

DCN 1582 THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950410-13

FROM: JOHNSON, M. R.	TO: YELLIN
TITLE: DEPUTY DIRECTOR	TITLE: NAVY TEAM LEADER
ORGANIZATION: FACILITIES AND ENGINEERING DIV.	ORGANIZATION: DBCRC
INSTALLATION (S) DISCUSSED:	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DYON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
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MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
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DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER	✓		
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
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DIR./INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature		Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

PROVIDING COPY OF THE NAVAL SHIPYARD CORE REPORT DATED JAN 26.

\*COPY GIVEN TO ALEX YELLIN AND IN FILE\*

Due Date:	Routing Date: 950410	Date Originated: 950404	Mail Date:
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DEPARTMENT OF THE NAVY  
OFFICE OF THE CHIEF OF NAVAL OPERATIONS  
2000 NAVY PENTAGON  
WASHINGTON, D.C. 20350-2000

IN REPLY REFER TO

11000  
Ser N441D1/5U596178  
4 Apr 95

Defense Base closure and Realignment Commission  
1700 North Moore Street, Room #1425  
Attn: Mr. Yellin  
Arlington, VA. 22209

Please refer to this number  
when responding 950410-13

Dear Mr. Yellin:

Pursuant to your request, enclosed is a copy of the Naval Shipyard Core Report dated 26 January, 1994. Point of contact for this matter is LCDR Mike O'Connor at (703)-695-5144.

If we may be of any further assistance, please do not hesitate to contact us.

Sincerely,

A handwritten signature in cursive script that reads "M. R. Johnson".

M. R. JOHNSON  
CAPT, CEC, USN  
Deputy Director,  
Facilities and  
Engineering Division



REPORT OF  
**NAVAL SHIPYARD  
CORE**

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26 January, 1994

Prepared By  
Naval Sea Systems Command,  
Naval Shipyard and Supship and Field Activity Support Directorate

complex availabilities with unique maintenance requirements, for which there exists limited capabilities in the private sector. Due to their critical roles in JCS contingencies, combined with the small numbers of certain platforms available in inventory, a high degree of risk exists in support of the scenarios if their material readiness is not assured.

In terms of numbers of ships, two thirds of the mission-essential platforms can be maintained in the private sector. Overall three fourths of the FY99 Navy Force Level can be maintained in the private sector.

In terms of direct labor manhours, CORE, as determined by applying the approved OSD methodology, comprises a cadre of industrial capabilities required to support approximately 32,695,337 direct labor hours (DLHs) of naval ship repair, maintenance and modernization work for the FY99 fleet. This workload represents 38.0% of the total actual FY94 workload. Additional above CORE requirements for Last Source of Repair work is 7,124,384 represents 8.3% of the base year workload bringing the total to 46.3% of the FY94 base-year chosen for this study or 39,819,721 DLHs.

Approximately 46,132,719 DLHs of non-CORE work for the FY99 fleet, would be available to the private sector.

This CORE requirement as a percentage of the Navy's FY94 total ship depot maintenance workload is 46 percent. However, because today's fleet is 22 percent larger than the FY99 force level, Naval shipyards are currently operating above this CORE. Naval shipyards are projected to downsize and reach the CORE operating levels as the fleet reduces in size (especially in submarines). This will occur in FY96. At that time, CORE ship depot maintenance requirements, as a percentage of the Navy's total ship depot maintenance requirements (in the DLHs), will be approximately 50 percent.

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## 2 OVERVIEW

### CORE DEFINITION

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The following definition for CORE was provided by the Office of the Under Secretary of Defense (OSD) in the tasking letter of November 15, 1993.

