the FY96 Alt Z MILCON.
II.1.B.1.c.ii	141-753	We have included AMU requirement to conform to HQ AMC directed Squadron Operations/Aircraft Maintenance Units of 40,860 SF per squadron. AMU current capacity is added to SQ OPS capacity. Current capacity for category code 141-753 is 48,417 SF
II.1.B.1.e.i	211-111	Bomber Companion Trainer Program Hangar, soon to be converted to another use.

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II.1.B.1.e.ii 211-152 One of these two hangars is used for Civil Engineering space and the category code will be corrected as soon as possible.

II.1.B.1.e.v 211-154 This space is covered under category code 141-753. The current capacity for category code 211-154 is 16,680 SF.

II.1.B.1.e.vi 211-157 A BRAC MILCON project is under design to convert the remainder of this building to a squadron operations in the FY94 program.

II.1.B.1.s.i 411-135 The Defense Fuels Suplly Point connected to the base by a pipeline has 270,000 BL additional storage capacity. We used 20,000 BL for a KC-135 squadron plus 10,000 BL for each additional squadron to calculate the requirement.

II.1.B.1.v.ii 442-258 DRMO occupies 13,200 SF of this category code. The existing capacity of DRMO was added to the requirement for base supply warehouse space.

II.1.B.2 From in-house survey:

	Facility Category Code	Category Description	Units of Measure	Current Capacity	Percentage (%) Cond Code 1	Percentage (%) Cond Code 2	Percentage (%) Cond Code 3
II.1.B.1.a	111	Aircraft Pavement-Runway(s)	SY	411,666	0.0	100.0	0.0
II.1.B.1.b	112	Airfield Pavements Taxiways	SY	218,626	0.0	100.0	0.0
II.1.B.1.c	113	Airfield Pavement Apron(s)	SY	503,784	0.0	100.0	0.0
II.1.B.1.d	116-662	Dangerous Cargo Pad	SY	0			
II.1.B.1.e	812	Elec Power-Trans & Distr Lines	LF	2,594,679	60.0	40.0	0.0
II.1.B.1.f	822	Heat-Trans & Distr Lines	LF	75,536	100.0	0.0	0.0
II.1.B.1.g	832	Sewage and Indust Waste Collection (Mains)	LF	270,029	100.0	0.0	0.0
II.1.B.1.h	842	Water-Distr Sys-Potable	LF	281,422	100.0	0.0	0.0
II.1.B.1.i	843	Water-Fire Protection (Mains)	LF	3,785	100.0	0.0	0.0
II.1.B.1.j	851	Roads	SY	3,413,750	100.0	0.0	0.0
II.1.B.1.k	852	Veh/Equip Parking	SY	455,558	100.0	0.0	0.0

C. Family Housing (Facility Category Code 711)

II.1.C.1 Capacity (housing Inventory)

II.1.C.1.a Number of adequate units from current DD Form 1410, line 18d: 2271

II.1.C.1.b Number of substandard units from current DD Form 1410, line 18e: 0

II.1.C.1.c Current deficit (-) or surplus units in validated Market Analysis: -23 **(includes E-1 - E3 requirements)**

II.1.C.1.c.i A Market Analysis was used to answer the questions in Section II.1.C.

II.1.C.1.d FY95/4 projected net housing deficit (-) or surplus of units: -29 **(includes officers and enlisted extrapolated to FY95 if necessary, uses validated market analysis corrected to include realignment actions)**

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II.1.C.2 Condition

II.1.C.2.a Number of adequate units meeting current whole-house standards of accommodation and state of repair: 2 (includes projects programmed through FY95/4. Units meeting whole-house standards are those that were programmed after FY88)

II.1.C.2.a Number of adequate units requiring whole-house renovation or replacement: 2269 (Units meeting whole-house standards are those that were programmed/ renovated after FY88).

II.1.C.2.a Number of new housing units projected to meet current deficit. 0

II.1.C.3 Percentage of military families living on base as compared to the total number of families (officer and enlisted) assigned to the base

II.1.C.3.a 91.0 percent of officer families live on base.

II.1.C.3.b 68.2 percent of enlisted families live on base.

II.1.C.3.a 72.0 percent of all military families live on base.

2. Airfield Characteristics

II.2 Runway Table:

Primary Designation		Dimensions: Length	Width	Cross Runway	Aircraft Arresting Systems (II.2.I) Number	Types
35	Primary	12350 ft	300 ft	No	None	

II.2.A There are 1 active runways.

II.2.A.1 There are NO cross runways

II.2.B There are NO parallel runways.

II.2.C Dimensions of the primary runway (35).

II.2.C.1 Length: 12,350 ft

II.2.C.2 Width: 300 ft

II.2.D Dimensions of all secondary runways are in the runway table.

II.2.E The primary taxiway is 75 ft wide.

II.2.F Determination if PRIMARY PAVEMENTS can support aircraft operations based on latest Air Force Civil Engineering Support Agency(AFCESA) Pavement Evaluation Report or the procedures in AFM 88-24 (Airfield Flexible Pavement Evaluation).

An AFCESA Pavement Evaluation Report was used to complete this section.

	Primary Pavements

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	Aircraft Group		Criteria		Runways	Taxiways	Aprons
II.2.F.1	Fighter	F-15	61 Kips	300,000 Passes	Supports Now	Supports Now	Supports Now
II.2.F.2	Fighter	F-16C/D	37 Kips	300,000 Passes	Supports Now	Supports Now	Supports Now
II.2.F.3	Bomber	B-52	450 Kips	15,000 Passes	Supports Now	Supports Now	Supports Now
II.2.F.4	Bomber	B-1B	450 Kips	50,000 Passes	Supports Now	Supports Now	Supports Now
II.2.F.5	Tanker	KC-135R	320 Kips	50,000 Passes	Supports Now	Supports Now	Supports Now
II.2.F.6	Tanker	KC-10	550 Kips	15,000 Passes	Supports Now	Supports Now	Supports Now
II.2.F.7	Airlift	C-5B	800 Kips	50,000 Passes	Supports Now	Supports Now	Supports Now
II.2.F.8	Airlift	C-141	325 Kips	50,000 Passes	Supports Now	Supports Now	Supports Now

II.2.G **Excess aircraft parking capacity for operational use.**

II.2.G.1 **The total usable apron space for aircraft parking is 318,606 Sq Yds.**

II.2.G.1.a **Specifications for individual parking areas (irregularly shaped areas are approximated by rectangle).**

Parking area name:	Dimensions (Equivalent Rectangle)		CURRENT USE DATA. (Type of Aircraft and which of the permanently assigned aircraft use the area.)	
Alert parking (same)	138 ft	130 ft	Primary Aircraft	
Alert parking A1-A16	1,110 ft	130 ft	Primary Aircraft	
Alert parking same 2	2,010 ft	130 ft	Primary Aircraft	
Mass parking B1-B12	2,120 ft	130 ft	Primary Aircraft	KC-135
Mass parking T1-T12	2,120 ft	130 ft	Primary Aircraft	KC-135
Transient parking	1,450 ft	490 ft	Transient Aircraft	

II.2.G.2 **Permanently assigned aircraft currrently require 284,950 Sq Yds of parking space.**

II.2.G.3 **33,656 Sq Yds of parking space is available for parking additional non-transient aircraft.**

II.2.G.4 **The following factors limit aircraft parking capability:**

Limiting factors are the configuration of the transient parking area and the remote parking area. Both of these areas are being utilized under the current parking plan. (Additional Comments Page).

II.2.H **The dimensions of the (largest) transient parking area:** **1,450 Ft** **490 Ft**

II.2.I **Details of operational aircraft arresting systems on each runway are in the Runway Table (II.2)**

II.2.J **There are No critical features relative to the airfield pavement system that limit its capacity:**

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3. Utility Systems

II.3.A **The overall system capacity and percent current usage for utility system categories:**

	Utility System	Capacity	Unit of Measure	Percent Usage
II.3.A.1	Water:	2.726 MG/D	MG/D - million gallons per day	36 %
II.3.A.2	Sewage:	1.196 MG/D		100 %
II.3.A.3	Electrical distribution:	40.77 MW	MW - million watts	41 %
II.3.A.4	Natural Gas:	0.848 MCF/D	MCF/D - million cubic feet per day	82 %
II.3.A.5	High temperature water/steam generation/distribution:	189.0 MBTUH	MBTUH - million British thermal units per hour	73 %

II.3.B **Characteristics regarding the utility system that should be considered:**

FY93 MILCON Project JFSD938004 will add 42 AC to the primary lagoon on base, this will leave no developeable waste annex land in answer II.1.A.

4. Aircraft Maintenance Hangar Facilities

Specifications for general maintenance hangars and nose docks, excluding Depot and Test & Evaluation facilities.

II.4.A.1 **Facility number:** 520 Hanger

Current Use: 2 Bay hangar

II.4.A.2 **Size (SF):** 9,256 SF

II.4.A.3-4 **Largest aircraft the hanger/ nose dock can COMPLETELY enclose:** F-15

	DIMENSIONS:	Width	Height	Length
II.4.A.5	Door Opening:	98 ft	33 ft	
II.4.A.6	Largest unobstructed space inside the facility:	98 ft	33 ft	82 ft

II.4.A.1 **Facility number:** 521 Hanger

Current Use: 2 Bay Hangar

II.4.A.2 **Size (SF):** 9,256 SF

II.4.A.3-4 **Largest aircraft the hanger/ nose dock can COMPLETELY enclose:** F-15

	DIMENSIONS:	Width	Height	Length
II.4.A.5	Door Opening:	98 ft	33 ft	
II.4.A.6	Largest unobstructed space inside the facility:	98 ft	33 ft	82 ft

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II.4.A.1 **Facility number:** 523 Hanger

Current Use: hangar

II.4.A.2 **Size (SF):** 21,319 SF

II.4.A.3-4 **Largest aircraft the hanger/ nose dock can COMPLETELY enclose:** C-130

	DIMENSIONS:	Width	Height	Length
II.4.A.5	Door Opening:	160 ft	30 ft	
II.4.A.6	Largest unobstructed space inside the facility:	160 ft	40 ft	124 ft

II.4.A.1 **Facility number:** 600 Nose Dock

Current Use: NOSE DOCK

II.4.A.2 **Size (SF):** 18,212 SF

II.4.A.3-4 **Largest aircraft the hanger/ nose dock can COMPLETELY enclose:** B-52

	DIMENSIONS:	Width	Height	Length
II.4.A.5	Door Opening:	198 ft	28 ft	
II.4.A.6	Largest unobstructed space inside the facility:	198 ft	28 ft	87 ft

II.4.A.1 **Facility number:** 601 Hanger

Current Use: HANGER

II.4.A.2 **Size (SF):** 37,026 SF

II.4.A.3-4 **Largest aircraft the hanger/ nose dock can COMPLETELY enclose:** B-1

	DIMENSIONS:	Width	Height	Length
II.4.A.5	Door Opening:	198 ft	31 ft	
II.4.A.6	Largest unobstructed space inside the facility:	198 ft	49 ft	94 ft

II.4.A.1 **Facility number:** 602 Nose Dock

Current Use: NOSE DOCK

II.4.A.2 **Size (SF):** 18,212 SF

II.4.A.3-4 **Largest aircraft the hanger/ nose dock can COMPLETELY enclose:** B-52

	DIMENSIONS:	Width	Height	Length
II.4.A.5	Door Opening:	198 ft	28 ft	
II.4.A.6	Largest unobstructed space inside the facility:	198 ft	28 ft	87 ft

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II.4.A.1 **Facility number:** 603 Hanger

Current Use: HANGER

II.4.A.2 **Size (SF):** 37,026 SF

II.4.A.3-4 **Largest aircraft the hanger/ nose dock can COMPLETELY enclose:** B-1

	DIMENSIONS:	Width	Height	Length
II.4.A.5	Door Opening:	198 ft	31 ft	
II.4.A.6	Largest unobstructed space inside the facility:	198 ft	49 ft	94 ft

II.4.A.1 **Facility number:** 605 Hanger

Current Use: HANGER

II.4.A.2 **Size (SF):** 37,026 SF

II.4.A.3-4 **Largest aircraft the hanger/ nose dock can COMPLETELY enclose:** B-1

	DIMENSIONS:	Width	Height	Length
II.4.A.5	Door Opening:	198 ft	29 ft	
II.4.A.6	Largest unobstructed space inside the facility:	198 ft	49 ft	94 ft

II.4.A.1 **Facility number:** 613 Nose Dock

Current Use: Nose Dock

II.4.A.2 **Size (SF):** 11,992 SF

II.4.A.3-4 **Largest aircraft the hanger/ nose dock can COMPLETELY enclose:** B-52

	DIMENSIONS:	Width	Height	Length
II.4.A.5	Door Opening:	200 ft	28 ft	
II.4.A.6	Largest unobstructed space inside the facility:	200 ft	28 ft	87 ft

II.4.A.1 **Facility number:** 649 Hanger

Current Use: 3 Bay Hanger. EACH BAY is 40,385 SF

II.4.A.2 **Size (SF):** 40,385 SF

II.4.A.3-4 **Largest aircraft the hanger/ nose dock can COMPLETELY enclose:** B-1

	DIMENSIONS:	Width	Height	Length
II.4.A.5	Door Opening:	205 ft	32 ft	
II.4.A.6	Largest unobstructed space inside the facility:	205 ft	50 ft	110 ft

5. Unique Facilities

II.5.A **There are No unique (one-of-a-kind) Air Force facilitaties which must be replaced if the base is closed.**

6. Air Installation Compatible Use Zone (AICUZ) and Terminal Area Procedures

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Local/Regional Land Encroachment

II.6.A **Percent current off base incompatible land use:**

	Runway Number	Area	Est Pop	Acres	Percent Incompatible Land Use	Percent Incompatible Land Use	PERCENT OF CURRENT LAND USE W/I FOLLOWING CATEGORIES					
							RES	COM	IND	PUB/SEMI	REC	OPEN/AG/ LOW DEN
II.6.A.1	17	CZ	0	207	0.0	Gen Compat	0.0	0.0	0.0	100.0	0.0	0.0
	35	CZ	0	207	0.0	Gen Compat	0.0	0.0	0.0	100.0	0.0	0.0
II.6.A.2	17	APZ 1	0	344	0.0	Gen Compat	0.0	0.0	0.0	38.0	0.0	62.0
	35	APZ 1	0	344	0.0	Gen Compat	0.0	0.0	0.0	16.0	0.0	84.0
II.6.A.3	17	APZ 2	0	482	0.0	Gen Compat	0.0	0.0	0.0	0.0	0.0	100.0
	35	APZ 2	0	482	0.0	Gen Compat	0.0	0.0	0.0	0.0	0.0	100.0

	DNL Noise Contour	Est Pop	Acres	Percent Incompatible Land Use	Percent Incompatible Land Use	PERCENT OF CURRENT LAND USE W/I FOLLOWING CATEGORIES					
						RES	COM	IND	PUB/SEMI	REC	OPEN/AG/ LOW DEN
II.6.A.4	65-70	865	15,744	0	Gen Compat	0.0	0.0	0.0	0.0	0.0	100.0
II.6.A.5	70-75	445	8,128	0	Gen Compat	0.0	0.0	0.0	0.0	0.0	100.0
II.6.A.6	75-80	145	2,624	0	Gen Compat	0.0	0.0	0.0	0.0	0.0	100.0
II.6.A.7	80+	45	832	0	Gen Compat	0.0	0.0	0.0	0.0	0.0	100.0

II.6.B **Percent future off base incompatible land use:**

	Runway Number	Area	Est Pop	Acres	Percent Incompatible Land Use	Percent Incompatible Land Use	PERCENT OF CURRENT LAND USE W/I FOLLOWING CATEGORIES					
							RES	COM	IND	PUB/SEMI	REC	OPEN/AG/ LOW DEN
II.6.B.1	17	CZ	0	207	0	Gen Compat	0.0	0.0	0.0	100.0	0.0	0.0
	35	CZ	0	207	0	Gen Compat	0.0	0.0	0.0	100.0	0.0	0.0
II.6.B.2	17	APZ 1	0	344	0	Gen Compat	0.0	0.0	0.0	38.0	0.0	62.0
	35	APZ 1	0	344	0	Gen Compat	0.0	0.0	0.0	16.0	0.0	84.0
II.6.B.3	17	APZ 2	0	482	0	Gen Compat	0.0	0.0	0.0	0.0	0.0	100.0
	35	APZ 2	0	482	0	Gen Compat	0.0	0.0	0.0	0.0	0.0	100.0

	DNL Noise Contour	Est Pop	Acres	Percent Incompatible Land Use	Percent Incompatible Land Use	PERCENT OF CURRENT LAND USE W/I FOLLOWING CATEGORIES					
						RES	COM	IND	PUB/SEMI	REC	OPEN/AG/ LOW DEN
II.6.B.4	65-70	865	15,744	0	Gen Compat	0.0	0.0	0.0	0.0	0.0	100.0
II.6.B.5	70-75	445	8,128	0	Gen Compat	0.0	0.0	0.0	0.0	0.0	100.0
II.6.B.6	75-80	145	2,624	0	Gen Compat	0.0	0.0	0.0	0.0	0.0	100.0
II.6.B.7	80+	45	832	0	Gen Compat	0.0	0.0	0.0	0.0	0.0	100.0

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II.6.C **The most recent, publicly released AICUZ study is dated Sep 91**

II.6.D **Current AICUZ study's flying activities subsection does not reflect all currently assigned aircraft**

Subsection does Not reflect the number of daily flying operations conducted by all assigned aircraft

Current AICUZ study's flight track figure/map does Not reflect current flight tracks.

Explaination of areas where the current AICUZ study does not reflect the current situation:

Mission change from B-1B/T-38 aircraft to KC-135R/C-12 type aircraft

II.6.E **The AICUZ study was last updated on Feb 94**

The study is no longer valid. Milestones for updateing the study:

II.6.E.1 Grand Forks AFB AICUZ update was recently completed by government contractor Sectrum Sciences and Software in Feb 94. Resulting new AICUZ containing new and current AICUZ updated information has anticipated release date of August 1994.

II.6.F **Local governments have incorporated AICUZ recommendations into land use controls**

II.6.F.1 **AICUZ recommended height restrictions.**

Government name:	Types of controls in place	Types of encroachment limited:
Grand Forks County	Zoning	

II.6.F.3 **AICUZ recommended development limits for Accident Potential Zone 2.**

Government name:	Types of controls in place	Types of encroachment limited:
Grand Forks County	Zoning	

II.6.F.5 **AICUZ recommended development limits between the 70 Ldn and 75 Ldn Noise Contours.**

Government name:	Types of controls in place	Types of encroachment limited:
Grand Forks County	Zoning	

II.6.F.6 **AICUZ recommended development limits between the 75 Ldn and 80 Ldn Noise Contours.**

Government name:	Types of controls in place	Types of encroachment limited:
Grand Forks County	Zoning	

II.6.F.7 **AICUZ recommended development limits between the 80 Ldn and above Ldn Noise Contours.**

Government name:	Types of controls in place	Types of encroachment limited:

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Grand Forks County	Zoning	

II.6.G **Assessment of significant development (i.e., residential subdivision, shopping mall, or center, industrial park, etc.) existing or anticipated within any of the 7 AICUZ zones.**

No significant development currently exists in any AICUZ zone.

No significant development is projected for any AICUZ zone.

No long range (20 year) development trends in the 7 AICUZ zones are evident.

II.6.H **Population figures and projections:**

II.6.H.1 **Communities in the vicinity of the installation.**

Community Name	1960 Pop	1970 Pop	1980 Pop	1990 Pop	2000 Pop
Mekinock, ND	0	0	0	0	0
Larimore, ND	1714	1469	1524	1461	0
Honeyford, ND	0	0	0	0	0
Grand Forks	34451	39800	43765	49425	54054
Gilby, ND	281	268	283	262	0
Emerado, ND	328	515	596	483	0
Arvilla, ND		0	0	0	0

II.6.H.3 **County (ies) encompassing the installation.**

Community Name	1960 Pop	1970 Pop	1980 Pop	1990 Pop	2000 Pop
Grand Forks County	48677	61102	66100	70683	

II.6.I **All clear zone acquisition has been completed.**

II.6.J **All existing on base facilities are sited in accordance with AICUZ recommendations.**

All planned on base facilities will be sited in accordance with AICUZ recommendations.

Air Space Encroachment

II.6.K **Noise complaints are received from off base residents.**

II.6.K.1 **1.0 noise complaints per month (average) are received from off base residents.**

II.6.L **The base has implemented noise abatement procedures as follows:**

II.6.L.1 **The procedures used are by height and obstruction ordinances off base, AICUZ implementation is local ordinances off base, and by directing flight paths away from the base and surrounding towns and villages. See worksheet for more detail.**

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Section III

1. Contingency and Deployment Requirements

Full mobilization, 24 hour capability assumed.

III.1.A.1 **2 C-141 equivalent aircraft can be loaded or unloaded at one time.**

Based on existing load crews, marshalling yards, build up areas, concurrent servicing, and material handling equipment (MHE). Assumes a 13-pallet load, a 2 hr, 15 min ground time.

III.1.A.1.a **The limiting factor is MHE**

III.1.A.1.b **Current MHE:** 1 rollerized 9 ton, 1 rollerized 40 ft trailer, 2 ea 25K loaders, 4 ea 15K forklifts, 6 ea 10K forklifts

III.1.A.2 **11 C-141 equivalent aircraft can be refueled at one time.**

Based on a 100,000 lb (15,625 gal) fuel load for each aircraft, use of existing personnel, equipment, and facilities. Assumes 2 hr, 15 min ground time.

III.1.B **The base can land, taxi, park, and refuel widebody aircraft as follows:**

Aircraft	Widebody Capabilities:				Remarks:
747	Can land	Can taxi	Can park	Can refuel	
C-5	Can land	Can taxi	Can park	Can refuel	
KC-10	Can land	Can taxi	Can park	Can refuel	

III.1.C **The base has an operational fuel hydrant system:**

III.1.C.1 **The fuel hydrant system is available to transient aircraft.**

III.1.C.2 **26 hydrant pits are operational.**

Description of base fuel hydrant system:

System Type:	Total Pumping Rate (GPM):	Number of Laterals:	Nomber of Usable Refueling Positions:	Number of SIMULTANEOUS aircraft refuelings of Narrow	Widebody
Phillips Type III (B)	4800	0	11	5	5
Pritchard Type II- (Modified)	4800	8	15	8	7
Phillips Type III (A)	4800	0	23	5	5

III.1.C.3 **18 fuel storage tanks support the operational fuel hydrant system:**

III.1.C.3.a

Storage tank Capacity	Tanks with this capacity

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Capacity:	this capacity
420000	2
50000	16

III.1.C.4 The hydrant system is 1.3 miles from the bulk storage area.

III.1.C.5 No pits are certified for hot_pit operations.

III.1.D The base bulk storage facility is serviced by a pipeline.

III.1.D.1 The pipeline is the primary fuel source for the bulk storage facility.

III.1.D.2 The are No limitations to continious service from the primary source.

III.1.D.3 According to information from det 29 SA ALC we have 2,512,230 gallons excess storage.

Based on normal requirements in the Fuel Logistics Area Summary(FLAS) or Inventory Management Plan (IMP). Storage for others is excluded.

III.1.D.4 Other receipt modes available: tank truck and tank car are additional receipt modes available.

Number of offload headers: 24

4 tank trucks can be simultaneously offloaded

3 tank cars can be simultaneously offloaded

III.1.D.5 2 refueling unit fillstands are available.

III.1.D.5.a 2 refuelers can be filled simultaneously.

III.1.D.6 Current despensing capabilities as defined in AFR 144-1 sustained: 1440012
maximum: 3914881

III.1.D.7 The base is directly supported by an intermediate Defense Fuels Supply Point (DFSP).

III.1.D.7.a Supporting DFSP: DFSP-Grand Forks terminal

		Cat 1.1	Cat 1.2
III.1.E	Cat 1.1 and 1.2 munitions storage requirements and capacity.		
III.1.E.1	Maximum NET EXPLOSIVE WEIGHT (NEW) storage capacity:	708560	0
	Square footage available (including physical capacity limit):	85949	78980
III.1.E.2	Normal installation mission storage requirement:	23652	403

Physical Limits for Cat 1.2 Munitions:

Site Plan 93-52

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III.1.F **The base has a dedicated hot cargo pad.**

III.1.F.1 **Access to the hot cargo pad is not limited.**

III.1.F.2 **The size of the hot cargo pad is 77,475 sq feet.**

III.1.F.3 **The sited explosive capacity of the hot cargo pad is 800**

III.1.F.4 **The hot pad access is taxi-on/taxi-off.**

III.1.F.5 **The taxiway servicing the hot pad is 75 ft wide and has a pavement classification number (PCN) of 69.**

III.1.F.6 **Aircraft using pad over the last 5 years:**

B-1B, B-747, KC-135 (all models), C-141, C-130, C-9, and various small fighters.