"Depot maintenance core is the capability maintained within organic Defense depots to meet readiness and sustainability requirements of the weapon systems that support the JCS contingency scenario(s). CORE exists to minimize operational risks and to guarantee required readiness for these weapon systems. CORE depot maintenance capabilities will comprise only the minimum facilities, equipment and skilled personnel necessary to ensure a ready and controlled source of required technical competence. Depot maintenance for the designated weapon systems will be the primary workloads assigned to DoD depots to support CORE depot maintenance capabilities."<sup>5</sup>

2. Estimate the scenario workload requirements in terms of industrial trade skills. Conversions were made to account for necessary adjustments to the scenario workload, depot resources and for efficiency/economy factors.
3. A final comparison was made to the FY94 planned total peacetime workload directed by OSD as the base-line year.

The CORE methodology shown in Figure 1, formed the framework of this study.

### CORE METHODOLOGY

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All Services begin with Joint Chief of Staff (JCS) Service plans for contingencies and mobilization supporting the Major Regional Conflict Scenarios (MRC) designated by OSD. Services then identify "CORE" equipment or weapon systems and the corresponding workload, consistent with DoD guidance. All services are directed to express CORE in terms of direct labor manhours (DLH).

NAVSEA used the DoD-approved CORE methodology in three phases of work:

1. Identifying CORE ship platforms based on JCS contingency scenarios and an operational and maintenance risk assessment.

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<sup>5</sup>James R. Klugh, Deputy Under Secretary (Logistics), "Policy for Maintaining Core Depot Maintenance Capability", *Office of the Under Secretary of Defense*, November 15, 1993.

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## SERVICE DIFFERENCES

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Due to the nature of the Navy's mission and its maintenance requirements, some unique maintenance characteristics exist. These are discussed below.

- In most cases, ship availability and weapons systems work packages are assigned, *as a whole*, to a single sector (public or private). In shipwork, resources (skilled personnel, equipment, and processes) are brought to the work site, as opposed to large scale disassembly of the platform to its component parts for delivery to a production line process for maintenance, such as the case for aircraft. An availability is performed at a single location as a complete work package.
- The Navy maintains a high degree of readiness, even in peacetime, due to the unique demands of a continuing forward presence mission. Large work packages and long lead-times are required to perform maintenance and fulfill mission requirements. This makes it impractical to maintain ships in a reserve inventory such as the Army does with tanks. This maintenance program forms the baseline material readiness posture for the fleet at any point in time.
- In war time, shipyard work levels initially rise and then drop sharply, as compared to other Services. This effect is created by deployment of naval forces, delays in scheduled maintenance starts, and significant reduction in ship maintenance due to increases in operational tempo. At the conclusion of initial hostility, shipyard workload may substantially increase for extended periods to regenerate the peacetime readiness posture.
- The Navy maintains relatively small numbers of large, valuable, highly complex, and unique platforms (CVN, LHD, SSN, DDG, etc.) as compared to other Services (i.e. tanks, aircraft, etc..)
- Shipyards are highly capitalized, capable job shops (as opposed to manufacturing production-lines) due to the scope of their maintenance work. This allows shipyards the flexibility to respond quickly to workload surges without significant additional investments in resources.

The Navy analysis is based on three risk factors:

1. The absence of an assured competitive private sector source of depot level maintenance and modernization.
2. Scenario numerical requirements in relation to total ship-class inventory.
3. Unique maintenance requirements, including:
  - A. Large deck ship drydocking and maintenance
  - B. Complex combatant modernization and depot level maintenance
  - C. Nuclear ship (defueling/refueling) servicing
  - D. Maintenance and Modernization Engineering
  - E. Battle damage repair

Each ship class containing ships specified by the JCS contingency scenarios was evaluated on the basis of the above risk factors.

If there were no risk factors present, the ship class was classified as low risk and considered as non-CORE.

If one or two risk factors were present, the class was considered moderate risk. Scenario ships were assigned to the public and private sector on the basis of assured capability.

If all three risk factors present, the class was placed in the high risk category. Most scenario ships were assigned as CORE to the organic shipyards. Some scenario ships were assigned to the private sector on the basis of assured capability.

### **ASSURED PRIVATE SECTOR**

The Navy has an inherent responsibility to provide operational forces with the quantity and quality of weapon systems, training, and support needed to minimize the risk of defeat in combat. The absence of timely depot capability, or the lack thereof, will inhibit committed force support. All platform maintenance requirements were evaluated for an

assured (and competitive) private sector source of depot level maintenance and modernization. Assessments were made of the private sector/industrial base for existing capabilities critical to meeting US military requirements and for their continued economic viability.

### **SCENARIO NUMERICAL REQUIREMENTS**

In order to fulfill the Navy's mission requirement, the quantities of ship platforms required to support the JCS contingency scenarios were compared with the total quantities existing (available) in the active fleet inventory. In cases where the JCS battle-force requirements met or nearly exceeded the total fleet assets, the Navy's responsibility to provide an assured source of maintenance and modernization becomes ever more vital and challenging, and thus places those ship-class platforms at (a higher) risk.

### **UNIQUE NAVAL REQUIREMENTS**

Navy ship maintenance work results in unique requirements in the following categories.

#### **LARGE DECK SHIP DRYDOCKING AND MAINTENANCE**

The Navy must have access to drydocks and a trained work force capable of docking and working on large deck aircraft carriers and amphibious ships (CV/CVN/LHA/LHD). Ideally the drydock facility should be located in the ship's home port area to avoid adverse impact to quality of life for the crew when it is necessary to dock the ship. There should be a minimum of two large deck ship docks available on each coast to ensure an emergent docking can be accommodated when the primary dock is encumbered. After 1996, the Navy will have three CVN primary capable drydocks (2 public, 1 private) with requisite work forces.

#### **DRYDOCKING CAPABILITY**

The capability to drydock large deck navy ships primarily resides in naval shipyards. The ability to drydock aircraft carriers for example exist only in one private shipyard. This unique capability cannot be transferred or realistically established at another activity. Unlike other equipment/facility driven capabilities, the graving docks within Naval Shipyards are a fixed national asset for which there is no replacement.

## **NUCLEAR SHIP SERVICING (DEFUELING/REFUELING)**

The public shipyards have performed over 83 percent of the navy's ships refueling/defueling in the last 10 years.

In order to support nuclear reactor servicing work, the public shipyards have a highly skilled work force of nuclear qualified workers.

The public shipyards also have specific facilities necessary for the refueling and defueling of nuclear submarines and surface ships.

## **MAINTENANCE AND MODERNIZATION ENGINEERING**

### **FULL FLEET ENGINEERING CAPABILITY**

The naval shipyards' planning yards provide ships system expertise and compliment the NAVSEA technical organization life cycle engineering responsibilities. Fleet support involves:

- Providing engineering and plans to install ship alterations in support of upgrades of any kind in the Fleet Modernization Program, i.e., solid waste and environmental upgrades, women-at-sea, system safety improvements, etc.
- Instantaneous response to the fleet for technical information and guidance, drawings, specifications, technical manuals, etc.
- Deck plate guidance in support of ship's force efforts.
- Technical resolutions for emergent voyage repairs.
- Resolving departure from specifications requests from operating fleet.
- Maintenance, publication and distribution of steam plant manuals and ship class technical manuals.
- Interfacing rapid installation designs from various sources with existing ship conditions, i.e. communications, fire control, aircraft recovery equipment, etc.

The planning yard engineering force has evolved into a full service engineering agent for individual ships classes and various maintenance and engineered operating cycle projects/programs to include the Incremental Maintenance Program (IMP) involving:

- Development of an improved maintenance and modernization strategy for all classes of ships to reduce depot maintenance time and increase operational availability.
- An engineered list of required maintenance action items with an appropriate sequencing plan.
- Plans and schedules for required maintenance actions.
- Development of comprehensive technical rationale to support requests from NAVSEA, (i.e. periodicity waivers associated with drydock and piping system hydrostatic test maintenance actions).
- Development of carrier aircraft and other ship class maintenance procedures to record and track initial component or system deterioration.
- Development of pre-availability test and inspection (PAT & I) and point of entry tests (POET) lists.
- Rotatable pool and pre-positioned parts material support requirement lists.
- Critical component lists and overhaul manuals and specifications.