III.1.G **Proximity (within 150 NM) to mobilization elements.**

III.1.G.1 **The base is over 150 NM from a ground force installation.**

III.1.G.2 **The base is proximate to a railhead.**

Railheads within 150 NM:

Grand Forks - DFSP	15 NM
Grand Forks - Emerado	3 NM

III.1.G.3 **The base is over 150 NM from a port.**

III.1.H **The base has a dedicated passenger terminal.**

III.1.I **The base has a dedicated deployment facility capable of handling DoD standardized cargo pallets.**

III.1.J **The base medical treatment facility does Not routinely receive referral patients.**

III.1.K **No military medical facility in the catchment area (40 mile radius) have been designated for closure or realignment.**

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III.1.L **Unique missions performed by the base medical facility:**

FFGK2-Contingency-38 personnel/ FFGK4-Contingency-29 personnel/ FFGK5-Contingency-43 personnel/ FFGK6- Contingency-8 person

Unique medical missions include aeromedical staging facilities, environmental health laboratories, area dental laboratories, physiological training units, wartime taskings,

III.1.M **Base medical facilities project planned to begin before to 1999:**

Life Safety Code upgrade to hospital and dental clinic(1994), replace HVAC system in dental clinic (1994), repair interior electric in hospi

Facilities projects include military consruction program (MCP) or Operations and Maintenence (O&M) alterations.

III.1.M.1 **The project has been approved.**

III.1.M.2 **No major MCP has been completed since 1989.**

III.1.N **Base facilities have a total excess storage capacity of 13,890 sq ft.**

III.1.N.1 **Base facilities have a total covered storage capacity of 223,535 sq ft.**

III.1.N.2 **Breakout of the total covered storage capacity:**

Supply (warehousing, Individual Equipment Unit, Tool Issue, Base Service Store):	223,535 sq ft
Mobility storage:	161,763 sq ft
War Readiness Support Kits (WRSK) storage:	15,950 sq ft

III.1.O **466 light military vehicles are on base.**

III.1.P **409 heavy military and special vehicles are on base.**

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Section IV

1. Base Budget

IV.1 Non-payroll portion of the base budget for prior years:

IV.1.A	xxx56	Environmental Compliance			FY 91 Total	FY 92 Total	FY 93 Total	FY 94 Total
	FY-91	Appropriation	Direct	Reimbursable				
		4930	522.20 $sK	31.30 $sK	553.50 $sK			
	FY-92	Appropriation	Direct	Reimbursable				
		4930	1,792.60 $sK	0.00 $sK		1,792.60 $sK		
	FY-93	Appropriation	Direct	Reimbursable				
		4930	3,518.90 $sK	0.00 $sK			3,518.90 $sK	
	FY-94	Appropriation	Direct	Reimbursable				
		4930	686.50 $sK	0.00 $sK				686.50 $sK
				xxx56 TOTALS:	553.50 $sK	1,792.60 $sK	3,518.90 $sK	686.50 $sK
IV.1.B	xxx76	Real Property Maintenance A			FY 91 Total	FY 92 Total	FY 93 Total	FY 94 Total
	FY-91	Appropriation	Direct	Reimbursable				
		4930	20,835.80 $sK	530.20 $sK	21,366.00 $sK			
	FY-92	Appropriation	Direct	Reimbursable				
		4930	14,482.30 $sK	289.00 $sK		14,771.30 $sK		
	FY-93	Appropriation	Direct	Reimbursable				
		4930	279.50 $sK	34.10 $sK			313.60 $sK	
	FY-94	Appropriation	Direct	Reimbursable				
		4930	499.00 $sK	0.00 $sK				499.00 $sK
				xxx76 TOTALS:	21,366.00 $sK	14,771.30 $sK	313.60 $sK	499.00 $sK
IV.1.C	xxx78	Real Property Maintenance S			FY 91 Total	FY 92 Total	FY 93 Total	FY 94 Total
	FY-91	Appropriation	Direct	Reimbursable				
		4930	0.00 $sK	0.00 $sK	0.00 $sK			
	FY-92	Appropriation	Direct	Reimbursable				
		4930	0.00 $sK	0.00 $sK		0.00 $sK		
	FY-93	Appropriation	Direct	Reimbursable				
		4930	3,738.10 $sK	120.50 $sK			3,858.60 $sK	
	FY-94	Appropriation	Direct	Reimbursable				
		4930	1,924.60 $sK	126.60 $sK				2,051.20 $sK
				xxx78 TOTALS:	0.00 $sK	0.00 $sK	3,858.60 $sK	2,051.20 $sK
IV.1.D	xxx90	Audio Visual			FY 91 Total	FY 92 Total	FY 93 Total	FY 94 Total
	FY-91	Appropriation	Direct	Reimbursable				

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		4930	68.30 $sK	0.00 $sK	68.30 $sK			
	FY-92	Appropriation	Direct	Reimbursable				
		4930	80.40 $sK	0.00 $sK		80.40 $sK		
	FY-93	Appropriation	Direct	Reimbursable				
		4930	118.50 $sK	0.00 $sK			118.50 $sK	
	FY-94	Appropriation	Direct	Reimbursable				
		4930	63.00 $sK	0.00 $sK				63.00 $sK
				xxx90 TOTALS:	68.30 $sK	80.40 $sK	118.50 $sK	63.00 $sK
IV.1.E	xxx95	Communications			FY 91 Total	FY 92 Total	FY 93 Total	FY 94 Total
	FY-91	Appropriation	Direct	Reimbursable				
		4930	634.90 $sK	5.50 $sK	640.40 $sK			
	FY-92	Appropriation	Direct	Reimbursable				
		4930	681.50 $sK	13.20 $sK		694.70 $sK		
	FY-93	Appropriation	Direct	Reimbursable				
		4930	1,063.70 $sK	0.00 $sK			1,063.70 $sK	
	FY-94	Appropriation	Direct	Reimbursable				
		4930	857.00 $sK	0.00 $sK				857.00 $sK
				xxx95 TOTALS:	640.40 $sK	694.70 $sK	1,063.70 $sK	857.00 $sK
IV.1.F	xxx96	Base Operating Support			FY 91 Total	FY 92 Total	FY 93 Total	FY 94 Total
	FY-91	Appropriation	Direct	Reimbursable				
		3400	6,426.40 $sK	4.30 $sK	6,430.70 $sK			
	FY-92	Appropriation	Direct	Reimbursable				
		3400	5,731.30 $sK	7.00 $sK		5,738.30 $sK		
	FY-93	Appropriation	Direct	Reimbursable				
		3400	14,561.70 $sK	227.50 $sK			14,789.20 $sK	
	FY-94	Appropriation	Direct	Reimbursable				
		3400	11,763.50 $sK	238.90 $sK				12,002.40 $sK
				xxx96 TOTALS:	6,430.70 $sK	5,738.30 $sK	14,789.20 $sK	12,002.40 $sK
IV.1.G	MFH	Military Family Housing			FY 91 Total	FY 92 Total	FY 93 Total	FY 94 Total
	FY-91	Appropriation	Direct	Reimbursable				
		4930	7,765.30 $sK	15.10 $sK	7,780.40 $sK			
	FY-92	Appropriation	Direct	Reimbursable				
		4930	9,163.50 $sK	32.90 $sK		9,196.40 $sK		
	FY-93	Appropriation	Direct	Reimbursable				
		4930	9,628.80 $sK	36.20 $sK			9,665.00 $sK	
	FY-94	Appropriation	Direct	Reimbursable				

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4930	9,618.60 $sK	33.00 $sK				9,651.60 $sK
		MFH TOTALS:	7,780.40 $sK	9,196.40 $sK	9,665.00 $sK	9,651.60 $sK

2. Relocation Costs

IV.2 -Large, unusual items integral to the unit mission, but which cannot be moved as regular freight:

Total relocation costs: $ 1,700,000.00 K

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Section IV/V Level Playingfield COBRA Data

One time closure costs: 129$sM

Twenty year Net Present Value (731)$sM

Steady state savings 60$sM per year

Manpower savings associated with closure 1,217

Return on Investment (years): 2

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Section VI Economic Impact

Economic Area Statistics:

Grand Forks County, ND

Total population: 70,000 (FY 92)

Total employment: 45,092 (FY 93)

Unemployment Rates (FY93/3 Year Average/10 Year Average)

2.8% / 3.3% / 3.5%

Average annual job growth: 1,200

Average annual per capita income: $15,844

Average annual increase in per capita income: $5.0%

Projected economic impact:

Direct Job Loss:	5,286	
Indirect Job Loss:	1,648	
Closure Impact:	6,934	(15.4% of employment total)
Other BRAC Losses:	0	
Cumulative Impact:	6,934	(15.4% of employment total)

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Section VII

1. Community Infrastructure

Describe the off-base housing situation.

VII.1.A.1 **Off-base housing is affordable**

VII.1.A.2 **Units are available for families**

VII.1.A.2 **Units are available for single members.**

VII.1.A.3 **7.1 Percent of off-base housing was rated as unsuitable in the latest VHA survey**

VII.1.A.4 **Median monthly cost of off-base housing based on latest VHA survey:** $582

Describe the transportation systems.

VII.1.B.1 **The base is NOT served by REGULARLY SCHEDULED, public transportation.**

VII.1.B.2 **Distance to the nearest municipal airport with scheduled, commercial air traffic:** 13 miles

VII.1.B.2 **Airport name:** Mark Andrews International (Grand Forks)

VII.1.B.3 **Number of commercial air carriers available at the airport:** 3

VII.1.B.4 **Average round trip commuting time to work:** 49 minutes

Off-base public recreation facilities:

List ONLY THE NEAREST facility for each subcategory.

	Facility Subcategory Type	Name of Nearest Facility	Distance to:	Drive Time			
VII.1.C.1	Swimming pool	YMCA	25		Hrs.	30	Min.
VII.1.C.2	Movie theater	COLONY TWIN THEATER	17		Hrs.	30	Min.
VII.1.C.3	Public golf course	LARIMORE, ND	17		Hrs.	20	Min.
VII.1.C.4	Bowling lane	RED RAY LANES	25		Hrs.	30	Min.
VII.1.C.5	Boating	LARIMORE, ND	17		Hrs.	20	Min.
VII.1.C.6	Fishing	LARIMORE, ND	17		Hrs.	20	Min.
VII.1.C.7	Zoo	Assinibinie Park Zoo	180	3	Hrs.	30	Min.
VII.1.C.8	Aquarium	Ft White Center Aquarium	180	3	Hrs.	30	Min.
VII.1.C.9	Family theme park	Grand Prix Amusement Park	180	3	Hrs.	30	Min.
VII.1.C.10	Professional sports	Winnipeg Arena	180	3	Hrs.	30	Min.
VII.1.C.11	Collegiate sports	UNIVERSITY OF NORTH DAKOTA II	25		Hrs.	30	Min.

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VII.1.C.12	Camping facilities	ARVILLA, ND (TURTLE RIVER STATE PARK)	6		Hrs.	20	Min.
VII.1.C.13	Beaches (lake or ocean)	MAPLE LAKE, MN	70	1	Hrs.	25	Min.
VII.1.C.14	Outdoor winter sports	Beunavista	120	2	Hrs.	30	Min.

VII.1.D **Nearest Shopping facility (two major anchor stores plus smaller retail outlets):**

COLUMBIA MALL, SOUTH FORKS PLAZA 30 min (18 Miles)

VII.1.E **Nearest Metropolitan center (population in excess of 100,000):**

MINNEAPOLIS, MN (5 HRS)/ WINNEPEG, CANADA 3 hrs 30 min (180 Miles)

Local area crime rate:

VII.1.F.1 **Violent crime rate (per 100,000) in the local area: (Note: The most current annual FBI Statistics Report used as the source document. Violent crime is defined as the sum of homicide, rape, robbery, felony assault, and simple assault.)** 146

VII.1.F.2 **Property crime rate (per 100,000) in the local area: (Note: The most current annual FBI Statistics Report used as the source document. Property crime is defined as the sum of auto theft, burglary, theft, and arson.)** 5672

2. Education

VII.2.A **The highest maximum allowed pupil to teacher classroom ratio, based on grades K - 12 and using local area ratios:** 25 to 1

VII.2.B **Local high schools offer a four-year English program.**

VII.2.B **Local high schools offer a four-year Math program.**

VII.2.B **Local high schools offer four-year Foreign Language programs.**

VII.2.C **Local high schools offer an Honors program.**

VII.2.D **75.0 percent of high school students go on to either a two- or four-year college**

VII.2.E **There are opportunities for off-base education within 25 miles of the base.**

VII.2.E.1 **Opportunities for off-base VOCATIONAL/TECHNICAL TRAINING provided by the following institutions:**

Northwest Technical College

VII.2.E.2 **Opportunities for off-base UNDERGRADUATE COLLEGE provided by the following institutions:**

University of North Dakota

VII.2.E.3 **Opportunities for off-base GRADUATE COLLEGE provided by the following institutions:**

University of North Dakota

3. Spousal Employment

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VII.3.A **71.0 percent of spouses are able to find employment (within 3 months) in the local community.**

VII.3.B **67.0 percent of spouses find employment commensurate with job skills, work experience, and education.**

VII.3.C **3.5 percent unemployment in the local area (Department of Labor Statistics)**

VII.3.D **8.4 percentage rate of job growth in the local area (Department of Labor Stastics)**

4. Local Medical Care

VII.4.A	**Current ratio of active, non-federal physicians in the community:**	2.0 physicians/1000 people
VII.4.B	**Current ratio of hospital beds in the community:**	4.0 beds/1000 people

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Section VIII

1. Air Quality - Clean Air Act

VIII.1.A **Air Quality Management District for the base:** North Dakota Air Quality Management District

VIII.1.B **The base is NOT located within a maintenance or non-attainment area for pollutants.**

VIII.1.C **There are NO critical air quality regions within 100 kilometers of the base**

(Critical air quality regions are non-attainment areas, national parks, etc.)

VIII.1.D **On- or off-base activities have NOT been restricted or delayed due to air quality considerations.**

(Restrictions or delays may be imposed by a Metropolitan Planning Organization or similar organization and include restrictions to construction permits, restrictions to industrial facilities operating hours, High Occupancy Vehicle (HOV) rush hour procedures, etc.)

VIII.1.D.1 **The base has NOT been required to impliment emissions reduction through special actions**

(i.e. carpooling or emissions credit transfer)

VIII.1.E **Restrictions placed on operations by state or local air quality regulatory agencies:**

VIII.E.1 Aerospace Ground Equipment (AGE):

E.1.a No state or local air quality regulatory agency Regulates or conditionally exempts the operation of portable internal combustion engine equipment, to include AGE.

E.1.b No state or local air quality regulatory agency Requires permits for such units.

E.1.c No state or local air quality regulatory agency Requires the base to modify the hours of operation of the AGE.

E.1.d No state or local air quality regulatory agency Requires retrofit controls for AGE.

VIII.E.2 Infrastructure Maintenance / Public Works

E.2.a No state or local air quality regulatory agency Regulates or conditionnaly exempts small activities or engines used for infrastructure maintenance (i.e., sewer cleaning, wood chipping, road repair, etc.).

E.2.b No state or local air quality regulatory agency Limits the hours of these activities.

E.2.c No state or local air quality regulatory agency Requires periodic fuel analysis or emission testing of equipment used to support these activities.

E.2.d No state or local air quality regulatory agency Requires emission offsets for these activities.

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VIII.E.3 Open Burn/Open Detonation

E.3.a No state or local air quality regulatory agency Prohibits open burn / open detonation (OB/OD) or training

E.3.b The state or local air quality regulatory agency Regulates or conditionally exempts OB/OD operations or training.

E.3.c No state or local air quality regulatory agency Limits the number of detonations to keep an exemption.

E.3.d No state or local air quality regulatory agency Requires periodic emission testing.

VIII.E.4 Fire Training

E.4.a No state or local air quality regulatory agency Specifies requirements which exceed the fire training and/or controlled burn requirements for local public fire agencies where fire training activities that produce smoke are regulated or conditionally exempted.

E.4.b No state or local air quality regulatory agency Prohibits fire training activities that produce smoke.

VIII.E.5 Signal Flares

E.5 No state or local air quality regulatory agency Prohibits the use of signal flares for search and rescue training or operations.

VIII.E.6 Emergency Generators

E.6.a The state or local air quality regulatory agency Regulates or conditionally exempts emergency operation of generators or engines.

E.6.b No state or local air quality regulatory agency Limits the hours of emergency operation of generators.

E.6.c No state or local air quality regulatory agency Requires periodic fuel analysis or emission testing of emergenct generators.

E.6.d The state or local air quality regulatory agency Requires an air quality operating permit if the emergency operation of the generators exceeds an exemption threshold.

E.6.d No state or local air quality regulatory agency Requires emission offsets.

VIII.E.7 Short-term Activities

E.7.a No state or local air quality regulatory agency Regulates or conditionally exempts short-term (12 months or less) activities (i.e., air shows, exercises, construction, or emergency actions).

E.7.b No state or local air quality regulatory agency Limits the operation for short-term activities.

E.7.c No state or local air quality regulatory agency Requires periodic fuel analysis, emission testing, or emission offsets.

E.7.d No state or local air quality regulatory agency Prohibits any short-term activities.

VIII.E.8 Monitoring

E.8 No state or local air quality regulatory agency Has continious emissions monitoring requirements for sources at the base which exceed the Federal New Source Performance Standards requirements.

VIII.E.9 BACT/LAER

E.9 No state or local air quality regulatory agency Has BACT/LAER emissions thresholds (excluding lead) that exceed the Federal Clean Air Act requirements.

2. Water - Potable

VIII.2.A The base potable water supply is Local Community and the source is:

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Red River of the North, Red Lake River, and Elk Valley Acquifer.

VIII.2.B **There are no constraints to the base water supply.**

VIII.2.C **The base potable water supply does not constrain operations**

(Contamininants or lack of water supply may restrict construction activities or operations through: facility siting options, well usage, construction, etc.)

3. Water - Ground Water

VIII.3.A **Base or local community groundwater is contaminated.**

VIII.3.A.1 **Nature of contamination.** petroleum hydrocarbons and solvents, fuel-related contaminants, fuel oil, BTEX and glycol

VIII.3.A.2 **The contaminated groundwater is Not a potable water source.**

VIII.3.B **The base is Not actively involved in groundwater remediation activities.**

VIII.3.C **2 water wells exist at the base.**

VIII.3.D **No wells have been abandoned.**

4. Water - Surface Water

VIII.4.A **The following perennial bodies of water are located on base.**

VIII.4.A.1

Location	Surface area size
lagoon - Section 29 T152Bm R52W	174.00 Acres
Turtle River - section 11 and 14, T152N, R53W	21.00 Acres

VIII.4.A.2 **These bodies receive water runoff or treated wastewater discharge from the base.**

VIII.4.A.3 **The base is located within a specified drainage basin.**

VIII.4.B **Special permits are Not required**

(Special permits may required to conduct training/operations, or for construction projects on or near bodies of water)

VIII.4.C **There is known contamination to the base or local community surface water**

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VIII.4.C.1 Nature of the contamination: highly mineralized ground water

VIII.4.C.2 The contaminated surface water is a potable water source.

5. Wastewater

VIII.5.A Base wastewater is treated by On-Base facilities.

VIII.5.B The following 1 wastewater treatment facilities (industrial/domestic) are located on-base:

sewage treatment lagoon

VIII.5.C There are No discharge violations or outstanding open enforcement actions pending.

6. Discharge Points / Impoundments

VIII.6.A Describe the National Pollutant Elimination System permits in effect:

NPDES permit-permit number ND0020621. Two NPDES construction permits are still in effect for unfinished projects on-base--the sewer lagoon expansion project and the N-S ditch remedition project.

VIII.6.B The base currently discharges treated wastewater ON-Base. Description of treated wastewater discharge location:

On-base ditch located immediately upstream from Kelly Slough Wildlife Refuge (off-base). The ditches are considered part of the base because of the wording contaned in the permanent lease/easement agreements for the ditch.

VIII.6.C The base has discharge impoundments.

VIII.6.C.1 There are 3 water/wastewater treatment impoundments.

VIII.6.C.2 There are 4 industrial wastewater treatment impoundments.

VIII.6.D There are no discharge violations or outstanding discharge open enforcement actions pending.

7. HAZARDOUS MATERIALS - Asbestos

VIII.7.A 100.0 percent of facilities have been surveyed for asbestos.

VIII.7.A.1 65.0 percent of the facilities surveyed are identified as having asbestos.

VIII.7.A.2 26 facilities are considered regulated areas or have restricted use due to friable asbestos.

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8. Biological - Habitat

VIII.8.A **Ecological or wildlife management areas ON the base:**

Small wooded area used for military field training exercises that is relatively undisturbed-located immediately north, northwest of the flighline and is the same area where the Turtle River intersects the base property.

UND has a small open area on the SW corner of the base used for wildlife research

Ecological or wildlife management areas ADJACENT TO the base:

Kellys Slough National Wildlife Refuge is immediately adjacent to the base sewage lagoon system

The National Wildlife Refuge lies east, northeast of the base

VIII.8.A.1 **Natural areas on or adjacent to the base are generally recognized as important ecological sites.**

Kellys Slough National Wildlife Refuge is immediately adjacent to the base sewage lagoon system

Small wooded area used for military field training exercises that is relatively undisturbed-located immediately north, northwest of the flighline and is the same area where the Turtle River intersects the base property.

The National Wildlife Refuge lies east, northeast of the base

UND has a small open area on the SW corner of the base used for wildlife research

VIII.8.B **The U.S. Fish and Wildlife Service has identified critical/sensitive habitats on base.**

The small wooded area used for military field traiing exercises is relatively undisturbed. This area is located immediately north, northwest of the flightline and is the same area where the Turtle River intersects the base property.

The small wooded area used for military field training exercises is relatively undisturbed. This area is located immediately north, northwest of the flightline and is the same area where the Turtle River intersects the base property.

VIII.8.C **The base does not have a cooperative agreement for conducting a hunting and fishing program.**

Cooperative agreements are between the base with the U.S. Fish and Wildlife Service and the State Fish and Game Department.

VIII.8.D **The presence of these resources does not constrain CURRENT construction activities/operations.**

The presence of these resources does not constrain FUTURE construction activities/operations.

1995 AIR FORCE BASE QUESTIONNAIRE
Grand Forks AFB - AMC

9. Biological - Threatened and Endangered Species

VIII.9.A There are No Threatened or endangered species identified on the base.

VIII.9.B There are No Special Concern species identified on the base.

10. Biological - Wetlands

VIII.10.A Wetlands, estuaries, or other special aquatic features present on the base:

VIII.10.A.1	Identification and type of wetland:	Approximate acreage:
	palustrine emergent seasonally flooded/saturated areas	4

VIII.10.A.2 The base is Not involved in jointly-managed programs for protection of these resources.

VIII.10.B The base has Not been surveyed for wetlands in accordance with established federally approved guidelines.

VIII.10.C Part of the base is located in a 100-year floodplain.

VIII.10.D The presence of these resources does Not constrain current or future construction activities or operations.

11. Biological - Floodplains

VIII.11.A Floodplains are present on the base.

VIII.11.A.1 Floodplains do Not constrain construction (siting) activities or operations.

VIII.11.A.2 Periodic flooding does Not constrain base operations.

12. Cultural

VIII.12.A No historic,prehistoric, archaeological sites or other cultural resources are located on the base.

1995 AIR FORCE BASE QUESTIONNAIRE

Grand Forks AFB - AMC

VIII.12.B None of the buildings on-base are over 50 years old.

VIII.12.C No Historic Landmark/Districts, or NRHP properties are located on base.

VIII.12.C.1 No properties have been determined to be or may be eligible for the NRHP.

VIII.12.C.2 Buildings and structures have not been surveyed for Cold War or other historical significance.

VIII.12.D The base has Not been archeologically surveyed.

VIII.12.D.1 Not Applicable.

VIII.12.D.2 No archeological sites have been found.

VIII.12.D.3 No archeological collections are housed on base.

VIII.12.D.4 No Native Americans or others use/identified sacred areas or burial sites on or near base.

VIII.12.E The base has no agreements with historic preservation agencies.

Agreements include Programmatic Agreements and Memorandum of Agreements.
Historical preservation agencies include State Historical Preservation Officer or the Advisory Council on Historic Preservation.

1995 AIR FORCE BASE QUESTIONNAIRE

Grand Forks AFB - AMC

13. Environmental Cleanup - Installation Restoration Program (IRP) and Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

VIII.13.A A preliminary assessment of the installation has been performed.

VIII.13.A.1 6 IRP sites have been identified

VIII.13.A.2 No IRP sites extend off base.

VIII.13.A.3 All on-site remediation is estimated to be in place in 1997

VIII.13.B The installation is Not a National Priority List (NPL) site nor proposed as an NPL site.

VIII.13.C Federal Facility Agreements to clean up the base are in place.

Federal Facility Agreements include Interagency Agreements, Administrative Orders of Consent, and other agreements.

VIII.13.D There reported or known uncontrolled or unregulated occurrences of specific contaminate types and sources.

Contaminate types and sources include landfills, medical wastes, radioactive wastes, etc.

VIII.13.E There are sites or SWMUs currently being investigated and remediated pursuant to RCRA corrective action.

SWMU - Solid Waste Management Units
RCRA - Resource Conservation and Recovery Act

VIII.13.E.1 21 sites are being investigated and remediated.

VIII.13.F The IRP currently restricts construction (siting) activities/operations on-base.

14. Compliance / IRP Costs ($000)

VIII.14.A

Expenditure Category	Current FY	FY + 1	FY + 2	FY + 3	FY + 4
Hazardous Waste Disposal/Remediation	$475,000.000 K	$565,000.000 K	$590,000.000 K	$610,000.000 K	$645,000.000 K
IRP	$206.000 K	$329.000 K	$100.000 K	$5,000.000 K	$4,000.000 K
Natural Resources	$60,000.000 K	$60,000.000 K	$10,000.000 K	$10,000.000 K	$10,000.000 K
Permits	$8,000.000 K	$5,000.000 K	$5,000.000 K	$6,000.000 K	$6,000.000 K

15. Other Issues

VIII.15.A There are no additional activities which may constrain or enhance base operations.

16. Air Quality - Clean Air Act

1995 AIR FORCE BASE QUESTIONNAIRE

Grand Forks AFB - AMC

VIII.16.A **Air Quality Control Area (AQCA) geographic region in which the base is located:**
Rest of North Dakota

VIII.16.B **Air quality regulatory agency responsible for the AQCA:.** Division of Environmental Engineering, North Dakota State Department of Health

VIII.16.B **Name and phone number of the AQCA program manager for issues pertaining to the base:**

Mr. Tom Bachman (701) 221-5188

The EPA has designated the AQCA (or the specific portion of the AQCA containing the base) to be:

VIII.16.C.1 In Attainment for Ozone

VIII.16.C.2 In Attainment for Carbon Monoxide

VIII.16.C.3 In Attainment for Particulate matter (PM-10)

VIII.16.C.4 In Attainment for Sulfur Dioxide

VIII.16.C.5 In Attainment for Nitrogen Dioxide (Not NOx)

VIII.16.C.6 In Attainment for Lead

VIII.16.C.7 **The EPA has Not proposed that any AQCA pollutant in ATTAINMENT be listed as NONATTAINMENT**

VIII.16.D.1 **Ozone daily maximum hourly design value for the portion of the AQCA in which the base is located:** 0.08 ppm

VIII.16.D.2 **Carbon monoxide 8 hour design value for the portion of the AQCA in which the base is located:** 2.9 ppm

VIII.16.D.3 **Ozone Design value is 66.7% of NAAQS**

VIII.16.D.4 **Carbon monoxide Design value is 32.2% of NAAQS**

Air Quality Survey complete, No additional data required.

Realign 67

COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 1/2
Data As Of 09:47 06/20/1995, Report Created 09:51 06/20/1995

Removes demo R+A Position A/O 20 Jun 95

Department : Air Force
Option Package : Grand Forks Alt 1
Scenario File : C:\COBRA95\AF\DBCRC\GRNDFK01.CBR
Std Fctrs File : C:\COBRA95\AF\DOD\STSURVEY\FINAL.SFF

Starting Year : 1996
Final Year : 1998
ROI Year : Immediate

NPV in 2015($K): -447,088
1-Time Cost($K): 11,947

Net Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	0	0	-11,987	-33,897	-33,897	-33,897	-113,679	-33,897
Overhd	207	155	-1,140	-1,257	-1,257	-1,257	-4,549	-1,257
Moving	0	0	1,471	0	0	0	1,471	0
Missio	0	0	0	0	0	0	0	0
Other	0	3,556	807	673	0	0	5,036	0
TOTAL	207	3,711	-10,850	-34,481	-35,154	-35,154	-111,721	-35,154

	1996	1997	1998	1999	2000	2001	Total
POSITIONS ELIMINATED							
Off	0	0	77	0	0	0	77
Enl	0	0	725	0	0	0	725
Civ	0	0	35	0	0	0	35
TOT	0	0	837	0	0	0	837
POSITIONS REALIGNED							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Stu	0	0	0	0	0	0	0
Civ	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0

Summary:

Take BOS savings from drawdown of Grand Forks missile field. Silo destruction not a BRAC move; however, missile movement rivet add is included.
Security Police and Wing overhead associated with missile wing taken as savings
COMMISSION MODIFIED COBRA. REMOVED $5,519K IN HOUSING DEMOLITION COST. STAFF DETERMINED THAT THIS WAS NOT A BRAC REQUIRED COST.

COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 2/2
Data As Of 09:47 06/20/1995, Report Created 09:51 06/20/1995

Department : Air Force
Option Package : Grand Forks Alt 1
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Std Fctrs File : C:\COBRA95\AF\DOD\STSURVEY\FINAL.SFF

Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	0	0	4,961	0	0	0	4,961	0
Overhd	207	155	116	0	0	0	478	0
Moving	0	0	1,471	0	0	0	1,471	0
Missio	0	0	0	0	0	0	0	0
Other	0	3,556	807	673	0	0	5,036	0
TOTAL	207	3,711	7,356	673	0	0	11,947	0

Savings ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	0	0	16,949	33,897	33,897	33,897	118,640	33,897
Overhd	0	0	1,257	1,257	1,257	1,257	5,028	1,257
Moving	0	0	0	0	0	0	0	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
TOTAL	0	0	18,205	35,154	35,154	35,154	123,668	35,154

NET PRESENT VALUES REPORT (COBRA v5.08)
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Department : Air Force
Option Package : Grand Forks Alt 1
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Year	Cost($)	Adjusted Cost($)	NPV($)
1996	206,948	204,160	204,160
1997	3,711,211	3,563,222	3,767,383
1998	-10,849,700	-10,138,254	-6,370,871
1999	-34,481,129	-31,357,763	-37,728,634
2000	-35,154,129	-31,114,162	-68,842,795
2001	-35,154,129	-30,281,422	-99,124,218
2002	-35,154,129	-29,470,971	-128,595,189
2003	-35,154,129	-28,682,210	-157,277,399
2004	-35,154,129	-27,914,560	-185,191,959
2005	-35,154,129	-27,167,455	-212,359,413
2006	-35,154,129	-26,440,345	-238,799,759
2007	-35,154,129	-25,732,696	-264,532,455
2008	-35,154,129	-25,043,986	-289,576,441
2009	-35,154,129	-24,373,709	-313,950,151
2010	-35,154,129	-23,721,372	-337,671,522
2011	-35,154,129	-23,086,493	-360,758,015
2012	-35,154,129	-22,468,606	-383,226,622
2013	-35,154,129	-21,867,257	-405,093,879
2014	-35,154,129	-21,282,002	-426,375,881
2015	-35,154,129	-20,712,410	-447,088,291

TOTAL ONE-TIME COST REPORT (COBRA v5.08) - Page 1/2
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Department : Air Force
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(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		0
Personnel		
Civilian RIF	54,571	
Civilian Early Retirement	16,791	
Civilian New Hires	0	
Eliminated Military PCS	4,880,659	
Unemployment	9,396	
Total - Personnel		4,961,417
Overhead		
Program Planning Support	478,568	
Mothball / Shutdown	0	
Total - Overhead		478,568
Moving		
Civilian Moving	0	
Civilian PPS	316,800	
Military Moving	0	
Freight	0	
One-Time Moving Costs	1,154,000	
Total - Moving		1,470,800
Other		
HAP / RSE	154,200	
Environmental Mitigation Costs	0	
One-Time Unique Costs	4,882,000	
Total - Other		5,036,200
Total One-Time Costs		11,946,986
One-Time Savings		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		0
Total Net One-Time Costs		11,946,986

ONE-TIME COST REPORT (COBRA v5.08) - Page 2/2
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Department : Air Force
Option Package : Grand Forks Alt 1
Scenario File : C:\COBRA95\AF\DBCRC\GRNDFK01.CBR
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Base: GRAND FORKS, ND
(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		0
Personnel		
Civilian RIF	54,571	
Civilian Early Retirement	16,791	
Civilian New Hires	0	
Eliminated Military PCS	4,880,659	
Unemployment	9,396	
Total - Personnel		4,961,417
Overhead		
Program Planning Support	478,568	
Mothball / Shutdown	0	
Total - Overhead		478,568
Moving		
Civilian Moving	0	
Civilian PPS	316,800	
Military Moving	0	
Freight	0	
One-Time Moving Costs	1,154,000	
Total - Moving		1,470,800
Other		
HAP / RSE	154,200	
Environmental Mitigation Costs	0	
One-Time Unique Costs	4,882,000	
Total - Other		5,036,200
Total One-Time Costs		11,946,986
One-Time Savings		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		0
Total Net One-Time Costs		11,946,986

TOTAL MILITARY CONSTRUCTION ASSETS (COBRA v5.08) - Page 1/2
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Department : Air Force
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All Costs in $K

Base Name	Total MilCon	IMA Cost	Land Purch	Cost Avoid	Total Cost
GRAND FORKS	0	0	0	0	0
Totals:	0	0	0	0	0

PERSONNEL SUMMARY REPORT (COBRA v5.08)
Data As Of 09:47 06/20/1995, Report Created 09:51 06/20/1995

Department : Air Force
Option Package : Grand Forks Alt 1
Scenario File : C:\COBRA95\AF\DBCRC\GRNDFK01.CBR
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PERSONNEL SUMMARY FOR: GRAND FORKS, ND

BASE POPULATION (FY 1996):

Officers	Enlisted	Students	Civilians
719	3,888	0	557

FORCE STRUCTURE CHANGES:

	1996	1997	1998	1999	2000	2001	Total
Officers	-68	-74	-67	0	0	0	-209
Enlisted	-167	-303	-167	0	0	0	-637
Students	0	0	0	0	0	0	0
Civilians	-6	-60	6	0	0	0	-60
TOTAL	-241	-437	-228	0	0	0	-906

BASE POPULATION (Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
510	3,251	0	497

SCENARIO POSITION CHANGES:

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	-77	0	0	0	-77
Enlisted	0	0	-725	0	0	0	-725
Civilians	0	0	-35	0	0	0	-35
TOTAL	0	0	-837	0	0	0	-837

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
433	2,526	0	462

TOTAL PERSONNEL IMPACT REPORT (COBRA v5.08) - Page 1/2
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Department : Air Force
Option Package : Grand Forks Alt 1
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	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	10.00%	0	0	0	0	0	0	0
Regular Retirement*	5.00%	0	0	0	0	0	0	0
Civilian Turnover*	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*+		0	0	0	0	0	0	0
Civilians Moving (the remainder)		0	0	0	0	0	0	0
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		0	0	35	0	0	0	35
Early Retirement	10.00%	0	0	4	0	0	0	4
Regular Retirement	5.00%	0	0	2	0	0	0	2
Civilian Turnover	15.00%	0	0	5	0	0	0	5
Civs Not Moving (RIFs)*+		0	0	2	0	0	0	2
Priority Placement#	60.00%	0	0	21	0	0	0	21
Civilians Available to Move		0	0	1	0	0	0	1
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	1	0	0	0	1
CIVILIAN POSITIONS REALIGNING IN		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	4	0	0	0	4
TOTAL CIVILIAN RIFS		0	0	3	0	0	0	3
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	21	0	0	0	21
TOTAL CIVILIAN NEW HIRES		0	0	0	0	0	0	0

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

+ The Percentage of Civilians Not Willing to Move (Voluntary RIFs) varies from base to base.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

PERSONNEL IMPACT REPORT (COBRA v5.08) - Page 2/2
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Department : Air Force
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Base: GRAND FORKS, ND	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	10.00%	0	0	0	0	0	0	0
Regular Retirement*	5.00%	0	0	0	0	0	0	0
Civilian Turnover*	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Civilians Moving (the remainder)		0	0	0	0	0	0	0
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		0	0	35	0	0	0	35
Early Retirement	10.00%	0	0	4	0	0	0	4
Regular Retirement	5.00%	0	0	2	0	0	0	2
Civilian Turnover	15.00%	0	0	5	0	0	0	5
Civs Not Moving (RIFs)*	6.00%	0	0	2	0	0	0	2
Priority Placement#	60.00%	0	0	21	0	0	0	21
Civilians Available to Move		0	0	1	0	0	0	1
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	1	0	0	0	1
CIVILIAN POSITIONS REALIGNING IN		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	4	0	0	0	4
TOTAL CIVILIAN RIFS		0	0	3	0	0	0	3
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	21	0	0	0	21
TOTAL CIVILIAN NEW HIRES		0	0	0	0	0	0	0

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

TOTAL APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 1/6
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Department : Air Force
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ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIF	0	0	54	0	0	0	54
Civ Retire	0	0	17	0	0	0	17
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPS	0	0	317	0	0	0	317
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	0	9	0	0	0	9
OTHER							
Program Plan	207	155	116	0	0	0	478
Shutdown	0	0	0	0	0	0	0
New Hire	0	0	0	0	0	0	0
1-Time Move	0	0	1,154	0	0	0	1,154
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	4,881	0	0	0	4,881
OTHER							
HAP / RSE	0	0	154	0	0	0	154
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	3,556	653	673	0	0	4,882
TOTAL ONE-TIME	207	3,711	7,356	673	0	0	11,947

Department : Air Force
Option Package : Grand Forks Alt 1
Scenario File : C:\COBRA95\AF\DBCRC\GRNDFK01.CBR
Std Fctrs File : C:\COBRA95\AF\DOD\STSURVEY\FINAL.SFF

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL COST	207	3,711	7,356	673	0	0	11,947	0

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	1,257	1,257	1,257	1,257	5,028	1,257
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	816	1,632	1,632	1,632	5,714	1,632
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	3,029	6,057	6,057	6,057	21,201	6,057
Enl Salary	0	0	13,104	26,207	26,207	26,207	91,725	26,207
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	18,205	35,154	35,154	35,154	123,668	35,154
TOTAL SAVINGS	0	0	18,205	35,154	35,154	35,154	123,668	35,154

Department : Air Force
Option Package : Grand Forks Alt 1
Scenario File : C:\COBRA95\AF\DBCRC\GRNDFK01.CBR
Std Fctrs File : C:\COBRA95\AF\DOD\STSURVEY\FINAL.SFF

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	0	71	0	0	0	71
Civ Moving	0	0	317	0	0	0	317
Other	207	155	1,280	0	0	0	1,642
MIL PERSONNEL							
Mil Moving	0	0	4,881	0	0	0	4,881
OTHER							
HAP / RSE	0	0	154	0	0	0	154
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	3,556	653	673	0	0	4,882
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	207	3,711	7,356	673	0	0	11,947

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	-1,257	-1,257	-1,257	-1,257	-5,028	-1,257
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	0	-816	-1,632	-1,632	-1,632	-5,714	-1,632
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	-16,132	-32,265	-32,265	-32,265	-112,926	-32,265
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	-18,205	-35,154	-35,154	-35,154	-123,668	-35,154
TOTAL NET COST	207	3,711	-10,850	-34,481	-35,154	-35,154	-111,721	-35,154

Department : Air Force
Option Package : Grand Forks Alt 1
Scenario File : C:\COBRA95\AF\DBCRC\GRNDFK01.CBR
Std Fctrs File : C:\COBRA95\AF\DOD\STSURVEY\FINAL.SFF

Base: GRAND FORKS, ND

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	54	0	0	0	54
Civ Retire	0	0	17	0	0	0	17
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPS	0	0	317	0	0	0	317
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	0	9	0	0	0	9
OTHER							
Program Plan	207	155	116	0	0	0	478
Shutdown	0	0	0	0	0	0	0
New Hires	0	0	0	0	0	0	0
1-Time Move	0	0	1,154	0	0	0	1,154
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	4,881	0	0	0	4,881
OTHER							
HAP / RSE	0	0	154	0	0	0	154
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	3,556	653	673	0	0	4,882
TOTAL ONE-TIME	207	3,711	7,356	673	0	0	11,947

Department : Air Force
Option Package : Grand Forks Alt 1
Scenario File : C:\COBRA95\AF\DBCRC\GRNDFK01.CBR
Std Fctrs File : C:\COBRA95\AF\DOD\STSURVEY\FINAL.SFF

Base: GRAND FORKS, ND

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL COSTS	207	3,711	7,356	673	0	0	11,947	0

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	1,257	1,257	1,257	1,257	5,028	1,257
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	816	1,632	1,632	1,632	5,714	1,632
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	3,029	6,057	6,057	6,057	21,201	6,057
Enl Salary	0	0	13,104	26,207	26,207	26,207	91,725	26,207
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	18,205	35,154	35,154	35,154	123,668	35,154
TOTAL SAVINGS	0	0	18,205	35,154	35,154	35,154	123,668	35,154

Data As Of 09:47 06/20/1995, Report Created 09:51 06/20/1995

Department : Air Force
Option Package : Grand Forks Alt 1
Scenario File : C:\COBRA95\AF\DBCRC\GRNDFK01.CBR
Std Fctrs File : C:\COBRA95\AF\DOD\STSURVEY\FINAL.SFF

Base: GRAND FORKS, ND

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	0	71	0	0	0	71
Civ Moving	0	0	317	0	0	0	317
Other	207	155	1,280	0	0	0	1,642
MIL PERSONNEL							
Mil Moving	0	0	4,881	0	0	0	4,881
OTHER							
HAP / RSE	0	0	154	0	0	0	154
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	3,556	653	673	0	0	4,882
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	207	3,711	7,356	673	0	0	11,947

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	-1,257	-1,257	-1,257	-1,257	-5,028	-1,257
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	0	-816	-1,632	-1,632	-1,632	-5,714	-1,632
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	-16,132	-32,265	-32,265	-32,265	-112,926	-32,265
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	-18,205	-35,154	-35,154	-35,154	-123,668	-35,154
TOTAL NET COST	207	3,711	-10,850	-34,481	-35,154	-35,154	-111,721	-35,154

PERSONNEL, SF, RPMA, AND BOS DELTAS (COBRA v5.08)
Data As Of 09:47 06/20/1995, Report Created 09:51 06/20/1995

Department : Air Force
Option Package : Grand Forks Alt 1
Scenario File : C:\COBRA95\AF\DBCRC\GRNDFK01.CBR
Std Fctrs File : C:\COBRA95\AF\DOD\STSURVEY\FINAL.SFF

Base	Personnel Change	Personnel %Change	SF Change	SF %Change	SF Chg/Per
GRAND FORKS	-837	-20%	0	0%	0

Base	RPMA($) Change	RPMA($) %Change	RPMA($) Chg/Per	BOS($) Change	BOS($) %Change	BOS($) Chg/Per
GRAND FORKS	0	0%	0	-1,256,923	-11%	1,502

Base	RPMABOS($) Change	RPMABOS($) %Change	RPMABOS($) Chg/Per
GRAND FORKS	-1,256,923	-9%	1,502

RPMA/BOS CHANGE REPORT (COBRA v5.08)
Data As Of 09:47 06/20/1995, Report Created 09:51 06/20/1995

Department : Air Force
Option Package : Grand Forks Alt 1
Scenario File : C:\COBRA95\AF\DBCRC\GRNDFK01.CBR
Std Fctrs File : C:\COBRA95\AF\DOD\STSURVEY\FINAL.SFF

Net Change($K)	1996	1997	1998	1999	2000	2001	Total	Beyond
RPMA Change	0	0	0	0	0	0	0	0
BOS Change	0	0	-1,257	-1,257	-1,257	-1,257	-5,028	-1,257
Housing Change	0	0	0	0	0	0	0	0
TOTAL CHANGES	0	0	-1,257	-1,257	-1,257	-1,257	-5,028	-1,257

INPUT DATA REPORT (COBRA v5.08)
Data As Of 09:47 06/20/1995, Report Created 09:51 06/20/1995

Department : Air Force
Option Package : Grand Forks Alt 1
Scenario File : C:\COBRA95\AF\DBCRC\GRNDFK01.CBR
Std Fctrs File : C:\COBRA95\AF\DOD\STSURVEY\FINAL.SFF

INPUT SCREEN ONE - GENERAL SCENARIO INFORMATION

Model Year One : FY 1996

Model does Time-Phasing of Construction/Shutdown: No

Base Name	Strategy:
GRAND FORKS, ND	Realignment

Summary:

Take BOS savings from drawdown of Grand Forks missile field. Silo destruction not a BRAC move; however, missile movement rivet add is included.
Security Police and Wing overhead associated with missile wing taken as savings
COMMISSION MODIFIED COBRA. REMOVED $5,519K IN HOUSING DEMOLITION COST. STAFF DETERMINED THAT THIS WAS NOT A BRAC REQUIRED COST.

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: GRAND FORKS, ND

Total Officer Employees:	719	RPMA Non-Payroll ($K/Year):	2,699
Total Enlisted Employees:	3,888	Communications ($K/Year):	907
Total Student Employees:	0	BOS Non-Payroll ($K/Year):	12,768
Total Civilian Employees:	557	BOS Payroll ($K/Year):	0
Mil Families Living On Base:	72.0%	Family Housing ($K/Year):	10,312
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	0.98
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	6,664	CHAMPUS Shift to Medicare:	20.9%
Officer VHA ($/Month):	0	Activity Code:	AF031
Enlisted VHA ($/Month):	0		
Per Diem Rate ($/Day):	72	Homeowner Assistance Program:	Yes
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

(See final page for Explanatory Notes)

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: GRAND FORKS, ND

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	0	3,556	653	673	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	1,154	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	100%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	33%	33%	34%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0
Facil ShutDown(KSF):	0	Perc Family Housing ShutDown:				0.0%

(See final page for Explanatory Notes)

Data As Of 09:47 06/20/1995, Report Created 09:51 06/20/1995

Department : Air Force
Option Package : Grand Forks Alt 1
Scenario File : C:\COBRA95\AF\DBCRC\GRNDFK01.CBR
Std Fctrs File : C:\COBRA95\AF\DOD\STSURVEY\FINAL.SFF

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: GRAND FORKS, ND

	1996	1997	1998	1999	2000	2001
Off Force Struc Change:	-68	-74	-67	0	0	0
Enl Force Struc Change:	-167	-303	-167	0	0	0
Civ Force Struc Change:	-6	-60	6	0	0	0
Stu Force Struc Change:	0	0	0	0	0	0
Off Scenario Change:	0	0	-77	0	0	0
Enl Scenario Change:	0	0	-725	0	0	0
Civ Scenario Change:	0	0	-35	0	0	0
Off Change(No Sal Save):	0	0	0	0	0	0
Enl Change(No Sal Save):	0	0	0	0	0	0
Civ Change(No Sal Save):	0	0	0	0	0	0
Caretakers - Military:	0	0	0	0	0	0
Caretakers - Civilian:	0	0	0	0	0	0

STANDARD FACTORS SCREEN ONE - PERSONNEL

Percent Officers Married:	76.80%	Civ Early Retire Pay Factor:	9.00%
Percent Enlisted Married:	66.90%	Priority Placement Service:	60.00%
Enlisted Housing MilCon:	80.00%	PPS Actions Involving PCS:	50.00%
Officer Salary($/Year):	78,668.00	Civilian PCS Costs ($):	28,800.00
Off BAQ with Dependents($):	7,073.00	Civilian New Hire Cost($):	0.00
Enlisted Salary($/Year):	36,148.00	Nat Median Home Price($):	114,600.00
Enl BAQ with Dependents($):	5,162.00	Home Sale Reimburse Rate:	10.00%
Avg Unemploy Cost($/Week):	174.00	Max Home Sale Reimburs($):	22,385.00
Unemployment Eligibility(Weeks):	18	Home Purch Reimburse Rate:	5.00%
Civilian Salary($/Year):	46,642.00	Max Home Purch Reimburs($):	11,191.00
Civilian Turnover Rate:	15.00%	Civilian Homeowning Rate:	64.00%
Civilian Early Retire Rate:	10.00%	HAP Home Value Reimburse Rate:	22.90%
Civilian Regular Retire Rate:	5.00%	HAP Homeowner Receiving Rate:	5.00%
Civilian RIF Pay Factor:	39.00%	RSE Home Value Reimburse Rate:	0.00%
SF File Desc:	Final Factors	RSE Homeowner Receiving Rate:	0.00%

STANDARD FACTORS SCREEN TWO - FACILITIES

RPMA Building SF Cost Index:	0.93	Rehab vs. New MilCon Cost:	0.00%
BOS Index (RPMA vs population):	0.54	Info Management Account:	0.00%
(Indices are used as exponents)		MilCon Design Rate:	0.00%
Program Management Factor:	10.00%	MilCon SIOH Rate:	0.00%
Caretaker Admin(SF/Care):	162.00	MilCon Contingency Plan Rate:	0.00%
Mothball Cost ($/SF):	1.25	MilCon Site Preparation Rate:	0.00%
Avg Bachelor Quarters(SF):	256.00	Discount Rate for NPV.RPT/ROI:	2.75%
Avg Family Quarters(SF):	1,320.00	Inflation Rate for NPV.RPT/ROI:	0.00%

APPDET.RPT Inflation Rates:
1996: 0.00% 1997: 2.90% 1998: 3.00% 1999: 3.00% 2000: 3.00% 2001: 3.00%

STANDARD FACTORS SCREEN THREE - TRANSPORTATION

Material/Assigned Person(Lb):	710	Equip Pack & Crate($/Ton):	284.00
HHG Per Off Family (Lb):	14,500.00	Mil Light Vehicle($/Mile):	0.43
HHG Per Enl Family (Lb):	9,000.00	Heavy/Spec Vehicle($/Mile):	1.40
HHG Per Mil Single (Lb):	6,400.00	POV Reimbursement($/Mile):	0.18
HHG Per Civilian (Lb):	18,000.00	Avg Mil Tour Length (Years):	4.10
Total HHG Cost ($/100Lb):	35.00	Routine PCS($/Pers/Tour):	6,437.00
Air Transport ($/Pass Mile):	0.20	One-Time Off PCS Cost($):	9,142.00
Misc Exp ($/Direct Employ):	700.00	One-Time Enl PCS Cost($):	5,761.00

Department : Air Force
Option Package : Grand Forks Alt 1
Scenario File : C:\COBRA95\AF\DBCRC\GRNDFK01.CBR
Std Fctrs File : C:\COBRA95\AF\DOD\STSURVEY\FINAL.SFF