## **BATTLE DAMAGE REPAIR**

In order to effectively respond to battle damage repair the Navy requires a highly skilled, mobile, diverse, ready resource capable of quickly assessing and repairing damage to safely restore ships to mission capability.

In support of this CORE requirement the unique capabilities the naval shipyards provide are:

- A government controlled, ready pool of highly skilled engineers, technicians and tradesmen that can be immediately deployed anywhere in the world.

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**SSBN**

REQUIREMENT APPROXIMATELY EQUAL TO INVENTORY

Yes

UNIQUE MAINTENANCE REQUIREMENTS

Yes

No nuclear reactor servicing capability on the West Coast.

RISK REDUCTION ACTIONS

West Coast SSBNs to Puget Sound NSY and East coast SSBNs to Electric Boat.

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**SSN**

ABSENCE OF ASSURED COMPETITIVE PRIVATE SECTOR

Yes

No capability on the West Coast. East Coast facilities are not facilitated for refueling.

UNIQUE MAINTENANCE REQUIREMENTS

Yes

No nuclear reactor servicing capability on the West Coast.

RISK REDUCTION ACTIONS

SSN refueling overhauls performed in the NSYs. SSN non-refueling overhauls split between NSYs (two thirds) and private sector (one third), based on number of capable facilities.

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**CVN**

ABSENCE OF ASSURED COMPETITIVE PRIVATE SECTOR

Yes

No capability on the West Coast. Newport News is only source on the East Coast.

REQUIREMENT APPROXIMATELY EQUAL TO INVENTORY

Yes

UNIQUE MAINTENANCE REQUIREMENTS

Yes

No nuclear reactor servicing or drydock capability on the West Coast. Newport News has the only capable drydock.

RISK REDUCTION ACTIONS

Split between NSYs (two thirds) and private sector (one third) based on number of capable facilities.

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**CV**

ABSENCE OF ASSURED COMPETITIVE PRIVATE SECTOR

Yes

West Coast does not have adequate facilities for docking availabilities.

REQUIREMENT APPROXIMATELY EQUAL TO INVENTORY

Yes

UNIQUE MAINTENANCE REQUIREMENTS

Yes

No drydock capability on the West Coast.

RISK REDUCTION ACTIONS

Major availabilities will be performed in NSYs.

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**LCC/AGF**

REQUIREMENT APPROXIMATELY EQUAL TO INVENTORY

Yes

UNIQUE MAINTENANCE REQUIREMENTS

Yes

Complex command and control systems.

RISK REDUCTION ACTIONS

Split between NSYs (one third) and private sector (two thirds) based on number of capable facilities.

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**LHA**

REQUIREMENT APPROXIMATELY EQUAL TO INVENTORY

Yes

UNIQUE MAINTENANCE REQUIREMENTS

Yes

Limited number of capable drydocks. Complex command and control systems.

RISK REDUCTION ACTIONS

Split between NSYs (two fifths) and private sector (three fifths) based on number of facilities with capable drydocks.



## 4 WORKLOAD CALCULATIONS

### SCENARIO WORKLOAD ESTIMATES

#### AVERAGE NOTIONAL REPAIR AND ALTERATION MANDAYS

The Navy's FY99 force levels were used to determine total platforms to be workloaded. Estimates of the workload required to maintain the scenario platforms identified in the previous chapter were determined. These estimates were based on notional manday requirements for depot level maintenance availabilities of Navy ships. For repair mandays, this guidance is outlined in the draft OPNAV NOTICE 4700 found in Appendix A. Ship Alteration mandays are based on the average mandays programmed for each ship class during the Fall 1993 Fleet Scheduling Conference.