STANDARD FACTORS SCREEN FOUR - MILITARY CONSTRUCTION

Category	UM	$/UM	Category	UM	$/UM
Horizontal	(SY)	0	other	(SF)	0
Waterfront	(LF)	0	Optional Category B	( )	0
Air Operations	(SF)	0	Optional Category C	( )	0
Operational	(SF)	0	Optional Category D	( )	0
Administrative	(SF)	0	Optional Category E	( )	0
School Buildings	(SF)	0	Optional Category F	( )	0
Maintenance Shops	(SF)	0	Optional Category G	( )	0
Bachelor Quarters	(SF)	0	Optional Category H	( )	0
Family Quarters	(EA)	0	Optional Category I	( )	0
Covered Storage	(SF)	0	Optional Category J	( )	0
Dining Facilities	(SF)	0	Optional Category K	( )	0
Recreation Facilities	(SF)	0	Optional Category L	( )	0
Communications Facil	(SF)	0	Optional Category M	( )	0
Shipyard Maintenance	(SF)	0	Optional Category N	( )	0
RDT & E Facilities	(SF)	0	Optional Category O	( )	0
POL Storage	(BL)	0	Optional Category P	( )	0
Ammunition Storage	(SF)	0	Optional Category Q	( )	0
Medical Facilities	(SF)	0	Optional Category R	( )	0
Environmental	( )	0			

EXPLANATORY NOTES (INPUT SCREEN NINE)

5. 700 K represents cost to move 2 KC-135 Simulators, 2,000 K represent costs for AFBCA

4. Grand Forks baseline 718/3886/464, tenants added 1/2/93, Screen 4 719/3888/557

COMMISSION MODIFICATIONS:

1. Removed $5,519K in MilCon for housing demolition. Determined that it was not a BRAC required cost.

2. Changed housing shutdown from 36% to 0%.

COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 1/2
Data As Of 09:47 05/22/1995, Report Created 09:48 05/22/1995

Realign GF

Department : Air Force
Option Package : Grand Forks Focused
Scenario File : C:\COBRA\REPORT95\COM-AUDT\SS-GRAN1.CBR
Std Fctrs File : C:\COBRA\REPORT95\RECOMEND\FINAL.SFF

Starting Year : 1996
Final Year : 1998
ROI Year : Immediate

NPV in 2015($K): -493,496
1-Time Cost($K): 17,466

Net Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	5,519	0	0	0	0	0	5,519	0
Person	0	0	-11,987	-33,897	-33,897	-33,897	-113,679	-33,897
Overhd	-405	-1,682	-4,222	-4,969	-4,969	-4,969	-21,217	-4,969
Moving	0	0	1,471	0	0	0	1,471	0
Missio	0	0	0	0	0	0	0	0
Other	0	3,556	807	673	0	0	5,036	0
TOTAL	5,113	1,874	-13,931	-38,193	-38,866	-38,866	-122,870	-38,866

	1996	1997	1998	1999	2000	2001	Total
POSITIONS ELIMINATED							
Off	0	0	77	0	0	0	77
Enl	0	0	725	0	0	0	725
Civ	0	0	35	0	0	0	35
TOT	0	0	837	0	0	0	837
POSITIONS REALIGNED							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Stu	0	0	0	0	0	0	0
Civ	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0

Summary:

Take BOS savings from drawdown of Grand Forks missile field. Silo destruction not a BRAC move; however, missile movement rivet add is included.
Security Police and Wing overhead asscciated with missile wing taken as savings

COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 2/2
Data As Of 09:47 05/22/1995, Report Created 09:48 05/22/1995

Department : Air Force
Option Package : Grand Forks Focused
Scenario File : C:\COBRA\REPORT95\COM-AUDT\SS-GRAN1.CBR
Std Fctrs File : C:\COBRA\REPORT95\RECOMEND\FINAL.SFF

Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	5,519	0	0	0	0	0	5,519	0
Person	0	0	4,961	0	0	0	4,961	0
Overhd	207	155	116	0	0	0	478	0
Moving	0	0	1,471	0	0	0	1,471	0
Missio	0	0	0	0	0	0	0	0
Other	0	3,556	807	673	0	0	5,036	0
TOTAL	5,726	3,711	7,356	673	0	0	17,466	0

Savings ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	0	0	16,949	33,897	33,897	33,897	118,640	33,897
Overhd	612	1,837	4,338	4,969	4,969	4,969	21,696	4,969
Moving	0	0	0	0	0	0	0	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
TOTAL	612	1,837	21,287	38,866	38,866	38,866	140,336	38,866

NET PRESENT VALUES REPORT (COBRA v5.08)
Data As Of 09:47 05/22/1995, Report Created 09:48 05/22/1995

Department : Air Force
Option Package : Grand Forks Focused
Scenario File : C:\COBRA\REPORT95\COM-AUDT\SS-GRAN1.CBR
Std Fctrs File : C:\COBRA\REPORT95\RECOMEND\FINAL.SFF

Year	Cost($)	Adjusted Cost($)	NPV($)
1996	5,113,416	5,044,524	5,044,524
1997	1,873,613	1,798,900	6,843,424
1998	-13,930,926	-13,017,434	-6,174,010
1999	-38,193,449	-34,733,814	-40,907,824
2000	-38,866,449	-34,399,856	-75,307,680
2001	-38,866,449	-33,479,179	-108,786,859
2002	-38,866,449	-32,583,142	-141,370,001
2003	-38,866,449	-31,711,087	-173,081,088
2004	-38,866,449	-30,862,372	-203,943,460
2005	-38,866,449	-30,036,372	-233,979,832
2006	-38,866,449	-29,232,479	-263,212,311
2007	-38,866,449	-28,450,101	-291,662,412
2008	-38,866,449	-27,688,663	-319,351,075
2009	-38,866,449	-26,947,604	-346,298,678
2010	-38,866,449	-26,226,378	-372,525,057
2011	-38,866,449	-25,524,456	-398,049,512
2012	-38,866,449	-24,841,319	-422,890,832
2013	-38,866,449	-24,176,466	-447,067,298
2014	-38,866,449	-23,529,408	-470,596,706
2015	-38,866,449	-22,899,667	-493,496,373

TOTAL ONE-TIME COST REPORT (COBRA v5.08)
Data As Of 09:47 05/22/1995, Report Created 09:48 05/22/1995

Department : Air Force
Option Package : Grand Forks Focused
Scenario File : C:\COBRA\REPORT95\COM-AUDT\SS-GRAN1.CBR
Std Fctrs File : C:\COBRA\REPORT95\RECOMEND\FINAL.SFF

(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	5,519,000	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		5,519,000
Personnel		
Civilian RIF	54,571	
Civilian Early Retirement	16,791	
Civilian New Hires	0	
Eliminated Military PCS	4,880,659	
Unemployment	9,396	
Total - Personnel		4,961,417
Overhead		
Program Planning Support	478,568	
Mothball / Shutdown	0	
Total - Overhead		478,568
Moving		
Civilian Moving	0	
Civilian PPS	316,800	
Military Moving	0	
Freight	0	
One-Time Moving Costs	1,154,000	
Total - Moving		1,470,800
Other		
HAP / RSE	154,200	
Environmental Mitigation Costs	0	
One-Time Unique Costs	4,882,000	
Total - Other		5,036,200
Total One-Time Costs		17,465,986
One-Time Savings		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	0	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		0
Total Net One-Time Costs		17,465,986

TOTAL MILITARY CONSTRUCTION ASSETS (COBRA v5.08)
Data As Of 09:47 05/22/1995, Report Created 09:48 05/22/1995

Department : Air Force
Option Package : Grand Forks Focused
Scenario File : C:\COBRA\REPORT95\COM-AUDT\SS-GRAN1.CBR
Std Fctrs File : C:\COBRA\REPORT95\RECOMEND\FINAL.SFF

All Costs in $K

Base Name	Total MilCon	IMA Cost	Land Purch	Cost Avoid	Total Cost
GRAND FORKS	5,519	0	0	0	5,519
Totals:	5,519	0	0	0	5,519

PERSONNEL SUMMARY REPORT (COBRA v5.08)
Data As Of 09:47 05/22/1995, Report Created 09:48 05/22/1995

Department : Air Force
Option Package : Grand Forks Focused
Scenario File : C:\COBRA\REPORT95\COM-AUDT\SS-GRAN1.CBR
Std Fctrs File : C:\COBRA\REPORT95\RECOMEND\FINAL.SFF

PERSONNEL SUMMARY FOR: GRAND FORKS, ND

BASE POPULATION (FY 1996):

Officers	Enlisted	Students	Civilians
719	3,888	0	557

FORCE STRUCTURE CHANGES:

	1996	1997	1998	1999	2000	2001	Total
Officers	-68	-74	-67	0	0	0	-209
Enlisted	-167	-303	-167	0	0	0	-637
Students	0	0	0	0	0	0	0
Civilians	-6	-60	6	0	0	0	-60
TOTAL	-241	-437	-228	0	0	0	-906

BASE POPULATION (Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
510	3,251	0	497

SCENARIO POSITION CHANGES:

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	-77	0	0	0	-77
Enlisted	0	0	-725	0	0	0	-725
Civilians	0	0	-35	0	0	0	-35
TOTAL	0	0	-837	0	0	0	-837

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
433	2,526	0	462

TOTAL PERSONNEL IMPACT REPORT (COBRA v5.08)
Data As Of 09:47 05/22/1995, Report Created 09:48 05/22/1995

Department : Air Force
Option Package : Grand Forks Focused
Scenario File : C:\COBRA\REPORT95\COM-AUDT\SS-GRAN1.CBR
Std Fctrs File : C:\COBRA\REPORT95\RECOMEND\FINAL.SFF

	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	10.00%	0	0	0	0	0	0	0
Regular Retirement*	5.00%	0	0	0	0	0	0	0
Civilian Turnover*	15.00%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*+		0	0	0	0	0	0	0
Civilians Moving (the remainder)		0	0	0	0	0	0	0
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		0	0	35	0	0	0	35
Early Retirement	10.00%	0	0	4	0	0	0	4
Regular Retirement	5.00%	0	0	2	0	0	0	2
Civilian Turnover	15.00%	0	0	5	0	0	0	5
Civs Not Moving (RIFs)*+		0	0	2	0	0	0	2
Priority Placement#	60.00%	0	0	21	0	0	0	21
Civilians Available to Move		0	0	1	0	0	0	1
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	1	0	0	0	1
CIVILIAN POSITIONS REALIGNING IN		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	4	0	0	0	4
TOTAL CIVILIAN RIFS		0	0	3	0	0	0	3
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	21	0	0	0	21
TOTAL CIVILIAN NEW HIRES		0	0	0	0	0	0	0

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

+ The Percentage of Civilians Not Willing to Move (Voluntary RIFs) varies from base to base.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

TOTAL APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 1/3
Data As Of 09:47 05/22/1995, Report Created 09:48 05/22/1995

Department : Air Force
Option Package : Grand Forks Focused
Scenario File : C:\COBRA\REPORT95\COM-AUDT\SS-GRAN1.CBR
Std Fctrs File : C:\COBRA\REPORT95\RECOMEND\FINAL.SFF

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	5,519	0	0	0	0	0	5,519
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIF	0	0	54	0	0	0	54
Civ Retire	0	0	17	0	0	0	17
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPS	0	0	317	0	0	0	317
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	0	9	0	0	0	9
OTHER							
Program Plan	207	155	116	0	0	0	478
Shutdown	0	0	0	0	0	0	0
New Hire	0	0	0	0	0	0	0
1-Time Move	0	0	1,154	0	0	0	1,154
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	4,881	0	0	0	4,881
OTHER							
HAP / RSE	0	0	154	0	0	0	154
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	3,556	653	673	0	0	4,882
TOTAL ONE-TIME	5,726	3,711	7,356	673	0	0	17,466

Department : Air Force
Option Package : Grand Forks Focused
Scenario File : C:\COBRA\REPORT95\COM-AUDT\SS-GRAN1.CBR
Std Fctrs File : C:\COBRA\REPORT95\RECOMEND\FINAL.SFF

RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL COST	5,726	3,711	7,356	673	0	0	17,466	0

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
Fam Housing	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	612	1,837	3,081	3,712	3,712	3,712	16,668	3,712
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	1,257	1,257	1,257	1,257	5,028	1,257
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	816	1,632	1,632	1,632	5,714	1,632
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	3,029	6,057	6,057	6,057	21,201	6,057
Enl Salary	0	0	13,104	26,207	26,207	26,207	91,725	26,207
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	612	1,837	21,287	38,866	38,866	38,866	140,336	38,866
TOTAL SAVINGS	612	1,837	21,287	38,866	38,866	38,866	140,336	38,866

TOTAL APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 3/3
Data As Of 09:47 05/22/1995, Report Created 09:48 05/22/1995

Department : Air Force
Option Package : Grand Forks Focused
Scenario File : C:\COBRA\REPORT95\COM-AUDT\SS-GRAN1.CBR
Std Fctrs File : C:\COBRA\REPORT95\RECOMEND\FINAL.SFF

ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	5,519	0	0	0	0	0	5,519
Fam Housing	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	0	71	0	0	0	71
Civ Moving	0	0	317	0	0	0	317
Other	207	155	1,280	0	0	0	1,642
MIL PERSONNEL							
Mil Moving	0	0	4,881	0	0	0	4,881
OTHER							
HAP / RSE	0	0	154	0	0	0	154
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	3,556	653	673	0	0	4,882
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	5,726	3,711	7,356	673	0	0	17,466

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	-612	-1,837	-3,081	-3,712	-3,712	-3,712	-16,668	-3,712
O&M								
RPMA	0	0	0	0	0	0	0	0
BOS	0	0	-1,257	-1,257	-1,257	-1,257	-5,028	-1,257
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	0	-816	-1,632	-1,632	-1,632	-5,714	-1,632
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	-16,132	-32,265	-32,265	-32,265	-112,926	-32,265
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	-612	-1,837	-21,287	-38,866	-38,866	-38,866	-140,336	-38,866
TOTAL NET COST	5,113	1,874	-13,931	-38,193	-38,866	-38,866	-122,870	-38,866

PERSONNEL, SF, RPMA, AND BOS DELTAS (COBRA v5.08)
Data As Of 09:47 05/22/1995, Report Created 09:48 05/22/1995

Department : Air Force
Option Package : Grand Forks Focused
Scenario File : C:\COBRA\REPORT95\COM-AUDT\SS-GRAN1.CBR
Std Fctrs File : C:\COBRA\REPORT95\RECOMEND\FINAL.SFF

	Personnel		SF		
Base	Change	%Change	Change	%Change	Chg/Per
GRAND FORKS	-837	-20%	0	0%	0

	RPMA($)			BOS($)		
Base	Change	%Change	Chg/Per	Change	%Change	Chg/Per
GRAND FORKS	0	0%	0	-1,256,923	-11%	1,502

	RPMABOS($)		
Base	Change	%Change	Chg/Per
GRAND FORKS	-1,256,923	-9%	1,502

RPMA/BOS CHANGE REPORT (COBRA v5.08)
Data As Of 09:47 05/22/1995, Report Created 09:48 05/22/1995

Department : Air Force
Option Package : Grand Forks Focused
Scenario File : C:\COBRA\REPORT95\COM-AUDT\SS-GRAN1.CBR
Std Fctrs File : C:\COBRA\REPORT95\RECOMEND\FINAL.SFF

Net Change($K)	1996	1997	1998	1999	2000	2001	Total	Beyond
RPMA Change	0	0	0	0	0	0	0	0
BOS Change	0	0	-1,257	-1,257	-1,257	-1,257	-5,028	-1,257
Housing Change	-612	-1,837	-3,081	-3,712	-3,712	-3,712	-16,668	-3,712
TOTAL CHANGES	-612	-1,837	-4,338	-4,969	-4,969	-4,969	-21,696	-4,969

INPUT DATA REPORT (COBRA v5.08)
Data As Of 09:47 05/22/1995, Report Created 09:48 05/22/1995

Department : Air Force
Option Package : Grand Forks Focused
Scenario File : C:\COBRA\REPORT95\COM-AUDT\SS-GRAN1.CBR
Std Fctrs File : C:\COBRA\REPORT95\RECOMEND\FINAL.SFF

INPUT SCREEN ONE - GENERAL SCENARIO INFORMATION

Model Year One : FY 1996

Model does Time-Phasing of Construction/Shutdown: No

Base Name	Strategy:
GRAND FORKS, ND	Realignment

Summary:

Take BOS savings from drawdown of Grand Forks missile field. Silo destruction not a BRAC move; however, missile movement rivet add is included.
Security Police and Wing overhead associated with missile wing taken as savings

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: GRAND FORKS, ND

Total Officer Employees:	719	RPMA Non-Payroll ($K/Year):	2,699
Total Enlisted Employees:	3,888	Communications ($K/Year):	907
Total Student Employees:	0	BOS Non-Payroll ($K/Year):	12,768
Total Civilian Employees:	557	BOS Payroll ($K/Year):	0
Mil Families Living On Base:	72.0%	Family Housing ($K/Year):	10,312
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	0.98
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	6,664	CHAMPUS Shift to Medicare:	20.9%
Officer VHA ($/Month):	0	Activity Code:	AF031
Enlisted VHA ($/Month):	0		
Per Diem Rate ($/Day):	72	Homeowner Assistance Program:	Yes
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

(See final page for Explanatory Notes)

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: GRAND FORKS, ND

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	0	3,556	653	673	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	1,154	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	100%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	33%	33%	34%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0
Facil ShutDown(KSF):	0	Perc Family Housing ShutDown:				36.0%

(See final page for Explanatory Notes)

Data As Of 09:47 05/22/1995, Report Created 09:48 05/22/1995

Department : Air Force
Option Package : Grand Forks Focused
Scenario File : C:\COBRA\REPORT95\COM-AUDT\SS-GRAN1.CBR
Std Fctrs File : C:\COBRA\REPORT95\RECOMEND\FINAL.SFF

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: GRAND FORKS, ND

	1996	1997	1998	1999	2000	2001
Off Force Struc Change:	-68	-74	-67	0	0	0
Enl Force Struc Change:	-167	-303	-167	0	0	0
Civ Force Struc Change:	-6	-60	6	0	0	0
Stu Force Struc Change:	0	0	0	0	0	0
Off Scenario Change:	0	0	-77	0	0	0
Enl Scenario Change:	0	0	-725	0	0	0
Civ Scenario Change:	0	0	-35	0	0	0
Off Change(No Sal Save):	0	0	0	0	0	0
Enl Change(No Sal Save):	0	0	0	0	0	0
Civ Change(No Sal Save):	0	0	0	0	0	0
Caretakers - Military:	0	0	0	0	0	0
Caretakers - Civilian:	0	0	0	0	0	0

INPUT SCREEN SEVEN - BASE MILITARY CONSTRUCTION INFORMATION

Name: GRAND FORKS, ND

Description	Categ	New MilCon	Rehab MilCon	Total Cost($K)
Demolish Housing	OTHER	0	0	5,519

STANDARD FACTORS SCREEN ONE - PERSONNEL

Percent Officers Married:	76.80%	Civ Early Retire Pay Factor:	9.00%
Percent Enlisted Married:	66.90%	Priority Placement Service:	60.00%
Enlisted Housing MilCon:	80.00%	PPS Actions Involving PCS:	50.00%
Officer Salary($/Year):	78,668.00	Civilian PCS Costs ($):	28,800.00
Off BAQ with Dependents($):	7,073.00	Civilian New Hire Cost($):	0.00
Enlisted Salary($/Year):	36,148.00	Nat Median Home Price($):	114,600.00
Enl BAQ with Dependents($):	5,162.00	Home Sale Reimburse Rate:	10.00%
Avg Unemploy Cost($/Week):	174.00	Max Home Sale Reimburs($):	22,385.00
Unemployment Eligibility(Weeks):	18	Home Purch Reimburse Rate:	5.00%
Civilian Salary($/Year):	46,642.00	Max Home Purch Reimburs($):	11,191.00
Civilian Turnover Rate:	15.00%	Civilian Homeowning Rate:	64.00%
Civilian Early Retire Rate:	10.00%	HAP Home Value Reimburse Rate:	22.90%
Civilian Regular Retire Rate:	5.00%	HAP Homeowner Receiving Rate:	5.00%
Civilian RIF Pay Factor:	39.00%	RSE Home Value Reimburse Rate:	0.00%
SF File Desc:	Final Factors	RSE Homeowner Receiving Rate:	0.00%

STANDARD FACTORS SCREEN TWO - FACILITIES

RPMA Building SF Cost Index:	0.93	Rehab vs. New MilCon Cost:	0.00%
BOS Index (RPMA vs population):	0.54	Info Management Account:	0.00%
(Indices are used as exponents)		MilCon Design Rate:	0.00%
Program Management Factor:	10.00%	MilCon SIOH Rate:	0.00%
Caretaker Admin(SF/Care):	162.00	MilCon Contingency Plan Rate:	0.00%
Mothball Cost ($/SF):	1.25	MilCon Site Preparation Rate:	0.00%
Avg Bachelor Quarters(SF):	256.00	Discount Rate for NPV.RPT/ROI:	2.75%
Avg Family Quarters(SF):	1,320.00	Inflation Rate for NPV.RPT/ROI:	0.00%

APPDET.RPT Inflation Rates:
1996: 0.00% 1997: 2.90% 1998: 3.00% 1999: 3.00% 2000: 3.00% 2001: 3.00%

Department : Air Force
Option Package : Grand Forks Focused
Scenario File : C:\COBRA\REPORT95\COM-AUDT\SS-GRAN1.CBR
Std Fctrs File : C:\COBRA\REPORT95\RECOMEND\FINAL.SFF

STANDARD FACTORS SCREEN THREE - TRANSPORTATION

Material/Assigned Person(Lb):	710	Equip Pack & Crate($/Ton):	284.00
HHG Per Off Family (Lb):	14,500.00	Mil Light Vehicle($/Mile):	0.43
HHG Per Enl Family (Lb):	9,000.00	Heavy/Spec Vehicle($/Mile):	1.40
HHG Per Mil Single (Lb):	6,400.00	POV Reimbursement($/Mile):	0.18
HHG Per Civilian (Lb):	18,000.00	Avg Mil Tour Length (Years):	4.10
Total HHG Cost ($/100Lb):	35.00	Routine PCS($/Pers/Tour):	6,437.00
Air Transport ($/Pass Mile):	0.20	One-Time Off PCS Cost($):	9,142.00
Misc Exp ($/Direct Employ):	700.00	One-Time Enl PCS Cost($):	5,761.00

STANDARD FACTORS SCREEN FOUR - MILITARY CONSTRUCTION

Category	UM	$/UM	Category	UM	$/UM
Horizontal	(SY)	0	other	(SF)	0
Waterfront	(LF)	0	Optional Category B	( )	0
Air Operations	(SF)	0	Optional Category C	( )	0
Operational	(SF)	0	Optional Category D	( )	0
Administrative	(SF)	0	Optional Category E	( )	0
School Buildings	(SF)	0	Optional Category F	( )	0
Maintenance Shops	(SF)	0	Optional Category G	( )	0
Bachelor Quarters	(SF)	0	Optional Category H	( )	0
Family Quarters	(EA)	0	Optional Category I	( )	0
Covered Storage	(SF)	0	Optional Category J	( )	0
Dining Facilities	(SF)	0	Optional Category K	( )	0
Recreation Facilities	(SF)	0	Optional Category L	( )	0
Communications Facil	(SF)	0	Optional Category M	( )	0
Shipyard Maintenance	(SF)	0	Optional Category N	( )	0
RDT & E Facilities	(SF)	0	Optional Category O	( )	0
POL Storage	(BL)	0	Optional Category P	( )	0
Ammunition Storage	(SF)	0	Optional Category Q	( )	0
Medical Facilities	(SF)	0	Optional Category R	( )	0
Environmental	( )	0			

EXPLANATORY NOTES (INPUT SCREEN NINE)

5. 700 K represents cost to move 2 KC-135 Simulators, 2,000 K represent

costs for AFBCA

4. Grand Forks baseline 718/3886/464, tenants added 1/2/93, Screen 4

719/3888/557

COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 1/2
Data As Of 17:08 05/30/1995, Report Created 17:08 05/30/1995

Close GF

R+A Position

Department : Air Force
Option Package : Grand Forks Comm
Scenario File : C:\COBRA\REPORT95\COM-AUDT\GRA13703.CBR
Std Fctrs File : C:\COBRA\REPORT95\RECOMEND\FINAL.SFF

Starting Year : 1996
Final Year : 1998
ROI Year : 2000 (2 Years)

NPV in 2015($K): -960,215
1-Time Cost($K): 215,250

Net Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	7,858	138,268	0	0	0	0	146,126	0
Person	0	6,351	-19,883	-66,496	-66,496	-66,496	-213,021	-66,496
Overhd	1,714	206	-15,474	-21,187	-21,187	-21,187	-77,117	-21,187
Moving	0	18,144	1,066	0	0	0	19,209	0
Missio	0	0	0	0	0	0	0	0
Other	2,000	2,632	2,363	0	0	0	6,995	0
TOTAL	11,572	165,601	-31,928	-87,684	-87,684	-87,684	-117,807	-87,684

	1996	1997	1998	1999	2000	2001	Total
POSITIONS ELIMINATED							
Off	0	0	134	0	0	0	134
Enl	0	0	1,550	0	0	0	1,550
Civ	0	0	122	0	0	0	122
TOT	0	0	1,806	0	0	0	1,806
POSITIONS REALIGNED							
Off	0	382	0	0	0	0	382
Enl	0	1,885	0	0	0	0	1,885
Stu	0	0	0	0	0	0	0
Civ	0	333	0	0	0	0	333
TOT	0	2,600	0	0	0	0	2,600

Summary:

THIS COBRA RUN WAS REQUESTED BY THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION. IT DOES NOT REFLECT AIR FORCE POSITION
Close Grand Forks AFB.

As with the DoD recommendation to realign Grand Forks AFB, the missile wing savings may not be considered in their entirety as BRAC costs and savings. The inactivation of a missile field has already been programmed in the Air Force budget.

COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 2/2
Data As Of 17:08 05/30/1995, Report Created 17:08 05/30/1995

Department : Air Force
Option Package : Grand Forks Comm
Scenario File : C:\COBRA\REPORT95\COM-AUDT\GRA13703.CBR
Std Fctrs File : C:\COBRA\REPORT95\RECOMEND\FINAL.SFF

Costs ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	16,358	147,225	0	0	0	0	163,583	0
Person	0	10,720	20,615	10,133	10,133	10,133	61,736	10,133
Overhd	3,832	6,579	6,865	3,424	3,424	3,424	27,548	3,424
Moving	0	21,703	1,066	0	0	0	22,769	0
Missio	0	0	0	0	0	0	0	0
Other	2,000	2,632	2,363	0	0	0	6,995	0
TOTAL	22,190	188,859	30,909	13,557	13,557	13,557	282,631	13,557

Savings ($K) Constant Dollars

	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	8,500	8,957	0	0	0	0	17,457	0
Person	0	4,368	40,499	76,630	76,630	76,630	274,757	76,630
Overhd	2,118	6,374	22,339	24,611	24,611	24,611	104,665	24,611
Moving	0	3,559	0	0	0	0	3,559	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
TOTAL	10,618	23,258	62,838	101,241	101,241	101,241	400,437	101,241

NET PRESENT VALUES REPORT (COBRA v5.08)
Data As Of 17:08 05/30/1995, Report Created 17:08 05/30/1995

Department : Air Force
Option Package : Grand Forks Comm
Scenario File : C:\COBRA\REPORT95\COM-AUDT\GRA13703.CBR
Std Fctrs File : C:\COBRA\REPORT95\RECOMEND\FINAL.SFF

Year	Cost($)	Adjusted Cost($)	NPV($)
1996	11,572,105	11,416,196	11,416,196
1997	165,600,809	158,997,285	170,413,481
1998	-31,928,453	-29,834,812	140,578,669
1999	-87,683,788	-79,741,224	60,837,446
2000	-87,683,788	-77,607,030	-16,769,584
2001	-87,683,788	-75,529,956	-92,299,541
2002	-87,683,788	-73,508,473	-165,808,014
2003	-87,683,788	-71,541,093	-237,349,108
2004	-87,683,788	-69,626,368	-306,975,476
2005	-87,683,788	-67,762,889	-374,738,365
2006	-87,683,788	-65,949,283	-440,687,648
2007	-87,683,788	-64,184,217	-504,871,866
2008	-87,683,788	-62,466,392	-567,338,258
2009	-87,683,788	-60,794,542	-628,132,799
2010	-87,683,788	-59,167,437	-687,300,237
2011	-87,683,788	-57,583,881	-744,884,117
2012	-87,683,788	-56,042,706	-800,926,824
2013	-87,683,788	-54,542,780	-855,469,603
2014	-87,683,788	-53,082,997	-908,552,601
2015	-87,683,788	-51,662,284	-960,214,885

TOTAL ONE-TIME COST REPORT (COBRA v5.08)
Data As Of 17:08 05/30/1995, Report Created 17:08 05/30/1995

Department : Air Force
Option Package : Grand Forks Comm
Scenario File : C:\COBRA\REPORT95\COM-AUDT\GRA13703.CBR
Std Fctrs File : C:\COBRA\REPORT95\RECOMEND\FINAL.SFF

(All values in Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	163,583,000	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
Total - Construction		163,583,000
Personnel		
Civilian RIF	618,473	
Civilian Early Retirement	188,900	
Civilian New Hires	0	
Eliminated Military PCS	10,154,578	
Unemployment	106,488	
Total - Personnel		11,068,439
Overhead		
Program Planning Support	2,504,651	
Mothball / Shutdown	8,330,000	
Total - Overhead		10,834,651
Moving		
Civilian Moving	5,730,360	
Civilian PPS	1,065,600	
Military Moving	11,015,515	
Freight	3,257,232	
One-Time Moving Costs	1,700,000	
Total - Moving		22,768,707
Other		
HAP / RSE	995,332	
Environmental Mitigation Costs	0	
One-Time Unique Costs	6,000,000	
Total - Other		6,995,332
Total One-Time Costs		215,250,129
One-Time Savings		
Military Construction Cost Avoidances	8,500,000	
Family Housing Cost Avoidances	8,957,000	
Military Moving	3,559,190	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		21,016,190
Total Net One-Time Costs		194,233,939

TOTAL MILITARY CONSTRUCTION ASSETS (COBRA v5.08)
Data As Of 17:08 05/30/1995, Report Created 17:08 05/30/1995

Department : Air Force
Option Package : Grand Forks Comm
Scenario File : C:\COBRA\REPORT95\COM-AUDT\GRA13703.CBR
Std Fctrs File : C:\COBRA\REPORT95\RECOMEND\FINAL.SFF

All Costs in $K

Base Name	Total MilCon	IMA Cost	Land Purch	Cost Avoid	Total Cost
BASE X	0	0	0	0	0
MACDILL	74,043	0	0	0	74,043
GRAND FORKS	0	0	0	-17,457	-17,457
SEYMOUR JOHNSON	89,540	0	0	0	89,540
Totals:	163,583	0	0	-17,457	146,126

PERSONNEL SUMMARY REPORT (COBRA v5.08)
Data As Of 17:08 05/30/1995, Report Created 17:08 05/30/1995

Department : Air Force
Option Package : Grand Forks Comm
Scenario File : C:\COBRA\REPORT95\COM-AUDT\GRA13703.CBR
Std Fctrs File : C:\COBRA\REPORT95\RECOMEND\FINAL.SFF

PERSONNEL SUMMARY FOR: BASE X

BASE POPULATION (FY 1996, Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
736	3,263	0	11,455

PERSONNEL REALIGNMENTS:
From Base: GRAND FORKS, ND

	1996	1997	1998	1999	2000	2001	Total
Officers	0	110	0	0	0	0	110
Enlisted	0	587	0	0	0	0	587
Students	0	0	0	0	0	0	0
Civilians	0	294	0	0	0	0	294
TOTAL	0	991	0	0	0	0	991

TOTAL PERSONNEL REALIGNMENTS (Into BASE X):

	1996	1997	1998	1999	2000	2001	Total
Officers	0	110	0	0	0	0	110
Enlisted	0	587	0	0	0	0	587
Students	0	0	0	0	0	0	0
Civilians	0	294	0	0	0	0	294
TOTAL	0	991	0	0	0	0	991

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
846	3,850	0	11,749

PERSONNEL SUMMARY FOR: MACDILL, FL

BASE POPULATION (FY 1996, Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
516	1,911	0	841

PERSONNEL REALIGNMENTS:
From Base: GRAND FORKS, ND

	1996	1997	1998	1999	2000	2001	Total
Officers	0	109	0	0	0	0	109
Enlisted	0	584	0	0	0	0	584
Students	0	0	0	0	0	0	0
Civilians	0	14	0	0	0	0	14
TOTAL	0	707	0	0	0	0	707

TOTAL PERSONNEL REALIGNMENTS (Into MACDILL, FL):

	1996	1997	1998	1999	2000	2001	Total
Officers	0	109	0	0	0	0	109
Enlisted	0	584	0	0	0	0	584
Students	0	0	0	0	0	0	0
Civilians	0	14	0	0	0	0	14
TOTAL	0	707	0	0	0	0	707

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
625	2,495	0	855

Data As Of 17:08 05/30/1995, Report Created 17:08 05/30/1995

Department : Air Force
Option Package : Grand Forks Comm
Scenario File : C:\COBRA\REPORT95\COM-AUDT\GRA13703.CBR
Std Fctrs File : C:\COBRA\REPORT95\RECOMEND\FINAL.SFF

PERSONNEL SUMMARY FOR: GRAND FORKS, ND

BASE POPULATION (FY 1996):

Officers	Enlisted	Students	Civilians
719	3,888	0	587

FORCE STRUCTURE CHANGES:

	1996	1997	1998	1999	2000	2001	Total
Officers	-68	-68	-67	0	0	0	-203
Enlisted	-167	-119	-167	0	0	0	-453
Students	0	0	0	0	0	0	0
Civilians	-6	-120	-6	0	0	0	-132
TOTAL	-241	-307	-240	0	0	0	-788

BASE POPULATION (Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
516	3,435	0	455

PERSONNEL REALIGNMENTS:

To Base: BASE X

	1996	1997	1998	1999	2000	2001	Total
Officers	0	110	0	0	0	0	110
Enlisted	0	587	0	0	0	0	587
Students	0	0	0	0	0	0	0
Civilians	0	294	0	0	0	0	294
TOTAL	0	991	0	0	0	0	991

To Base: MACDILL, FL

	1996	1997	1998	1999	2000	2001	Total
Officers	0	109	0	0	0	0	109
Enlisted	0	584	0	0	0	0	584
Students	0	0	0	0	0	0	0
Civilians	0	14	0	0	0	0	14
TOTAL	0	707	0	0	0	0	707

To Base: SEYMOUR JOHNSON, NC

	1996	1997	1998	1999	2000	2001	Total
Officers	0	163	0	0	0	0	163
Enlisted	0	714	0	0	0	0	714
Students	0	0	0	0	0	0	0
Civilians	0	25	0	0	0	0	25
TOTAL	0	902	0	0	0	0	902

TOTAL PERSONNEL REALIGNMENTS (Out of GRAND FORKS, ND):

	1996	1997	1998	1999	2000	2001	Total
Officers	0	382	0	0	0	0	382
Enlisted	0	1,885	0	0	0	0	1,885
Students	0	0	0	0	0	0	0
Civilians	0	333	0	0	0	0	333
TOTAL	0	2,600	0	0	0	0	2,600

SCENARIO POSITION CHANGES:

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	-134	0	0	0	-134
Enlisted	0	0	-1,550	0	0	0	-1,550
Civilians	0	0	-122	0	0	0	-122
TOTAL	0	0	-1,806	0	0	0	-1,806

Department : Air Force
Option Package : Grand Forks Comm
Scenario File : C:\COBRA\REPORT95\COM-AUDT\GRA13703.CBR
Std Fctrs File : C:\COBRA\REPORT95\RECOMEND\FINAL.SFF

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
0	0	0	0

PERSONNEL SUMMARY FOR: SEYMOUR JOHNSON, NC

BASE POPULATION (FY 1996, Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
455	3,625	0	569

PERSONNEL REALIGNMENTS:
From Base: GRAND FORKS, ND

	1996	1997	1998	1999	2000	2001	Total
Officers	0	163	0	0	0	0	163
Enlisted	0	714	0	0	0	0	714
Students	0	0	0	0	0	0	0
Civilians	0	25	0	0	0	0	25
TOTAL	0	902	0	0	0	0	902

TOTAL PERSONNEL REALIGNMENTS (Into SEYMOUR JOHNSON, NC):

	1996	1997	1998	1999	2000	2001	Total
Officers	0	163	0	0	0	0	163
Enlisted	0	714	0	0	0	0	714
Students	0	0	0	0	0	0	0
Civilians	0	25	0	0	0	0	25
TOTAL	0	902	0	0	0	0	902

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
618	4,339	0	594

TOTAL PERSONNEL IMPACT REPORT (COBRA v5.08)
Data As Of 17:08 05/30/1995, Report Created 17:08 05/30/1995

Department : Air Force
Option Package : Grand Forks Comm
Scenario File : C:\COBRA\REPORT95\COM-AUDT\GRA13703.CBR
Std Fctrs File : C:\COBRA\REPORT95\RECOMEND\FINAL.SFF

	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	333	0	0	0	0	333
Early Retirement*	10.00%	0	33	0	0	0	0	33
Regular Retirement*	5.00%	0	17	0	0	0	0	17
Civilian Turnover*	15.00%	0	50	0	0	0	0	50
Civs Not Moving (RIFs)*+		0	21	0	0	0	0	21
Civilians Moving (the remainder)		0	212	0	0	0	0	212
Civilian Positions Available		0	121	0	0	0	0	121
CIVILIAN POSITIONS ELIMINATED		0	0	122	0	0	0	122
Early Retirement	10.00%	0	0	12	0	0	0	12
Regular Retirement	5.00%	0	0	6	0	0	0	6
Civilian Turnover	15.00%	0	0	18	0	0	0	18
Civs Not Moving (RIFs)*+		0	0	7	0	0	0	7
Priority Placement#	60.00%	0	0	73	0	0	0	73
Civilians Available to Move		0	0	6	0	0	0	6
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	6	0	0	0	6
CIVILIAN POSITIONS REALIGNING IN		0	333	0	0	0	0	333
Civilians Moving		0	212	0	0	0	0	212
New Civilians Hired		0	121	0	0	0	0	121
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	33	12	0	0	0	45
TOTAL CIVILIAN RIFS		0	21	13	0	0	0	34
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	73	0	0	0	73
TOTAL CIVILIAN NEW HIRES		0	121	0	0	0	0	121

* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

+ The Percentage of Civilians Not Willing to Move (Voluntary RIFs) varies from base to base.

Not all Priority Placements involve a Permanent Change of Station. The rate of PPS placements involving a PCS is 50.00%

TOTAL APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 1/3
Data As Of 17:08 05/30/1995, Report Created 17:08 05/30/1995

Department : Air Force
Option Package : Grand Forks Comm
Scenario File : C:\COBRA\REPORT95\COM-AUDT\GRA13703.CBR
Std Fctrs File : C:\COBRA\REPORT95\RECOMEND\FINAL.SFF

ONE-TIME COSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	16,358	147,225	0	0	0	0	163,583
Fam Housing	0	0	0	0	0	0	0
Land Purch	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIF	0	382	236	0	0	0	618
Civ Retire	0	138	50	0	0	0	189
CIV MOVING							
Per Diem	0	487	0	0	0	0	487
POV Miles	0	41	0	0	0	0	41
Home Purch	0	2,204	0	0	0	0	2,204
HHG	0	1,480	0	0	0	0	1,480
Misc	0	148	0	0	0	0	148
House Hunt	0	440	0	0	0	0	440
PPS	0	0	1,066	0	0	0	1,066
RITA	0	930	0	0	0	0	930
FREIGHT							
Packing	0	616	0	0	0	0	616
Freight	0	1,305	0	0	0	0	1,305
Vehicles	0	990	0	0	0	0	990
Driving	0	346	0	0	0	0	346
Unemployment	0	66	41	0	0	0	106
OTHER							
Program Plan	1,083	812	609	0	0	0	2,505
Shutdown	2,749	2,749	2,832	0	0	0	8,330
New Hire	0	0	0	0	0	0	0
1-Time Move	0	1,700	0	0	0	0	1,700
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	707	0	0	0	0	707
POV Miles	0	609	0	0	0	0	609
HHG	0	8,112	0	0	0	0	8,112
Misc	0	1,587	0	0	0	0	1,587
OTHER							
Elim PCS	0	0	10,154	0	0	0	10,154
OTHER							
HAP / RSE	0	632	363	0	0	0	995
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	2,000	2,000	2,000	0	0	0	6,000
TOTAL ONE-TIME	22,190	175,707	17,352	0	0	0	215,250

TOTAL APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 2/3
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RECURRINGCOSTS -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
RPMA	0	0	406	406	406	406	1,623	406
BOS	0	3,018	3,018	3,018	3,018	3,018	15,091	3,018
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
CHAMPUS	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	10,133	10,133	10,133	10,133	10,133	50,667	10,133
OTHER								
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	13,151	13,557	13,557	13,557	13,557	67,380	13,557
TOTAL COST	22,190	188,859	30,909	13,557	13,557	13,557	282,631	13,557

ONE-TIME SAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	8,500	0	0	0	0	0	8,500
Fam Housing	0	8,957	0	0	0	0	8,957
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	3,559	0	0	0	0	3,559
OTHER							
Land Sales	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	8,500	12,516	0	0	0	0	21,016

RECURRINGSAVES -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	1,701	5,104	8,559	10,312	10,312	10,312	46,301	10,312
O&M								
RPMA	417	1,269	2,179	2,699	2,699	2,699	11,962	2,699
BOS	0	0	11,600	11,600	11,600	11,600	46,401	11,600
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	2,845	5,690	5,690	5,690	19,916	5,690
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	5,271	10,541	10,541	10,541	36,895	10,541
Enl Salary	0	0	28,015	56,029	56,029	56,029	196,103	56,029
House Allow	0	4,368	4,368	4,368	4,368	4,368	21,842	4,368
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	2,118	10,742	62,838	101,241	101,241	101,241	379,421	101,241
TOTAL SAVINGS	10,618	23,258	62,838	101,241	101,241	101,241	400,437	101,241

TOTAL APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 3/3
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ONE-TIME NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total
CONSTRUCTION							
MILCON	7,858	147,225	0	0	0	0	155,083
Fam Housing	0	-8,957	0	0	0	0	-8,957
O&M							
Civ Retir/RIF	0	520	287	0	0	0	807
Civ Moving	0	8,987	1,066	0	0	0	10,053
Other	3,832	5,327	3,482	0	0	0	12,641
MIL PERSONNEL							
Mil Moving	0	7,456	10,154	0	0	0	17,611
OTHER							
HAP / RSE	0	632	363	0	0	0	995
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	2,000	2,000	2,000	0	0	0	6,000
Land	0	0	0	0	0	0	0
TOTAL ONE-TIME	13,690	163,191	17,352	0	0	0	194,234

RECURRING NET -----($K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	-1,701	-5,104	-8,559	-10,312	-10,312	-10,312	-46,301	-10,312
O&M								
RPMA	-417	-1,269	-1,774	-2,293	-2,293	-2,293	-10,340	-2,293
BOS	0	3,018	-8,582	-8,582	-8,582	-8,582	-31,311	-8,582
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	0	-2,845	-5,690	-5,690	-5,690	-19,916	-5,690
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	-33,285	-66,571	-66,571	-66,571	-232,998	-66,571
House Allow	0	5,765	5,765	5,765	5,765	5,765	28,825	5,765
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	-2,118	2,409	-49,281	-87,684	-87,684	-87,684	-312,041	-87,684
TOTAL NET COST	11,572	165,601	-31,928	-87,684	-87,684	-87,684	-117,807	-87,684

PERSONNEL, SF, RPMA, AND BOS DELTAS (COBRA v5.08)
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	Personnel		SF		
Base	Change	%Change	Change	%Change	Chg/Per
BASE X	991	6%	0	0%	0
MACDILL	707	22%	353,550	8%	500
GRAND FORKS	-4,406	-100%	-6,664,000	-100%	1,512
SEYMOUR JOHNSON	902	19%	401,350	8%	445

	RPMA($)			BOS($)		
Base	Change	%Change	Chg/Per	Change	%Change	Chg/Per
BASE X	0	0%	0	849,491	3%	857
MACDILL	195,588	7%	277	1,294,671	11%	1,831
GRAND FORKS	-2,699,000	-100%	612	-11,600,318	-100%	2,633
SEYMOUR JOHNSON	210,084	8%	233	873,966	10%	969

	RPMABOS($)		
Base	Change	%Change	Chg/Per
BASE X	849,491	3%	857
MACDILL	1,490,259	10%	2,108
GRAND FORKS	-14,299,318	-103%	3,245
SEYMOUR JOHNSON	1,084,050	9%	1,202

RPMA/BOS CHANGE REPORT (COBRA v5.08)
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Net Change($K)	1996	1997	1998	1999	2000	2001	Total	Beyond
RPMA Change	-417	-1,269	-1,774	-2,293	-2,293	-2,293	-10,340	-2,293
BOS Change	0	3,018	-8,582	-8,582	-8,582	-8,582	-31,311	-8,582
Housing Change	-1,701	-5,104	-8,559	-10,312	-10,312	-10,312	-46,301	-10,312
TOTAL CHANGES	-2,118	-3,355	-18,915	-21,187	-21,187	-21,187	-87,951	-21,187

INPUT DATA REPORT (COBRA v5.08)
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INPUT SCREEN ONE - GENERAL SCENARIO INFORMATION

Model Year One : FY 1996

Model does Time-Phasing of Construction/Shutdown: No

Base Name	Strategy:
BASE X	Realignment
MACDILL, FL	Realignment
GRAND FORKS, ND	Closes in FY 1998
SEYMOUR JOHNSON, NC	Realignment

Summary:

THIS COBRA RUN WAS REQUESTED BY THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION. IT DOES NOT REFLECT AIR FORCE POSITION
Close Grand Forks AFB.

As with the DoD recommendation to realign Grand Forks AFB, the missile wing savings may not be considered in their entirety as BRAC costs and savings. The inactivation of a missile field has already been programmed in the Air Force budget.

INPUT SCREEN TWO - DISTANCE TABLE

From Base:	To Base:	Distance:
BASE X	GRAND FORKS, ND	1,000 mi
MACDILL, FL	GRAND FORKS, ND	1,868 mi
GRAND FORKS, ND	SEYMOUR JOHNSON, NC	1,590 mi

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from GRAND FORKS, ND to BASE X

	1996	1997	1998	1999	2000	2001
Officer Positions:	0	110	0	0	0	0
Enlisted Positions:	0	587	0	0	0	0
Civilian Positions:	0	294	0	0	0	0
Student Positions:	0	0	0	0	0	0
Missn Eqpt (tons):	0	0	0	0	0	0
Suppt Eqpt (tons):	0	0	0	0	0	0
Military Light Vehicles:	0	0	0	0	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

Transfers from GRAND FORKS, ND to MACDILL, FL

	1996	1997	1998	1999	2000	2001
Officer Positions:	0	109	0	0	0	0
Enlisted Positions:	0	584	0	0	0	0
Civilian Positions:	0	14	0	0	0	0
Student Positions:	0	0	0	0	0	0
Missn Eqpt (tons):	0	1,000	0	0	0	0
Suppt Eqpt (tons):	0	500	0	0	0	0
Military Light Vehicles:	0	233	0	0	0	0
Heavy/Special Vehicles:	0	204	0	0	0	0

Department : Air Force
Option Package : Grand Forks Comm
Scenario File : C:\COBRA\REPORT95\COM-AUDT\GRA13703.CBR
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INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from GRAND FORKS, ND to SEYMOUR JOHNSON, NC

	1996	1997	1998	1999	2000	2001
Officer Positions:	0	163	0	0	0	0
Enlisted Positions:	0	714	0	0	0	0
Civilian Positions:	0	25	0	0	0	0
Student Positions:	0	0	0	0	0	0
Missn Eqpt (tons):	0	1,000	0	0	0	0
Suppt Eqpt (tons):	0	500	0	0	0	0
Military Light Vehicles:	0	233	0	0	0	0
Heavy/Special Vehicles:	0	205	0	0	0	0

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: BASE X

Total Officer Employees:	736	RPMA Non-Payroll ($K/Year):	6,147
Total Enlisted Employees:	3,263	Communications ($K/Year):	3,887
Total Student Employees:	0	BOS Non-Payroll ($K/Year):	21,001
Total Civilian Employees:	11,455	BOS Payroll ($K/Year):	0
Mil Families Living On Base:	54.0%	Family Housing ($K/Year):	6,225
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.00
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	13,709	CHAMPUS Shift to Medicare:	20.9%
Officer VHA ($/Month):	66	Activity Code:	AFX
Enlisted VHA ($/Month):	50		
Per Diem Rate ($/Day):	69	Homeowner Assistance Program:	Yes
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

Name: MACDILL, FL

Total Officer Employees:	516	RPMA Non-Payroll ($K/Year):	2,778
Total Enlisted Employees:	1,911	Communications ($K/Year):	1,198
Total Student Employees:	0	BOS Non-Payroll ($K/Year):	10,408
Total Civilian Employees:	841	BOS Payroll ($K/Year):	0
Mil Families Living On Base:	20.0%	Family Housing ($K/Year):	6,132
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	0.80
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	4,658	CHAMPUS Shift to Medicare:	20.9%
Officer VHA ($/Month):	194	Activity Code:	AF094
Enlisted VHA ($/Month):	137		
Per Diem Rate ($/Day):	83	Homeowner Assistance Program:	No
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

Name: GRAND FORKS, ND

Total Officer Employees:	719	RPMA Non-Payroll ($K/Year):	2,699
Total Enlisted Employees:	3,888	Communications ($K/Year):	907
Total Student Employees:	0	BOS Non-Payroll ($K/Year):	12,768
Total Civilian Employees:	587	BOS Payroll ($K/Year):	0
Mil Families Living On Base:	72.0%	Family Housing ($K/Year):	10,312
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	0.98
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	6,664	CHAMPUS Shift to Medicare:	20.9%
Officer VHA ($/Month):	0	Activity Code:	AF031
Enlisted VHA ($/Month):	0		
Per Diem Rate ($/Day):	72	Homeowner Assistance Program:	Yes
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

(See final page for Explanatory Notes)

Department : Air Force
Option Package : Grand Forks Comm
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INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: SEYMOUR JOHNSON, NC

Total Officer Employees:	455	RPMA Non-Payroll ($K/Year):	2,751
Total Enlisted Employees:	3,625	Communications ($K/Year):	1,006
Total Student Employees:	0	BOS Non-Payroll ($K/Year):	7,691
Total Civilian Employees:	569	BOS Payroll ($K/Year):	0
Mil Families Living On Base:	47.0%	Family Housing ($K/Year):	9,762
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	0.74
Officer Housing Units Avail:	0	CHAMPUS In-Pat ($/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat ($/Visit):	0
Total Base Facilities(KSF):	4,874	CHAMPUS Shift to Medicare:	20.9%
Officer VHA ($/Month):	45	Activity Code:	AF079
Enlisted VHA ($/Month):	59		
Per Diem Rate ($/Day):	66	Homeowner Assistance Program:	Yes
Freight Cost ($/Ton/Mile):	0.07	Unique Activity Information:	No

(See final page for Explanatory Notes)

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: BASE X

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	0	0	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	10%	90%	0%	0%	0%	0%
Shutdown Schedule (%):	100%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0
Facil ShutDown(KSF):	0	Perc Family Housing ShutDown:				0.0%

Name: MACDILL, FL

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	0	0	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	10%	90%	0%	0%	0%	0%
Shutdown Schedule (%):	100%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0
Facil ShutDown(KSF):	0	Perc Family Housing ShutDown:				0.0%

Department : Air Force
Option Package : Grand Forks Comm
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INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: GRAND FORKS, ND

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	2,000	2,000	2,000	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	1,700	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	100%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	33%	33%	34%	0%	0%	0%
MilCon Cost Avoidnc($K):	8,500	0	0	0	0	0
Fam Housing Avoidnc($K):	0	8,957	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0

Facil ShutDown(KSF): 6,664 Perc Family Housing ShutDown: 100.0%

Name: SEYMOUR JOHNSON, NC

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost ($K):	0	0	0	0	0	0
1-Time Unique Save ($K):	0	0	0	0	0	0
1-Time Moving Cost ($K):	0	0	0	0	0	0
1-Time Moving Save ($K):	0	0	0	0	0	0
Env Non-MilCon Reqd($K):	0	0	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misc Recurring Cost($K):	0	0	0	0	0	0
Misc Recurring Save($K):	0	0	0	0	0	0
Land (+Buy/-Sales) ($K):	0	0	0	0	0	0
Construction Schedule(%):	10%	90%	0%	0%	0%	0%
Shutdown Schedule (%):	100%	0%	0%	0%	0%	0%
MilCon Cost Avoidnc($K):	0	0	0	0	0	0
Fam Housing Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0
CHAMPUS In-Patients/Yr:	0	0	0	0	0	0
CHAMPUS Out-Patients/Yr:	0	0	0	0	0	0

Facil ShutDown(KSF): 0 Perc Family Housing ShutDown: 0.0%

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: GRAND FORKS, ND

	1996	1997	1998	1999	2000	2001
Off Force Struc Change:	-68	-68	-67	0	0	0
Enl Force Struc Change:	-167	-119	-167	0	0	0
Civ Force Struc Change:	-6	-120	-6	0	0	0
Stu Force Struc Change:	0	0	0	0	0	0
Off Scenario Change:	0	0	-134	0	0	0
Enl Scenario Change:	0	0	-1,550	0	0	0
Civ Scenario Change:	0	0	-122	0	0	0
Off Change(No Sal Save):	0	0	0	0	0	0
Enl Change(No Sal Save):	0	0	0	0	0	0
Civ Change(No Sal Save):	0	0	0	0	0	0
Caretakers - Military:	0	0	0	0	0	0
Caretakers - Civilian:	0	0	0	0	0	0

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INPUT SCREEN SEVEN - BASE MILITARY CONSTRUCTION INFORMATION

Name: MACDILL, FL

Description	Categ	New MilCon	Rehab MilCon	Total Cost($K)
Pavements	HORIZ	40,000	0	2,030
Maint	OTHER	181,000	0	19,380
POL	OTHER	0	0	21,203
Ops and Traing	OTHER	131,250	0	15,880
Dining	OTHER	6,100	0	1,210
Dorms	BACHQ	35,200	0	5,600
BOS	OTHER	0	0	2,550
P&D	OTHER	0	0	6,190

Name: SEYMOUR JOHNSON, NC

Description	Categ	New MilCon	Rehab MilCon	Total Cost($K)
Pavement	HORIZ	0	0	12,000
Maint	OTHER	261,000	0	29,890
POL	OTHER	0	0	15,470
Ops/Trng	OTHER	112,250	0	14,130
Dining	OTHER	4,500	0	860
Dorms	BACHQ	23,600	0	2,330
BOS	OTHER	0	0	7,470
P&D	OTHER	0	0	7,390

STANDARD FACTORS SCREEN ONE - PERSONNEL

Percent Officers Married:	76.80%	Civ Early Retire Pay Factor:	9.00%
Percent Enlisted Married:	66.90%	Priority Placement Service:	60.00%
Enlisted Housing MilCon:	80.00%	PPS Actions Involving PCS:	50.00%
Officer Salary($/Year):	78,668.00	Civilian PCS Costs ($):	28,800.00
Off BAQ with Dependents($):	7,073.00	Civilian New Hire Cost($):	0.00
Enlisted Salary($/Year):	36,148.00	Nat Median Home Price($):	114,600.00
Enl BAQ with Dependents($):	5,162.00	Home Sale Reimburse Rate:	10.00%
Avg Unemploy Cost($/Week):	174.00	Max Home Sale Reimburs($):	22,385.00
Unemployment Eligibility(Weeks):	18	Home Purch Reimburse Rate:	5.00%
Civilian Salary($/Year):	46,642.00	Max Home Purch Reimburs($):	11,191.00
Civilian Turnover Rate:	15.00%	Civilian Homeowning Rate:	64.00%
Civilian Early Retire Rate:	10.00%	HAP Home Value Reimburse Rate:	22.90%
Civilian Regular Retire Rate:	5.00%	HAP Homeowner Receiving Rate:	5.00%
Civilian RIF Pay Factor:	39.00%	RSE Home Value Reimburse Rate:	0.00%
SF File Desc:	Final Factors	RSE Homeowner Receiving Rate:	0.00%

STANDARD FACTORS SCREEN TWO - FACILITIES

RPMA Building SF Cost Index:	0.93	Rehab vs. New MilCon Cost:	0.00%
BOS Index (RPMA vs population):	0.54	Info Management Account:	0.00%
(Indices are used as exponents)		MilCon Design Rate:	0.00%
Program Management Factor:	10.00%	MilCon SIOH Rate:	0.00%
Caretaker Admin(SF/Care):	162.00	MilCon Contingency Plan Rate:	0.00%
Mothball Cost ($/SF):	1.25	MilCon Site Preparation Rate:	0.00%
Avg Bachelor Quarters(SF):	256.00	Discount Rate for NPV.RPT/ROI:	2.75%
Avg Family Quarters(SF):	1,320.00	Inflation Rate for NPV.RPT/ROI:	0.00%

APPDET.RPT Inflation Rates:
1996: 0.00% 1997: 2.90% 1998: 3.00% 1999: 3.00% 2000: 3.00% 2001: 3.00%

Department : Air Force
Option Package : Grand Forks Comm
Scenario File : C:\COBRA\REPORT95\COM-AUDT\GRA13703.CBR
Std Fctrs File : C:\COBRA\REPORT95\RECOMEND\FINAL.SFF

STANDARD FACTORS SCREEN THREE - TRANSPORTATION

Material/Assigned Person(Lb):	710	Equip Pack & Crate($/Ton):	284.00
HHG Per Off Family (Lb):	14,500.00	Mil Light Vehicle($/Mile):	0.43
HHG Per Enl Family (Lb):	9,000.00	Heavy/Spec Vehicle($/Mile):	1.40
HHG Per Mil Single (Lb):	6,400.00	POV Reimbursement($/Mile):	0.18
HHG Per Civilian (Lb):	18,000.00	Avg Mil Tour Length (Years):	4.10
Total HHG Cost ($/100Lb):	35.00	Routine PCS($/Pers/Tour):	6,437.00
Air Transport ($/Pass Mile):	0.20	One-Time Off PCS Cost($):	9,142.00
Misc Exp ($/Direct Employ):	700.00	One-Time Enl PCS Cost($):	5,761.00

STANDARD FACTORS SCREEN FOUR - MILITARY CONSTRUCTION

Category	UM	$/UM	Category	UM	$/UM
Horizontal	(SY)	0	other	(SF)	0
Waterfront	(LF)	0	Optional Category B	( )	0
Air Operations	(SF)	0	Optional Category C	( )	0
Operational	(SF)	0	Optional Category D	( )	0
Administrative	(SF)	0	Optional Category E	( )	0
School Buildings	(SF)	0	Optional Category F	( )	0
Maintenance Shops	(SF)	0	Optional Category G	( )	0
Bachelor Quarters	(SF)	0	Optional Category H	( )	0
Family Quarters	(EA)	0	Optional Category I	( )	0
Covered Storage	(SF)	0	Optional Category J	( )	0
Dining Facilities	(SF)	0	Optional Category K	( )	0
Recreation Facilities	(SF)	0	Optional Category L	( )	0
Communications Facil	(SF)	0	Optional Category M	( )	0
Shipyard Maintenance	(SF)	0	Optional Category N	( )	0
RDT & E Facilities	(SF)	0	Optional Category O	( )	0
POL Storage	(BL)	0	Optional Category P	( )	0
Ammunition Storage	(SF)	0	Optional Category Q	( )	0
Medical Facilities	(SF)	0	Optional Category R	( )	0
Environmental	( )	0			

EXPLANATORY NOTES (INPUT SCREEN NINE)

4. 1/2/123 added to Grand Forks AFB for tenants

Congress of the United States
Washington, DC 20515

May 4, 1995

Please refer to this number
when responding 950504-20

The Honorable Alan J. Dixon
Chairman
Defense Base Realignment and
Closing Commission
1700 North Morre Street
Suite 1425
Arlington, Virginia 22209

Dear Chairman Dixon:

We are writing to follow-up on a discussion you had yesterday with Senator Baucus concerning the next phase in the BRAC process.

We recognize that you and the Commission are deeply committed to carrying this process forward in the most professional and objective manner possible. We know that the Commission and its staff are engaged in an intense fact-finding process that will soon result in some proposed revisions to the Department of Defense's most recent base closing recommendations.

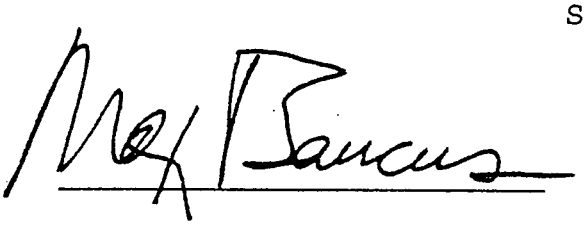
Moreover, as part of your fact-finding, we believe there is an essential piece of information that must be seriously considered and made a part of BRAC's official record. Specifically, we have been advised that there exists a Directorate of Forces (XOFS) Study dated April 20, 1995 that recommends the immediate closure of Grand Forks Air Force Base.

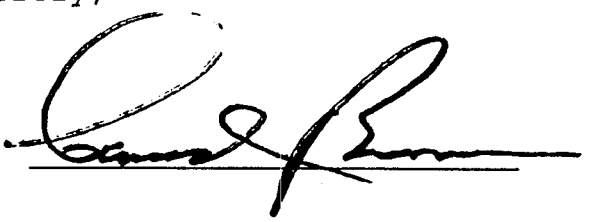
This study represents the unqualified professional judgment of Air Force officials that Grand Forks has long outlived its usefulness to our national security. The study clearly states that the Air Force had wanted to close Grand Forks in Fiscal Year 1994. However, this recommendation was not implemented because of concerns about the Fiscal Year 1995 BRAC process. In addition, we know that Major General Blume halted any action on the study in deference to BRAC.

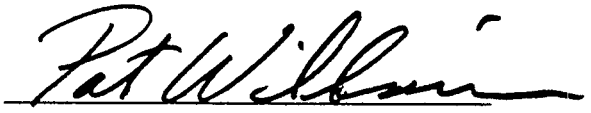
While, for procedural reasons, the Air Force has decided to not move unilaterally to close Grand Forks at this time, we believe BRAC has an obligation to seriously consider the Air Force study and make it a part of the official record. We also ask that you make this letter a part of your official record.

Thank you for your consideration. We wish you the best of luck as you move forward with the many difficult decisions that lie ahead.

Sincerely,







Congress of the United States
Washington, DC 20515

May 5, 1995

130
950508-4

The Honorable Alan J. Dixon
Chairman
The Defense Base Closure and Realignment Commission
Suite 1435
1700 North Moore Street
Arlington, VA 22209

Dear Mr. Chairman:

We write to reiterate our request made at the Commission's hearing in Grand Forks, North Dakota that the Malmstrom and F. E. Warren missile bases be added to the base closure and realignment list. Adding these bases is essential to ensure a fair and comprehensive review of basing options for Minuteman III intercontinental ballistic missiles (ICBMs).

We recognize the challenge in making such tough decisions. All things being equal, we would not advocate shutting down any ICBM bases. At the same time, we believe that the Commission must meet its twin responsibilities of reducing bases and defense costs while preserving essential military forces.

Using the dual mission infrastructure at Minot AFB and Grand Forks AFB is the most logical way to meet this goal. We can save hundreds of millions of dollars by keeping ICBMs at fully capable missile installations where the host bases will retain flying missions anyway: namely, Grand Forks and Minot. In fact, the Air Force has designated Grand Forks as one of three core tanker bases and Minot as one of two remaining B-52 bases. Air Force studies further show that no other base in the country can currently support these missions.

In addition, there is inherent synergy between the two North Dakota bases. The tankers provide refueling support for the bombers. The proximity of the two missile fields has resulted in a sharing of parts and supplies that saves time and money.

As you also know, the Nuclear Posture Review called for a force structure of 450/500 Minuteman IIIs. We can retain 450 Minuteman IIIs without incurring the cost or disruption of moving missiles from either Grand Forks or Minot.

Moreover, either Malmstrom or Warren AFB could be closed even if we decide to retain 500 Minuteman IIIs. Malmstrom could be closed by redesignating Warren's 50 MX silos (which once housed Minutemen) as Minuteman III silos, transferring Malmstrom's Minuteman III missiles to Warren, and reinstalling Minuteman launch facilities there.

When the Air Force reviewed its closure estimates, it determined that closing Malmstrom AFB would save $1.4 billion in net present value. This saving is $1 billion greater than that from realigning missiles from either Minot or Grand Forks. We further understand that closing Malmstrom, which is losing its flying mission, would yield savings of $300 million more than closing an entire North Dakota base.

Similarly, moving the Minuteman III wing from Warren to Malmstrom would allow closure of the former base when its MX missiles are eliminated under the START II Treaty. This move would also yield substantial cost savings, and the Air Force would not lose aircraft infrastructure, since Warren does not have a runway.

Recent testimony by the General Accounting Office (GAO) to the Commission reinforces our position that all four northern ICBM bases should be studied for closure or realignment. As you know, the GAO pointed out weaknesses in the military services' processes for recommending closures or realignments. It concluded:

> In particular, the Air Force's process remained largely subjective and not well documented; also, it was influenced by preliminary estimates of base closure costs that changed when more focused analyses were made.

In closing, given the Air Force's own conclusion that all four ICBM units are fully capable of performing the missile mission, we believe that the economic and operational advantages of dual-mission bases logically require retaining ICBMs and large aircraft at both Grand Forks and Minot Air Force Bases. Minot and Grand Forks simply provide greater military value at a lower cost than other options.

Thank you for your consideration.

Sincerely,

Byron L. Dorgan	Kent Conrad	Earl Pomeroy
U.S. Senator	U.S. Senator	Member of Congress

THE DEPUTY SECRETARY OF DEFENSE
WASHINGTON, D.C. 20301-1000

9 May 1995

The Honorable Alan J. Dixon
Chairman, Defense Base Closure
and Realignment Commission
1700 North Moore Street, Suite 1425
Arlington, VA 22209

Dear Chairman Dixon:

This letter follows up on my testimony before the Commission on March 1, and responds to your letter to me of March 24, concerning the proposed realignment of Grand Forks AFB through inactivation of the 321st Missile Group, and interagency review of associated treaty issues.

As you will recall, our recommendation concerning Grand Forks was made subject to a possible determination by the Secretary relating to Ballistic Missile Defense (BMD) options. Specifically, we recommended that Grand Forks AFB be realigned and the 321st Missile Group inactivated, "unless the Secretary of Defense determines that the need to retain [BMD] options effectively precludes this action." That, in turn, has been the focus of a legal review of treaty issues by representatives of the Department of Defense (including the Office of the Chairman, Joint Chiefs of Staff), the Department of State, the Arms Control and Disarmament Agency, and the National Security Council staff.

I am pleased to report that the interagency review has been completed and that the contingency has been favorably resolved. There will be no determination by the Secretary that would require retention of the missile group at Grand Forks. Realignment of Minot AFB and inactivation of the 91st Missile Group is no longer a necessary alternative. Consequently, our recommendation, as transmitted on February 28, remains that Grand Forks AFB be realigned and the 321st Missile Group inactivated.

I trust that this will enable the Commission to proceed with the formulation of its recommendation to the President.

Sincerely yours,

John Deutch

MAX BAUCUS
MONTANA

WASHINGTON, DC
(202) 224-2651

MONTANA TOLL FREE NUMBER
1-800-332-6105

United States Senate

WASHINGTON, DC 20510-2602

May 9, 1995

Mr. Charlie Smith
Staff Director
Defense Base and Realignment
Commission
1700 North Moore Street, #1425
Arlington, Virginia 22209

950509-21

Dear Charlie:

I appreciate your quick response and telephone call. I understand the Commissioners' concerns. Thanks for the update on their position.

After we talked, I again read Secretary Deutch's letter to Chairman Dixon. Although I understand the Commissioners' concerns, I am puzzled by their conclusion that Secretary Deutch's position may not represent the Government's position. As you can see in the section that I have outlined on the attached copy of the Deputy Secretary's letter, he is forwarding to Chairman Dixon the results of the interagency review of the issue. The review included the Department of Defense, Department of State, the Arms Control and Disarmament Agency, and the National Security Council Staff. It appears to me that this was a comprehensive review and fairly represents the Government's position.

I hope that you will be able to bring this important information to the Commissioners' attention so that their concerns will be adequately addressed.

Again, thank you for your assistance in keeping the Commissioners informed.

With best personal regards, I am

Sincerely,

Max Baucus

MSB/avg
Enclosure

BILLINGS (406) 657-6790 | BOZEMAN (406) 586-8104 | BUTTE (406) 782-3700 | GREAT FALLS (406) 761-1574 | HELENA (406) 449-5480 | KALISPELL (406) 756-1150 | MISSOULA (406) 329-3123

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FARGO
(701) 235-9760

Earl Pomeroy
Congress of the United States
North Dakota

May 12, 1995

Commissioner Rebecca Cox
Defense Base Closure and Realignment Commission
1700 N. Moore Street, Suite 1425
Arlington, VA 22209

Please refer to this number when responding 950516-11

Dear Commissioner Cox:

It is with deep regret that I belatedly offer my thanks for the time you spent reviewing Minot and Grand Forks Air Force Bases on March 30.

I know the base briefings delivered at Minot and Grand Forks made clear that each base figures prominently in future Air Force planning. In addition, the two communities sincerely appreciated the opportunity to share with you their strong support for a continued Air Force presence. I believe everyone involved felt they had a fair opportunity to state their case before the Commission.

It was a real pleasure to meet you. As the Commission's work proceeds, I look forward to speaking with you again.

Sincerely,

EARL POMEROY
Member of Congress

EP:ms

PRINTED ON RECYCLED PAPER

DEPARTMENT OF THE AIR FORCE
OFFICE OF THE CHIEF OF STAFF
UNITED STATES AIR FORCE
WASHINGTON DC 20330

HQ USAF/CC
1610 Air Force Pentagon
Washington DC 20330-1660

17 MAY 1995

Defense Base Closure and Realignment Commission
1700 N. Moore St, Suite 1425
Arlington VA 22209

Dear Chairman Dixon

I am writing to express my deep concern over the DBCR Commission's decision to consider Grand Forks Air Force Base for realignment or closure actions beyond those recommended by the Department of Defense. Two years ago we rebased our KC-135 fleet to form three core air refueling wings at Grand Forks, Fairchild, and McConnell AFBs. We took this action to achieve the organizational, operational and fiscal efficiencies of a properly sized organization with a clearly defined mission at each of these bases.

This reorganization was the right way to go in the long run for our tanker force but required that we relocate approximately 65% of the active duty KC-135 aircrew and support personnel to one of the three core refueling bases. During this same time, Air Force tanker and other mobility forces have supported numerous contingency and humanitarian efforts in countries such as Somalia, Haiti, Rwanda, and Iraq. The cost to our people from this high operations tempo when combined with the reorganization of our forces has been an increase in turbulence in their lives. We are just beginning to capture a measure of stability for them and are seeing the benefits in terms of greater operational efficiencies and higher morale. In my judgment, scattering Grand Forks' force structure throughout a number of new smaller units and locations dilutes our ability to efficiently accomplish the air refueling missions which are critical to support the national strategies of strategic deterrence and crisis response and creates additional turbulence in the lives of many of our personnel.

Specifically, Grand Forks AFB has the airspace, infrastructure, and location the Air Force requires for a core tanker wing. Grand Forks' north central location is ideally suited to support our nation's nuclear deterrent posture and rapid response to mobility contingency operations. Grand Forks is also located close to most northern air refueling tracks providing quality training airspace free from encroachment and interference from commercial air traffic. In addition to these excellent characteristics, Grand Forks has some of the best infrastructure in AMC, with both the ramp and hydrant system required to support a large tanker fleet. Finally, the tanker force has undergone an inordinate amount of turmoil over the past five years with previous

BRAC actions having closed 12 tanker bases. Stability is essential to maintaining our readiness posture.

Our three core air refueling wings now realize economies of scale in operations, logistics, and organization. In operations, for example, a larger wing can support a long-term contingency on its own through Integrated Tanker Unit Deployments (ITUD). Smaller units would have to combine resources and cross normal lines of unit command to accomplish the same mission. In the area of logistics, our core air refueling wings avoid duplication in equipment, supply, manpower and overhead and efficiently use in-place infrastructure to provide support to a large number of aircraft at these three bases. From an organizational perspective, the fewer locations we operate from, the less overhead manning, units and facilities we need to support that operation. Closing Grand Forks would reduce or eliminate many of these benefits.

I cannot overstate my support for retention of a core air refueling wing at Grand Forks Air Force Base. I believe it is essential to our nation's ability to respond in a timely manner to challenges across the entire spectrum of conflict. I ask your consideration of the benefits we are now receiving from our core refueling wings as you make the recommendations which will affect the basing structure of all the Armed Services for many years to come. I trust my thoughts will be helpful to you in that process.

RONALD R. FOGLEMAN
General, USAF
Chief of Staff

Congress of the United States
Washington, DC 20515

May 24, 1995

The Honorable Alan Dixon
Chairman
Defense Base Closure and Realignment Commission
1700 N. Moore St. Suite 1425
Arlington, VA 22209

950601-27

Dear Chairman Dixon:

Recently, you received a letter from General Ronald Fogleman, Air Force Chief of Staff, stating his strong opposition to the proposed closure of Grand Force Air Force Base. We write to highlight several of the points made by General Fogleman.

First, the Air Force has determined that our national security interests require a "core tanker" basing concept that concentrates a large number of tankers at a few bases. The Air Force is committed to this concept because it improves the performance of our forces. Centralizing a large part of our tanker assets improves the readiness, planning, and coordination of the force, and it also improves tasking response time. In addition, core units train together and deploy together, yielding greater unit performance, morale, and cohesion. General Fogleman noted that breaking up a core tanker base will directly reduce the Air Force's ability to carry out its missions.

Second, Grand Forks is the right base for a core tanker wing. It has the capacity and infrastructure (including a new runway and a new fuel hydrant system) to support 4 or more squadrons of tankers. And, it is strategically located to be able to deploy to either coast, train with B-52 and B-1 bombers, and support the nuclear single integrated operations plan (SIOP). No other base is as well-suited to host a core tanker wing.

Furthermore, keeping a core tanker wing at Grand Forks saves operational dollars by creating economies of scale and shared overhead. Consolidation means less duplication and better utilization of infrastructure. From an operations and logistics perspective, dispersing Grand Forks' tankers to a number of bases will cost, not save, money.

Finally, moving tankers from Grand Forks would impact mission performance and impose additional burdens on stressed Air Force personnel. Almost the entire active duty tanker force was relocated over the past two years. At the same time, tankers have had some of the highest operations tempo of any weapon system in the Air Force. The combination of these factors has significantly stressed our tanker personnel. Any move to again realign tankers would erode morale and our forces' ability to

effectively respond to contingencies.

We hope you will closely consider General Fogleman's letter. We also believe you will be interested in the attached letter from the Air Force that addresses a recent allegation that the Air Force had a "secret" study supporting closure of Grand Forks. As you can see, that allegation is false.

Thank you for your consideration.

Sincerely,

EARL POMEROY
Member of Congress

BYRON DORGAN
U.S. Senate

KENT CONRAD
U.S. Senate

Enclosure

DEPARTMENT OF THE AIR FORCE
OFFICE OF THE CHIEF OF STAFF
UNITED STATES AIR FORCE
WASHINGTON DC 20330

HQ USAF/CC
1610 Air Force Pentagon
Washington DC 20330-1660

17 MAY 1995

Defense Base Closure and Realignment Commission
1700 N. Moore St, Suite 1425
Arlington VA 22209

Dear Chairman Dixon

I am writing to express my deep concern over the DBCR Commission's decision to consider Grand Forks Air Force Base for realignment or closure actions beyond those recommended by the Department of Defense. Two years ago we rebased our KC-135 fleet to form three core air refueling wings at Grand Forks, Fairchild, and McConnell AFBs. We took this action to achieve the organizational, operational and fiscal efficiencies of a properly sized organization with a clearly defined mission at each of these bases.

This reorganization was the right way to go in the long run for our tanker force but required that we relocate approximately 65% of the active duty KC-135 aircrew and support personnel to one of the three core refueling bases. During this same time, Air Force tanker and other mobility forces have supported numerous contingency and humanitarian efforts in countries such as Somalia, Haiti, Rwanda, and Iraq. The cost to our people from this high operations tempo when combined with the reorganization of our forces has been an increase in turbulence in their lives. We are just beginning to capture a measure of stability for them and are seeing the benefits in terms of greater operational efficiencies and higher morale. In my judgment, scattering Grand Forks' force structure throughout a number of new smaller units and locations dilutes our ability to efficiently accomplish the air refueling missions which are critical to support the national strategies of strategic deterrence and crisis response and creates additional turbulence in the lives of many of our personnel.

Specifically, Grand Forks AFB has the airspace, infrastructure, and location the Air Force requires for a core tanker wing. Grand Forks' north central location is ideally suited to support our nation's nuclear deterrent posture and rapid response to mobility contingency operations. Grand Forks is also located close to most northern air refueling tracks providing quality training airspace free from encroachment and interference from commercial air traffic. In addition to these excellent characteristics, Grand Forks has some of the best infrastructure in AMC, with both the ramp and hydrant system required to support a large tanker fleet. Finally, the tanker force has undergone an inordinate amount of turmoil over the past five years with previous

BRAC actions having closed 12 tanker bases. Stability is essential to maintaining our readiness posture.

Our three core air refueling wings now realize economies of scale in operations, logistics, and organization. In operations, for example, a larger wing can support a long-term contingency on its own through Integrated Tanker Unit Deployments (ITUD). Smaller units would have to combine resources and cross normal lines of unit command to accomplish the same mission. In the area of logistics, our core air refueling wings avoid duplication in equipment, supply, manpower and overhead and efficiently use in-place infrastructure to provide support to a large number of aircraft at these three bases. From an organizational perspective, the fewer locations we operate from, the less overhead manning, units and facilities we need to support that operation. Closing Grand Forks would reduce or eliminate many of these benefits.

I cannot overstate my support for retention of a core air refueling wing at Grand Forks Air Force Base. I believe it is essential to our nation's ability to respond in a timely manner to challenges across the entire spectrum of conflict. I ask your consideration of the benefits we are now receiving from our core refueling wings as you make the recommendations which will affect the basing structure of all the Armed Services for many years to come. I trust my thoughts will be helpful to you in that process.

RONALD R. FOGLEMAN
General, USAF
Chief of Staff

DEPARTMENT OF THE AIR FORCE
WASHINGTON DC 20330-1000

OFFICE OF THE SECRETARY

May 24, 1995

SAF/LLP
1160 Air Force Pentagon
Washington, DC 20330-1160

The Honorable Kent Conrad
United States Senate
Washington, DC 20510

Dear Senator Conrad

This is in response to your request of May 17, 1995, for the Air Force to comment on a May 4, 1995, joint letter from Senator Baucus, Senator Burns and Representative Williams to the Honorable Alan J. Dixon, Chairman of the Defense Base Closure and Realignment Commission. This letter was written regarding the status of Grand Forks Air Force Base (AFB), North Dakota, in the BRAC 95 process.

The subject letter asserts that the Air Force conducted a study that recommended the immediate closure of Grand Forks AFB. There was no such recommendation. Rather, the Department of Defense's BRAC 95 recommendation to inactivate a missile group had the potential to delay a final decision until December 1996. Because this delay may have required an extension of missile operations beyond those currently programmed, the Air Force engaged in an assessment of options to assess the budget impact of that extension. This internal Air Force assessment, confined only to the inactivation of a missile group, may have been the catalyst for the Montana Congressional Delegation's May 4 letter to Chairman Dixon.

As you are aware, on May 9, the Deputy Secretary of Defense advised Chairman Dixon by letter that an interagency review favorably resolved the contingency associated with the Grand Forks realignment recommendation. This resolution ameliorated any concerns on budgetary impact from the potential delay associated with the recommendation to inactivate the 321st Missile Group. In addition, the Air Force firmly believes that retention of the core tanker force at the Grand Forks AFB airfield is operationally vital. Senior Air Force officials will continue to articulate this position to the Commission. In fact, the Air Force Chief of Staff addressed this issue in the attached May 17, 1995, letter to Chairman Dixon.

We trust this information is useful and appreciate your continued support of Grand Forks AFB.

Sincerely

SCOTT B. McLAUTHLIN
Colonel, USAF
Deputy Chief, Programs and
Legislation Division
Office of Legislative Liaison

Attachment

ECONOMIC SECURITY

ASSISTANT SECRETARY OF DEFENSE
3300 DEFENSE PENTAGON
WASHINGTON, DC 20301-3300

May 25, 1995

Honorable Alan J. Dixon
Chairman, Defense Base Closure
and Realignment Commission
1700 N. Moore St., Suite 1425
Arlington, VA 22209

Dear Chairman Dixon:

I want to underscore the Department's steadfast support of its recommendation to realign Grand Forks Air Force Base (AFB), North Dakota, by inactivating the 321st Missile Group, but retaining the flying mission. We are gravely concerned that the Commission might modify our recommendation by closing the entire base and relocating its aircraft assets.

Our recommendation to realign Grand Forks AFB is militarily and fiscally sound. It was developed through an analysis process which complied with law and, we believe, was reasonable and fair. The recommendation considers organizational and operational efficiencies and will generate substantial savings for the DoD and the tax payers. Refined estimates have increased initial costs and savings from this recommendation, i.e., $17.5 million (vs. $11.9 million) in closure costs and $494 million (vs. $447 million) in savings expressed as the net present value of costs and savings over 20 years. Although complete closure may appear attractive from a strict savings perspective, it does not take account of the preeminent military factors considered by the Department in its realignment recommendation.

The Department's position to realign Grand Forks AFB has not wavered. Former Deputy Secretary Deutch reaffirmed our recommendation in his May 9, 1995, letter to you following favorable completion of the interagency review which cleared the way for inactivation of the Grand Forks missile group.

General Ronald Fogelman's letter to you of May 17, 1995, clearly describes the operational considerations of location, economy of operation, and personnel impact that underlay the determination that the Air Force's air refueling forces should be centrally based at a few, geographically dispersed locations. I believe that these factors, coupled with the judgment of the Chief of Staff who formerly commanded Air Mobility Command, ought to be persuasive in the question of retaining the air refueling mission at Grand Forks Air Force Base.

I trust that this will help the Commission to progress in developing its recommendation to the President.

Sincerely,

Josh Gotbaum

Joshua Gotbaum

DEPARTMENT OF DEFENSE
UNITED STATES STRATEGIC COMMAND

30 May 1995

The Honorable Alan J. Dixon
Chairman, Defense Base Closure and Realignment Commission
1700 N. Moore St, Suite 1425
Arlington VA 22209

Dear Chairman Dixon

I am writing to express my concern over the Defense Base Closure and Realignment Commission's decision to consider Grand Forks Air Force Base for closure.

The core refueling wing at Grand Forks AFB provides critical support to strategic and contingency operations. Grand Forks' infrastructure can sustain a large tanker fleet and provides important operational flexibility to our strategic air refueling assets in support of global missions. Its north-central location is important in reinforcing our nation's strategic deterrent posture. Grand Forks is also located close to most northern air refueling tracks, which provide quality training airspace free from encroachment and interference from commercial air traffic. Moreover, the tanker force has experienced unprecedented change since the end of the Cold War, with a substantial number of tanker bases already closed. Over time, such turmoil can jeopardize the readiness of our forces.

United States Strategic Command views retention of a core refueling wing at Grand Forks AFB an important element in support of our nation's strategic deterrent capability. I appreciate your strongest consideration as you face the challenging decisions which will shape our forces' future basing structure.

Sincerely,

H.G. CHILES, JR.
Admiral, U.S. Navy
Commander in Chief

ASSISTANT SECRETARY OF DEFENSE

3300 DEFENSE PENTAGON
WASHINGTON DC 20301-3300

ECONOMIC SECURITY

08 JUN 1995

Honorable Alan J. Dixon
Chairman, Defense Base Closure
and Realignment Commission
1700 N. Moore St., Suite 1425
Arlington, VA 22209

Dear Chairman Dixon:

I appreciate the opportunity to respond to your letter concerning the Department's recommendation to realign Grand Forks Air Force Base (AFB), North Dakota, by inactivating its missile group.

The Department's response to the questions posed by the Commission is enclosed. I trust this information is helpful.

Sincerely,

for Joshua Gotbaum

Enclosure

DoD Response to Questions

by the

Defense Base Closure and Realignment Commission

on the

Recommended Realignment of Grand Forks AFB

Question 1. Under the Department's recommendation, will any ICBMs or silos remain in place after inactivation of the 321st Missile group?

Response. All ICBMs will be removed from the silos. As for the silos themselves, as stated in our recommendation, a small number may be retained if required. The Department has not yet determined whether retention of a small number of silos will be required. Further resolution of this issue will not likely be necessary until the time comes to eliminate the silos.

Question 2. If the 321st Missile Group is inactivated and all ICBMs are removed from Grand Forks Air Force Base, does Grand Forks Air Force Base remain an ABM site under the terms of the ABM Treaty?

Response. We have determined that inactivation of the 321st Missile Group and removal of the ICBMs would not affect our right to retain an ABM system deployment area at Grand Forks.

Question 3. If the 321st Missile Group is inactivated, will it be necessary to demolish or relocate any of the Grand Forks ABM facilities?

Response. As indicated in the response to the preceding question, inactivation of the 321st Missile Group would not affect our right to an ABM system deployment area at Grand Forks. As a result, it would not be necessary as a result of inactivation of the missile group to demolish or relocate any of the Grand Forks ABM facilities.

Question 4. Are there any ABM-related costs associated with the recommendation to inactivate the 321st Missile Group? If so, what are these costs, and will they be considered as part of inactivation?

Response. No ABM-related costs are included in the recommendation.

Enclosure

UNITED STATES TRANSPORTATION COMMAND
508 SCOTT DR
SCOTT AIR FORCE BASE IL 62225-5357

9 June 1995

The Honorable Alan J. Dixon
Chairman
Defense Base Closure and Realignment Commission
1700 North Moore Street, Suite 1425
Arlington, Virginia 22209

Dear Mr. Chairman

United States Transportation Command (USTRANSCOM) is concerned with the Defense Base Closure and Realignment Commission's addition of Grand Forks Air Force Base (AFB) to the list of installations for possible closure or realignment.

Grand Forks AFB, with its strategic central location and extensive infrastructure, is ideally suited to support the Single Integrated Operational Plan (SIOP), force deployments to Europe, Southwest Asia, and the Pacific area. The wisdom of establishing a refueling wing at Grand Forks was validated during recent high priority operations including VIGILANT WARRIOR in Iraq and SUPPORT HOPE in Rwanda. This proven operational capability supports the retention of this strategically located base.

USTRANSCOM's airborne tanker force supports deployment, employment, and redeployment of U.S. forces worldwide. The KC-135 portion of the tanker force is located at three "core" air refueling bases: Fairchild AFB, WA; McConnell AFB, KS; and Grand Forks AFB, ND. This "core" base concept allows us to consolidate our infrastructure and leverage our assets to best support the warfighting Commanders in Chief. To close one of these "core" bases and distribute the KC-135s to smaller, less efficient "force packages" will create unnecessary personnel turbulence in current organizations, require force structure adjustments, and impair our ability to effectively execute assigned national mobility missions.

Request you carefully weigh the negative aspects of closing Grand Forks AFB with the attendant disruption of the "core" air refueling base concept and decreased air mobility efficiency. The "core" air refueling wings offer the best organizational structure for meeting the rigorous demands placed on this force. Retaining the KC-135s at Grand Forks provides stability for our people and enhances our ability to carry out strategic mobility missions in support of national strategic objectives.

ROBERT L. RUTHERFORD
General, USAF
Commander in Chief

VICE CHAIRMAN OF THE JOINT CHIEFS OF STAFF
WASHINGTON, D. C. 20318-0001

15 June 1995

Dear Chairman Dixon,

As the Chairman of the Joint Requirements Oversight Council (the Goldwater-Nichols originated, highest level military organization for requirements development), I am writing to express my strongest support for the recommendation by the Department of Defense to retain a core air refueling wing at Grand Forks Air Force Base, North Dakota.

DOD's recommendation is based on a thorough analysis of operational and fiscal considerations and is strongly supported by the Air Force and U. S. Strategic Command.

Grand Forks AFB is ideally located and equipped to provide air refueling support for both strategic and worldwide contingency operations. The refueling wing at Grand Forks is critical for our strategic deterrent capability, and enables our nation to provide timely response to challenges across the conflict spectrum in the most cost-effective way possible.

I ask that you give careful consideration to the benefits of retaining the wing at Grand Forks as the Commission develops its recommendations. Its loss would be significant for our military operations.

Sincerely,

W. A. OWENS
Admiral, U.S. Navy

The Honorable Alan J. Dixon
Chairman, Defense Base Closure
and Realignment Commission
1700 N. Moore St, Suite 1425
Arlington, VA 22209

Grand Forks AFB

Defense Base Closure and Realignment Commission
Executive Correspondence Tracking System (ECTS)

9[redacted]1 (I, O)
Originated: 12/09/94 Received: 12/12/94 Referred to: LIAISON Due: / / Closed: 12/29/94 NONE REQ.
From: ROWNY, EDWARD L. (AMBASSADOR at INT'L NEGOT. CONSULT, INC).
To: FOGLEMAN, RONALD R. (CHIEF OF STAFF (GENERAL) at U.S. AIR FORCE).
Installation(s): GRAND FORKS AFB, ND (F-JFSD).
Contents: IN SUPPORT OF GRAND FORKS MILITARY FACILITIES IN NORTH DAKOTA; THREE HARMFUL EFFECTS OF CLOSING GRAND FORKS, ABM.

950208-5 (I, O)
Originated: 02/02/95 Received: 02/07/95 Referred to: LIAISON Due: 02/14/95 Closed: 02/09/95 COMPLETE.
From: ROWNY, EDWARD L. (AMBASSADOR at INT'L NEGOT. CONSULT, INC).
To: DIXON, ALAN (CHAIRMAN at DBCRC).
Installation(s): GRAND FORKS AFB, ND (F-JFSD).
Contents: RECOMMENDATION THAT AFB NOT BE CLOSED; HIS TESTIMONY FROM JAN 24 SASC HEARING INCLUDED.

950208-5R1 (O, R)
Originated: 02/09/95 Received: / / Referred to: Due: / / Closed: 02/09/95 COMPLETE.
From: DIXON, ALAN (CHAIRMAN at DBCRC).
To: ROWNY, EDWARD L. (AMBASSADOR at INT'L NEGOT. CONSULT, INC).
Installation(s): GRAND FORKS AFB, ND (F-JFSD).
Contents: RESPONSE TO SUPPORT LETTER CONCERNING MILITARY FACILITIES IN GRAND FORKS, ND.

950324-16 (O, O)
Originated: 03/24/95 Received: / / Referred to: Due: / / Closed: 03/24/95 COMPLETE.
From: DIXON, ALAN (CHAIRMAN at DBCRC).
To: DEUTCH, JOHN (UNDER SECRETARY DEFENSE at DEPARTMENT OF DEFENSE DOD).
I[redacted]ation(s): GRAND FORKS AFB, ND (F-JFSD).
C[redacted]s: REQUESTING THE SECDEF TO COMPLETE THE INTERAGENCY REVIEW OF THE ISSUES SURROUNDING THE PROPOSED DEACTIVATION OF THE 321ST MISSILE GROUP BY EARLY JUNE.

950324-16R1 (I, R)
Originated: 05/09/95 Received: 05/09/95 Referred to: Due: / / Closed: 05/09/95 COMPLETE.
From: DEUTCH, JOHN (UNDER SECRETARY DEFENSE at DEPARTMENT OF DEFENSE DOD).
To: DIXON, ALAN (CHAIRMAN at DBCRC).
Installation(s): MINOT AFB, ND (F-QJVF), and GRAND FORKS AFB,ND (F-JFSD).
Contents: INFORMING THAT THERE WILL NOT BE A DETERMINATION BY SECDEF THAT WOULD REQUIRE RETENTION OF THE MISSILE GROUP AT GRAN FORKS BECAUSE OF TREATY OBLIGATIONS.

950407-10 (I, O)
Originated: 04/04/95 Received: 04/07/95 Referred to: Due: / / Closed: 04/07/95 NONE REQ.
From: CONRAD, KENT (SEN. (ND) at U.S. SENATE).
To: COX, REBECCA (COMMISSIONER at DBCRC) and KLING, S. LEE (COMMISSIONER at DBCRC).
Installation(s): GRAND FORKS AFB, ND (F-JFSD), and MINOT AFB,ND (F-QJVF).
Contents: THANK YOU FOR VISITING BASES, LETTER OF SUPPORT.

950410-12 (I, O)
Originated: 04/06/95 Received: 04/10/95 Referred to: LIAISON Due: / / Closed: 04/14/95 COMPLETE.
From: GUSTAFSON, BOB (PRESIDENT at GRAND FORKS CHAMBER).
To: GOODE, CHRIS (DIRECTOR OF ADMINISTRATIO at DBCRC).
Installation(s): GRAND FORKS AFB, ND (F-JFSD).
Contents: FORWARDING GRAND FORKS PRESENTATION BINDERS AND A VIDEO TAPE " GREATER GRAND FORKS ; A PLACE TO CALL HOME ". COPIES IN LIBRARY

NOTE: 28 Records Selected by ACKERMAN, Criteria: .

Defense Base Closure and Realignment Commission
Executive Correspondence Tracking System (ECTS)

9[redacted]7 (O, O)
Originated: 04/06/95 Received: / / Referred to: Due: / / Closed: 04/11/95 NONE REQ.
From: DAVIS, GEN J.B. (COMMISSIONER at DBCRC).
To: ANDREWS, JAMES E. (COMMANDER (BRIG GEN) at 319TH AIR REFUELING WING).
Installation(s): GRAND FORKS AFB, ND (F-JFSD).
Contents: THANK YOU FOR ASSISTANCE DURING VISIT.

950412-9 (I, O)
Originated: 04/04/95 Received: 04/12/95 Referred to: Due: / / Closed: 04/12/95 NONE REQ.
From: CONRAD, KENT (SEN. (ND) at U.S. SENATE).
To: DAVIS, GEN J.B. (COMMISSIONER at DBCRC).
Installation(s): MINOT AFB, ND (F-QJVF), and GRAND FORKS AFB,ND (F-JFSD).
Contents: THANK YOU FOR VISITING BASES. LETTER OF SUPPORT.

950424-22 (I, O)
Originated: 04/18/95 Received: 04/24/95 Referred to: Due: / / Closed: 04/24/95 NONE REQ.
From: COLLIN, RICK (COMMUNICATIONS DIRECTOR at GOVERNOR'S OFFICE N.D.).
To: GOODE, CHRIS (DIRECTOR OF ADMINISTRATIO at DBCRC).
Installation(s): MINOT AFB, ND (F-QJVF), and GRAND FORKS AFB,ND (F-JFSD).
Contents: FORWARDING TESTIMONY OF GOV EDWARD T. SCHAFER AT GRAND FORKS REGIONAL HEARING.

950504-20 (I, O)
Originated: 05/04/95 Received: 05/04/95 Referred to: LIAISON Due: / / Closed: 05/22/95 COMPLETE.
From: BAUCUS, MAX (SENATOR (MON) at U.S. CONGRESS), and BURNS, CONRAD (SENATOR (MON) at U.S. CONGRESS).
To: DIXON, ALAN (CHAIRMAN at DBCRC).
I[redacted]tion(s): GRAND FORKS AFB, ND (F-JFSD).
Co[redacted]s: STATING THEY WERE ADVISED THAT THERE IS A DIRECTORATE OF FORCES STUDY THAT RECOMMENDS CLOSING GRAND FORKS AFB.

950509-21 (I, O)
Originated: 05/09/95 Received: 05/09/95 Referred to: LIAISON Due: / / Closed: 05/22/95 COMPLETE.
From: BAUCUS, MAX (SENATOR (MON) at U.S. CONGRESS).
To: DIXON, ALAN (CHAIRMAN at DBCRC).
Installation(s): GRAND FORKS AFB, ND (F-JFSD).
Contents: STATING HE BELIEVES MR DEUTCH 'S POSITION ON GRAND FORKS REFLECTS THE GOVERNMENT'S POSITION.

950509-27 (I, O)
Originated: 05/09/95 Received: 05/09/95 Referred to: LIAISON Due: / / Closed: 05/16/95 COMPLETE.
From: GAFFNEY, FRANK (at).
To: DIXON, ALAN (CHAIRMAN at DBCRC).
Installation(s): GRAND FORKS AFB, ND (F-JFSD).
Contents: LETTER SUPPORTING THE DOD'S RECOMMENDATION TO REALIGN BASE.

950516-11 (I, O)
Originated: 05/12/95 Received: 05/16/95 Referred to: Due: / / Closed: 05/16/95 NONE REQ.
From: POMEROY, EARL (REP. (ND) at U.S. CONGRESS).
To: COX, REBECCA (COMMISSIONER at DBCRC).
Installation(s): GRAND FORKS AFB, ND (F-JFSD), and MINOT AFB,ND (F-QJVF).
Contents: THANK YOU FOR VISITING BASES.

[redacted]

NOTE: 28 Records Selected by ACKERMAN, Criteria: .

Defense Base Closure and Realignment Commission
Executive Correspondence Tracking System (ECTS)

9[illegible]1 (O, O)
Originated: 05/16/95 Received: / / Referred to: Due: / / Closed: 05/17/95 COMPLETE.
From: CIRILLO, FRANK (AIR FORCE TEAM LEADER at 1993 DBCRC).
To: BLUME, JAY (SPECIAL ASST TO SEC OF AF at HEADQUARTERS USA/RT).
Installation(s): GRAND FORKS AFB, ND (F-JFSD).
Contents: REQUESTING COBRA RUN INCORPORTATING NEW SCENARIOS FOR THE CLOSURE OF GRAND FORKS AFB.

950518-7 (I, O)
Originated: 05/17/95 Received: 05/18/95 Referred to: Due: / / Closed: 05/18/95 NONE REQ.
From: FOGLEMAN, RONALD R. (CHIEF OF STAFF (GENERAL) at U.S. AIR FORCE).
To: DIXON, ALAN (CHAIRMAN at DBCRC).
Installation(s): GRAND FORKS AFB, ND (F-JFSD).
Contents: EXPRESSING CONCERN THAT GRAND FORKS HAS BEEN ADDED TO THE LIST OF BASES BEING CONSIDERED FOR CLOSURE.

950526-17 (I, O)
Originated: 05/24/95 Received: 05/26/95 Referred to: LIAISON Due: / / Closed: 06/05/95 COMPLETE.
From: POMEROY, EARL (REP. (ND) at U.S. CONGRESS), and DORGAN, BYRON (SENATOR (ND) at U.S. CONGRESS).
To: DIXON, ALAN (CHAIRMAN at DBCRC).
Installation(s): GRAND FORKS AFB, ND (F-JFSD).
Contents: HIGHLIGHTING SEVERAL POINTS MADE IN 17 MAY FOGLEMAN LETTER; REQUEST THE COMMISSION CLOSELY CONSIDER THE LETTER. ATTACHMENT.

950530-10 (I, O)
Originated: 05/25/95 Received: 05/30/95 Referred to: UNKNOWN Due: / / Closed: 05/30/95 NONE REQ.
From: GOTBAUM, JOSHUA (ASST SECDEF - ECON SECUR. at DEPARTMENT OF DEFENSE).
T[illegible]XON, ALAN (CHAIRMAN at DBCRC).
In[illegible]ation(s): GRAND FORKS AFB, ND (F-JFSD).
Contents: STATING DOD STILL SUPPORTS THEIR RECOMMENDATION TO REALIGN GRAND FORKS AFB.

950531-5 (I, O)
Originated: 05/30/95 Received: 05/30/95 Referred to: LIAISON Due: / / Closed: 06/05/95 COMPLETE.
From: CONRAD, KENT (SEN. (ND) at U.S. SENATE).
To: DIXON, ALAN (CHAIRMAN at DBCRC).
Installation(s): GRAND FORKS AFB, ND (F-JFSD).
Contents: FORWARDING LETTERS FROM DOD, AIR FORCE AND U.S. STRATEGIC COMMAND THAT SUPPORT KEEPING THE BASE OPEN.

950601-4 (O, O)
Originated: 05/30/95 Received: / / Referred to: Due: / / Closed: 06/01/95 COMPLETE.
From: DIXON, ALAN (CHAIRMAN at DBCRC).
To: GOTBAUM, JOSHUA (ASST SECDEF - ECON SECUR. at DEPARTMENT OF DEFENSE).
Installation(s): GRAND FORKS AFB, ND (F-JFSD).
Contents: FOLLOW UP QUESTIONS TO MAY 9 LETTER INFORMING SECDEF WILL NOT DETERMINE THAT THE MISSILE GROUP MUST BE RETAINED AT GRAND FORKS.

950601-4R1 (I, R)
Originated: 06/08/95 Received: 06/14/95 Referred to: Due: / / Closed: 06/14/95 COMPLETE.
From: GOTBAUM, JOSHUA (ASST SECDEF - ECON SECUR. at DEPARTMENT OF DEFENSE).
To: DIXON, ALAN (CHAIRMAN at DBCRC).
Installation(s): GRAND FORKS AFB, ND (F-JFSD).
Contents: RESPONSE TO QUESTIONS REGARDING GRAND FORKS

[illegible]

NOTE: 28 Records Selected by ACKERMAN, Criteria: .

Defense Base Closure and Realignment Commission
Executive Correspondence Tracking System (ECTS)

95[redacted]19 (I, O)
Originated: 06/07/95 Received: 06/07/95 Referred to: Due: / / Closed: 06/07/95 NONE REQ.
From: CONRAD, KENT (SEN. (ND) at U.S. SENATE).
To: GENERAL, (at DBCRC).
Installation(s): GRAND FORKS AFB, ND (F-JFSD).
Contents: FORWARDING A WHITE PAPER ON UNITED STATES AIR FORCE CORE TANKER WINGS

950609-9 (I, O)
Originated: 06/09/95 Received: 06/09/95 Referred to: LIAISON Due: 06/12/95 Closed: 06/16/95 COMPLETE.
From: RUTHERFORD, ROBERT L. (COMMANDER IN CHIEF at USAF).
To: DIXON, ALAN (CHAIRMAN at DBCRC).
Installation(s): GRAND FORKS AFB, ND (F-JFSD).
Contents: USTRANSCOM IS CONCERNED WITH DBCRC ADDITION OF GRAND FORK AFB TO THE ADD'S LIST.

950612-29 (I, O)
Originated: 06/05/95 Received: 06/12/95 Referred to: Due: / / Closed: 06/12/95 NONE REQ.
From: CONRAD, KENT (SEN. (ND) at U.S. SENATE).
To: DIXON, ALAN (CHAIRMAN at DBCRC).
Installation(s): GRAND FORKS AFB, ND (F-JFSD).
Contents: THANK YOU FOR VISITING BASE

950612-5 (I, O)
Originated: 06/09/95 Received: 06/12/95 Referred to: LIAISON Due: 06/14/95 Closed: 06/19/95 COMPLETE.
From: DORGAN, BYRON (SENATOR (ND) at U.S. CONGRESS).
To: DIXON, ALAN (CHAIRMAN at DBCRC).
Installation(s): GRAND FORKS AFB, ND (F-JFSD).
Contents: FORWARDING COPY OF "A WHITE PAPER ON USAF CORE TANKER WINGS" AND A LETTER FROM THE COMMANDER IN CHIEF OF US TRANSPORTATION COMMAND IN SUPPORT OF MAINTANING GRAND FORKS

950620-39 (I, O)
Originated: 06/15/95 Received: 06/20/95 Referred to: LIAISON Due: 06/23/95 Closed: 06/23/95 COMPLETE.
From: OWENS, W.A. (ADMIRAL, U.S. NAVY at).
To: DIXON, ALAN (CHAIRMAN at DBCRC).
Installation(s): GRAND FORKS AFB, ND (F-JFSD).
Contents: LETTER OF SUPPORT FOR RETAINING A CORE AIR REFUELING WING AT GRAND FORKS

950620-5 (I, O)
Originated: 06/16/95 Received: 06/20/95 Referred to: LIAISON Due: 06/27/95 Closed: 06/30/95 COMPLETE.
From: SCHLOSSBERG, GEORGE R (at KUTAK ROCK).
To: DIXON, ALAN (CHAIRMAN at DBCRC).
Installation(s): GRAND FORKS AFB, ND (F-JFSD).
Contents: DISCUSSING REASONS GRAND FORKS REALIGNMENT SHOULD NOT TAKE PLACE, INCLUDING IMPORTANCE TO AFB TREATY - COPY OF AMBASSADOR EDWARD L. ROWNY BEFORE SENATE ARMED SERVICES COMM

950620-58 (I, O)
Originated: 06/20/95 Received: 06/20/95 Referred to: LIAISON Due: 06/22/95 Closed: 06/23/95 COMPLETE.
From: POMEROY, EARL (REP. (ND) at U.S. CONGRESS), and DORGAN, BYRON (SENATOR (ND) at U.S. CONGRESS).
To: DIXON, ALAN (CHAIRMAN at DBCRC).
Installation(s): GRAND FORKS AFB, ND (F-JFSD).
Contents: IN SUPPORT OF GRAND FORKS; MIL VALUE OUT WEIGHS COST SAVINGS CONSIDERATIONS.

[redacted]

OTE: 28 Records Selected by ACKERMAN, Criteria: .

MISSILE/LARGE AIRCRAFT CAPACITY ANALYSIS

<u>AIR FORCE</u>

- Determined an excess of 1 missile base
- Determined an excess of approximately 2-3 large aircraft bases
  - 1-2 Bomber bases
  - 1 Airlift base
  - Included Depot airfield capacity
- Recommended relocation of Malmstrom AFB KC-135 operations and closure of airfield except for helicopter support activity

Adm Harris
Skelton

AIR FORCE
MISSILE BASES

TIER	INSTALLATION
Excluded	*F.E. WARREN AFB, WY* *(*)*
III	*GRAND FORKS AFB, ND* (R)*(*)*
II	*MALMSTROM AFB, MT* (R)*(*)*
II	*MINOT AFB, ND* (**)*(*)*

(C) = DoD recommendation for closure
(R) = DoD recommendation for realignment
(*) = *Candidate for further consideration*
(**) = March 7, 1995 Commission Add for realignment (Missile Field)

NORTHERN TIER MISSILE BASES
DOD RECOMMENDATIONS VERSUS COMPLETE CLOSURES

	GRAND FORKS, ND	MINOT, ND	MALMSTROM, MT	FE WARREN, WY
		MISSILES		
MINUTEMAN III MISSILES	**150** **DOD RECOMMENDED FOR REALIGNMENT** • Low ranked mil effectiveness and maintenance	150 Not Recommended but added by Commission • Middle ranked mil effectiveness and maintenance	200 Not Recommended • High ranked mil effectiveness and maintenance	150 Excluded • Peacekeeper drawdown and START
PEACEKEEPER MISSILES	0	0	0	50
		AIRCRAFT		
KC-135 AIRCRAFT	48 Not Recommended • Core Tanker Base	0	**12** **DOD RECOMMENDED FOR REALIGNMENT** • Operating limitations	0
B-52 AIRCRAFT	0	12 Not Recommended • USAF not seeking to relocate bombers	0	0

Note: 80 launchers at Malmstrom AFB currently have Minuteman III missiles in place; 120 are awaiting conversion to Minuteman III when missiles become available.

BASE ANALYSIS
CATEGORY: MISSILE/LARGE AIRCRAFT

DOD RECOMMENDATION: Realign Malmstrom AFB by relocating the 43rd Air Refueling Group to MacDill AFB.

CRITERIA	MALMSTROM, MT (R)(*) (Realign KC-135 Acft)
AIR FORCE TIERING	II
BCEG RANK	11/18
FORCE STRUCTURE	80 MINUTEMAN III 120 MINUTEMAN X 12 KC-135 Aircraft
ONE-TIME COSTS ($ M)	17.4
ANNUAL SAVINGS ($ M)	5.1
RETURN ON INVESTMENT	4 Years
BASE OPERATING BUDGET ($ M)	21.8
PERSONNEL ELIMINATED (MIL/CIV) PERSONNEL REALIGNED (MIL/CIV)	0/0 719/19
ECONOMIC IMPACT (BRAC95/CUM)	3.0%/3.0%
ENVIRONMENTAL	Asbestos/Siting

(C) = DoD recommendation for closure
(R) = DoD recommendation for realignment
(*) = Candidate for further consideration
(**) = March 7, 1995 Commission Add for realignment (Missile Field)

BASE ANALYSIS
CATEGORY: MISSILE/LARGE AIRCRAFT

DOD RECOMMENDATION: Realign Grand Forks AFB by inactivating the 321st Missile Group.

CRITERIA	GRAND FORKS, ND (R)*(*) (Realign MM III)	MINOT, ND (**)(*) (Realign MM III)
AIR FORCE TIERING	III	II
BCEG RANK	17/18	15/18
FORCE STRUCTURE	150 MINUTEMAN III 48 KC-135 Aircraft	150 MINUTEMAN III 12 B-52 Aircraft
ONE-TIME COSTS ($ M)	11.9	12.0
ANNUAL SAVINGS ($ M)	35.2	36.0
RETURN ON INVESTMENT	Immediate	Immediate
BASE OPERATING BUDGET ($ M)	26.7	26.7
PERSONNEL ELIMINATED (MIL/CIV) PERSONNEL REALIGNED (MIL/CIV)	802/35 0/0	809/46 0/0
ECONOMIC IMPACT (BRAC95/CUM)	2.4%/2.4%	3.1%/3.1%
ENVIRONMENTAL	Asbestos/Siting	Siting

(C) = DoD recommendation for closure
(R) = DoD recommendation for realignment
(*) = Candidate for further consideration
(**) = March 7, 1995 Commission Add for realignment (Missile Field)

BASE ANALYSIS
CATEGORY: MISSILE/LARGE AIRCRAFT

CRITERIA	GRAND FORKS, ND (R)(*) (Realign MM III)	MINOT, ND (**)(*) (Realign MM III)	F.E. WARREN, WY (*) (Realign MM III)	MALMSTROM, MT (R)(*) (Closure)
AIR FORCE TIERING	III	II	Excluded	II
BCEG RANK	17/18	15/18	Excluded	11/18
FORCE STRUCTURE	150 MINUTEMAN III 48 KC-135 Aircraft	150 MINUTEMAN III 12 B-52 Aircraft	150 MINUTEMAN III 50 PEACEKEEPER	80 MINUTEMAN III 120 MINUTEMAN X 12 KC-135 Aircraft
ONE-TIME COSTS ($ M)	11.9	12.0	84.3	96.4
ANNUAL SAVINGS ($ M)	35.2	36.0	16.1	113.9
RETURN ON INVESTMENT	Immediate	Immediate	3 Years	1 Year
BASE OPERATING BUDGET ($ M)	26.7	26.7	16.9	21.8
PERSONNEL ELIMINATED (MIL/CIV) PERSONNEL REALIGNED (MIL/CIV)	802/35 0/0	809/46 0/0	376/27 103/5	2,132/277 1,135/182
ECONOMIC IMPACT (BRAC95/CUM)	2.4%/2.4%	3.1%/3.1%	1.4%/1.4%	9.3%/9.3%
ENVIRONMENTAL	Asbestos/Siting	Siting	Siting	Asbestos/Siting

(C) = DoD recommendation for closure
(R) = DoD recommendation for realignment
(*) = Candidate for further consideration
(**) = March 7, 1995 Commission Add for realignment (Missile Field)

BASE ANALYSIS
CATEGORY: MISSILE/LARGE AIRCRAFT

CRITERIA	MALMSTROM, MT (R)(*) (Closure)	GRAND FORKS, ND (R)(*) (Closure)	MINOT, ND (**)(*) (Closure)
AIR FORCE TIERING	II	III	II
BCEG RANK	11/18	17/18	15/18
FORCE STRUCTURE	80 MINUTEMAN III 120 MINUTEMAN X 12 KC-135 Aircraft	150 MINUTEMAN III 48 KC-135 Aircraft	150 MINUTEMAN III 12 B-52 Aircraft
ONE-TIME COSTS ($ M)	96.4	81.4	230.4
ANNUAL SAVINGS ($ M)	113.9	87.6	98.2
RETURN ON INVESTMENT	1 Year	1 Year	2 Years
BASE OPERATING BUDGET ($M)	21.8	26.7	26.7
PERSONNEL ELIMINATED (MIL/CIV) PERSONNEL REALIGNED (MIL/CIV)	2,132/277 1,135/182	1,597/116 2,354/309	1,846/230 1,947/261
ECONOMIC IMPACT (BRAC95/CUM)	9.3%/9.3%	12.7%/12.7%	15.8%/15.8%
ENVIRONMENTAL	Asbestos/Siting	Asbestos/Siting	Siting

(C) = DoD recommendation for closure
(R) = DoD recommendation for realignment
(*) = Candidate for further consideration
(**) = March 7, 1995 Commission Add for realignment (Missile Field)

BASE ANALYSIS
CATEGORY: MISSILE/LARGE AIRCRAFT

FOR CONSIDERATION: Study Grand Forks , Minot, and Malmstrom AFBs for **REALIGNMENT** or **CLOSURE** and F.E. Warren AFB for **REALIGNMENT**.

CRITERIA	GRAND FORKS, ND (R)*(*)* (Closure)	MINOT, ND (**)*(*)* (Closure)	MALMSTROM, MT (R)*(*)* (Closure)	F.E. WARREN, WY *(*)* (Realign MM III)
AIR FORCE TIERING	III	II	II	Excluded
BCEG RANK	17/18	15/18	11/18	Excluded
FORCE STRUCTURE	150 MINUTEMAN III 48 KC-135 Aircraft	150 MINUTEMAN III 12 B-52 Aircraft	80 MINUTEMAN III 120 MINUTEMAN X 12 KC-135 Aircraft	150 MINUTEMAN III 50 PEACEKEEPER
ONE-TIME COSTS ($ M)	81.4	230.4	96.4	84.3
ANNUAL SAVINGS ($ M)	87.6	98.2	113.9	16.1
RETURN ON INVESTMENT	1 Year	2 Years	1 Year	3 Years
BASE OPERATING BUDGET ($M)	26.7	26.7	21.8	16.9
PERSONNEL ELIMINATED (MIL/CIV) PERSONNEL REALIGNED (MIL/CIV)	1,597/116 2,354/309	1,846/230 1,947/261	2,132/277 1,135/182	376/27 103/5
ECONOMIC IMPACT (BRAC95/CUM)	12.7%/12.7%	15.8%/15.8%	9.3%/9.3%	1.4%/1.4%
ENVIRONMENTAL	Asbestos/Siting	Siting	Asbestos/Siting	Siting

(C) = DoD recommendation for closure
(R) = DoD recommendation for realignment
(*) = *Candidate for further consideration*
(**) = March 7, 1995 Commission Add for realignment (Missile Field)

MISSILE/LARGE AIRCRAFT BASES
MAJOR ISSUES

MAJOR ISSUES	GRAND FORKS, ND	MINOT, ND	MALMSTROM, MT	F.E. WARREN, WY
Anti Ballistic Missile Site	Yes	No	No	No
Force Structure	Consistent with Nuclear Posture Review 500 MM III 3,500 Total TRIAD	Consistent with Nuclear Posture Review 500 MM III 3,500 Total TRIAD	Consistent with Nuclear Posture Review 450 MM III 3,500 Total TRIAD	Consistent with Nuclear Posture Review 500 MM III 3,500 Total TRIAD
Survivability	Hardened Silos Compact Field	Hardened Silos Compact Field	Hardened Silos Expansive Field	Hardened Silos Compact Field
Maintainability	Single System Compact Field 99% Alert Rate	Single System Compact Field 99% Alert Rate	Two Systems Expansive Field 99% Alert Rate	Single System Compact Field 99% Alert Rate
Total on site depot support costs 1993-1995 (Water intrusion, wind anomalies, etc.) ($ M)	8.1	7.0	11.4	10.4
Annual on site depot support costs per launch facility	$18,101 per launch facility	$15, 670 per launch facility	$19,162 per launch facility	$23,028 per launch facility
Tanker saturation in Northwest	Yes	N/A	Yes	N/A
Airfield Elevation	911 Ft.	1,660 Ft.	3,526 Ft.	N/A

Fenil Delib
Script

SLIDE A3

In the Missile/Large Aircraft Bases category, we have studied DoD recommendations for Grand Forks and Malmstrom Air Force Bases as well as Commission adds for Grand Forks and Minot Air Force Bases.

This chart reflects the Air Force assessed overall value of the Grand Forks and Minot Air Force Bases as well as the costs and savings of the DoD recommendation and the Commission alternatives. DoD recommended the Grand Forks reralignment because of a reduction in intercontinental ballistic missile force structure, in accordance with the Nuclear Posture Review, which requires inactivation of one missile field within the Air Force. The Commission adds provide the Minot missile field for consideration as an alternative to Grand Forks as well as the potential for substantially more savings with the complete closure of Grand Forks Air Force Base.

SLIDE A4

These are the issues associated with the DoD recommended inactivation of the missile field at Grand Forks and the Commission alternative to close Grand Forks.

The key issue with respect to the missile field is operational effectiveness. The Air Force rated Grand Forks its least capable missile field based on five criteria: ability to reach targets, size and orientation of the field, geological effects on survivability, weather impacts on operations and maintenance, and logistics supportability. The community argues all missile fields are equally capable and have performed their missions effectively for the past 30 years. Staff findings support the DoD position--all missile fields are fully capable, but the high water table at Grand Forks reduces survivability, the alert rate at Grand Forks has been consistently lower than at Minot, and on-site depot support costs have been higher.

At the time the DoD recommendation was received, there was uncertainty about whether implications for the Grand Forks ABM system and ballistic missile defense might preclude inactivation of the Grand Forks Minuteman field. Indeed, it was for this reason that the Minot missile field was added for consideration. On May 9, the Commission received a letter from the Deputy Secretary of Defense indicating that representatives of DoD, the Joint Chiefs of Staff, the State Department, the Arms Control and Disarmament Agency, and the National Security Council Staff had determined that ABM considerations would not preclude inactivation of the Grand Forks Minuteman field. Subsequent correspondence with DoD confirms inactivation of the Grand Forks Minuteman field will <u>not</u> affect the U.S. right to retain an ABM deployment area at Grand Forks, and it will <u>not</u> require demolition of the ABM facilities. It should be noted, however, it may be necessary to leave a small number of empty silos in place at Grand Forks. The staff finds that the interagency position resolves the potential ABM obstacles.

This finding also affects cost because the community believes that ABM demolition costs, if required, should be added to the cost to inactivate the missile field. However, since there are no ABM related costs, the Grand Forks missile field has a lower cost to inactivate than Minot. DoD included $5.5M for housing demolition at Grand Forks, increasing annual recurring savings by $3.7M. This appears to be a sound investment strategy that produces substantial long term

savings, but would not be necessitated by a decision to realign Grand Forks. As such, the cost and savings associated with this action were removed from the decision COBRA.

In studying Grand Forks for complete closure, the value of the core tanker concept is an issue. This is a component of military value which the commission must weigh against the savings from a complete closure. Both the Air Force and the community argue the organizational improvements, operational capabilities, and fiscal efficiencies of core tanker bases are essential to meeting current military challenges. Staff findings indicate that the core tanker unit at Grand Forks has been successful in sustaining a high deployment rate in support of global operational contingencies. On average over the past year, 66% of Grand Forks tankers were off station. Combining four squadrons of tankers at Grand Forks fully uses the airfield capacity, and achieves efficiencies in supply, maintenance, and facilities utilization.

Grand Forks is an important operational location for supporting both strategic nuclear and contingency deployment operations. CINCSTRATCOM, CINCTRANSCOM, the Vice Chairman of the Joint Chiefs of Staff, and the Air Force Chief of Staff strongly support retaining the core tanker mission at Grand Forks because of its operational location. In addition, the staff notes that the runway at Grand Forks was upgraded to Code 1 in 1994, the hydrant system--essential to effective tanker operations--has been upgraded, airfield facilities are modern, and state and local zoning assure there will be no airfield encroachment problems in the future.

The final two issues--tranker saturation in the Northwest and tanker shortfall in the Southeast--were raised by DoD as part of the rationale for relocating tankers from Malmstrom AFB to MacDill AFB. Grand Forks has a north central location and as such does not contribute to the tanker saturation in the Northwest--it is in fact the only north central location to support the Single Integrated Operations Plan. Although there is a tanker shortfall in the Southeast when the number of locally based tankers is measured against training requirements, this is not an important issue when considered against the operational requirements at Grand Forks.

SLIDE A5

The Minot issues are closely related to the Grand Forks Issues.

Missile field operational effectiveness is better at Minot--the geology is more survivable, the alert rate is the highest in the Air Force, and the depot support costs are the lowest of all the missile fields. By these measures, Minot is not only better than Grand Forks, but better than FE Warren and Malmstrom as well.

The DoD position was that Minot could be substituted for Grand Forks if ABM implications became a show stopper for the Grand Forks recommendation. The interagency review concluded there are no ABM related obstacles, and the Minot alternative is no longer required for this reason.

Although the Air Force evaluated missile and large aircraft missions separately, the minot community argues that the missions should be considered together when calculating military value because they provide operational efficiencies. The staff finds there is shared overhead and the nuclear missions are able to share the weapons storage area.

SLIDES A6/A7

These charts summarize the DoD recommendation and the Commission alternatives and provide pros and cons of each. Mr. Chairman, I would be pleased to answer any questions you may have at this time.

Feril Delist
Sletten

BASE ANALYSIS

DOD RECOMMENDATION: Realign Grand Forks AFB by inactivating the 321st Missile Group.

COMMISSION ADD FOR CONSIDERATION Study Minot AFB **FOR REALIGNMENT** by inactivating the 91st Missile Group. Study Grand Forks AFB **FOR CLOSURE**.

CRITERIA	GRAND FORKS, ND (R) (Realign MM III)	MINOT, ND (*) (Realign MM III)	GRAND FORKS, ND (R)(*) (Closure)
AIR FORCE TIERING	III	II	III
BCEG FLYING RATING	Yellow +	Yellow +	Yellow +
BCEG MISSILE RATING	Red	Yellow	Red
FORCE STRUCTURE	150 MINUTEMAN III 48 KC-135 Aircraft	150 MINUTEMAN III 12 B-52 Aircraft	150 MINUTEMAN III 48 KC-135 Aircraft
ONE-TIME COSTS ($ M)	11.9	17.3	215.3
ANNUAL SAVINGS ($ M)	35.2	36.1	87.7
RETURN ON INVESTMENT	1998 (Immediate)	1998 (Immediate)	2000 (2 Years)
NET PRESENT VALUE	447.1	453.7	960.2
BASE OPERATING BUDGET ($M)	26.7	26.7	26.7
PERSONNEL ELIMINATED (MIL/CIV) PERSONNEL REALIGNED (MIL/CIV)	802/35 0/0	809/46 0/0	1,684/122 2,267/333
ECONOMIC IMPACT (BRAC95/CUM)	-3.1%/-3.1%	-3.1%/-3.1%	-13.4%/-13.4%
ENVIRONMENTAL	Asbestos/Siting	Siting	Asbestos/Siting

(C) = DoD recommendation for closure
(R) = DoD recommendation for realignment
(*) = Candidate for further consideration

ISSUES
Grand Forks AFB, ND

ISSUE	DoD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
Missile field operational effectiveness	Least capable Fully capable of performing mission	All missile fields equally capable	Less survivable geology Lower alert rate Higher on-site depot support costs
Antiballistic missile implications	No effect on right to retain an ABM deployment area at Grand Forks Not necessary to demolish or relocate ABM facilities.	Restricts ballistic missile defense options Requires demolition of existing ABM facilities Could send misleading signal to the former Soviet Union	Interagency position resolves potential ABM obstacles
Cost	No ABM-related costs Include housing demolition costs	Costs are greatly underestimated	No ABM-related costs No housing demolition costs
Core tanker base	Operational effectiveness and fiscal efficiency	Agree with DoD	Sustained high deployment rate Overhead efficiencies
Operational location	Important for Single Integrated Operations Plan (SIOP) and global deployment support Supported by CINCs and CSAF	DoD correctly assessed the military value of Grand Forks AFB when selecting it as core tanker base	Important for Single Integrated Operations Plan (SIOP) Upgraded runway and hydrant system, modern facilities,zoning guarantees
Tanker saturation in Northwest	North central location	Agree with DoD	Northwest tanker saturation not an issue for Grand Forks AFB
Southeast tanker shortfall	Shortfall is for training only	Agree with DoD	Not a decisive issue

ISSUES
Minot AFB, ND

ISSUE	DoD POSITION	COMMUNITY POSITION	R&A STAFF FINDINGS
Missile field operational effectiveness	More capable than Grand Forks	More capable than Grand Forks	More survivable geology Highest alert rate of all missile units Lowest on-site depot support costs of all missile units
Antiballistic missile implications	Inactivate Minot missile field only if there are ABM implications that preclude inactivation of Grand Forks missile field	There are no ABM implications that preclude inactivation of Grand Forks	Potential ABM problem at Grand Forks resolved by interagency review Minot alternative not required

SCENARIO SUMMARY
Grand Forks AFB

DoD RECOMMENDATION	
Realign Grand Forks AFB • Inactivate the 321st Missile Group • Relocate Minuteman III missiles to Malmstrom AFB, MT • Retain small number of silo launchers if required	
One time Cost ($M): 11.9 **Annual Savings ($M): 35.2** **Return on Investment: 1998 (Immediate)** **Net Present Value ($M): 447.1**	
PRO	**CON**
Eliminates excess missile field Eliminates less capable missile field Less survivability Lower alert rate Higher on site depot support costs Lowest cost to close	Small number of silos may be retained