Since the final CORE workload calculation will be compared to a representative total "peacetime" workload (base year FY94), it was necessary to determine an average direct labor MD/YR. The annual repair manday estimates used in Figure 4 are based on total repair manday requirements of the platform's complete maintenance cycle.

All major availabilities usually include ship alterations (SHIPALTS). Each SHIPALT for a ship class is unique and the mandays necessary for accomplishment are estimated by a centralized ship class Planning Yard. SHIPALTS, such as installation of a new weapons system, can be pervasive throughout the ship and will affect the repair portion of the availability. This modernization is phased over the maintenance cycle and, when added to the notional repair mandays discussed above, constitutes the total planned availability workload.

The average repair and alteration manday estimates, in Appendix B, represent an estimate of the annual maintenance workload incurred for a given ship class over the "typical" maintenance cycle. Specifically, the repair mandays are based on the draft OPNAV Notice 4700 excepted, where modified, by the Fall 1993 Fleet Scheduling Conference. In the case of submarines (SSN), a full 20 year cycle including DMP and ERO/ROH

was used to better represent the maintenance requirements.

A maintenance cycle starts after the completion of a ship's overhaul or docking availability (when no overhaul availabilities are included in the maintenance plan) and ends after completion of the next overhaul or docking availability. For new construction or conversion ships, the maintenance cycle starts after completion of the post shakedown availability or as defined in the ship's class maintenance plan.

The mandays used represent the "typical" mandays required and should not be considered a minimum or maximum requirement for specific availabilities. While it is true that work packages vary in size and all fleet platforms are in random stages of their respective maintenance cycles, it is reasonable to assume that the impact of these variations is averaged over time and that they generally conform to the above described maintenance cycles.

#### RA/TA

In addition to the planned ship work discussed above, emergent repairs are an unavoidable component of the maintenance cycle. This workload is called RA/TA (Restricted Availability/Technical Availability) and is estimated by ship class based on historical data. These availabilities are scheduled as the need arises, normally when a major component or system fails and requires immediate depot repairs. The work is usually limited to only these systems or components. RA/TA is an integral part of the maintenance cycle and can impact the planned availability notional repair workload, e.g. an emergent drydocking to change a damaged propeller could negate the need to drydock the ship during a scheduled availability.

#### OPW

Other Productive Work (OPW) was included in the scenario workload estimate to account for work used to maintain basic competencies in the production shops and specialized work performed to support fleet operations associated with the maintenance and modernization of the MRC platforms. Examples of this includes the repair of radar systems, maintenance of communications and other electronic equipment.

**TRADE SKILL DISTRIBUTION**

Depot level skills required, including engineering and all other productive work to support scenario requirements were determined based on actual, total annual direct labor, charges incurred from FY90 through FY93.

During that time period, the Navy was, in fact, engaged in a regional conflict in the Persian Gulf. The average direct labor hours expended by various production shops within the last four years is assumed to yield an appropriate and accurate distribution of required production capabilities.

Production categories are further broken down by approved trade and support skill designations found in Appendix C<sup>7</sup>. Figure 5 below lists the resulting skill category distributions used to indicate resource capability requirements.

DIRECT LABOR HOUR ACTUALS							
CATEGORY		FY-90	FY-91	FY-92	FY-93	TOTAL	%
Shipfitting (Structural)	11	3,527,750	3,366,986	3,464,701	3,206,728	13,566,165	5.26%
Sheetmetal	17	1,849,910	1,650,596	1,624,912	1,469,952	6,595,370	2.56%
Welding	26	3,716,622	3,638,636	3,512,323	3,466,631	14,334,212	5.56%
Foundry	88	244,638	195,940	203,453	176,931	820,962	0.32%
Outside Machine Work	38	5,389,639	4,463,407	5,195,732	3,621,102	18,669,880	7.24%
Inside Machining	31	3,034,222	2,716,930	2,554,354	1,998,519	10,304,025	3.99%
Electrical	51	4,056,130	3,238,019	3,413,374	2,936,187	13,643,710	5.29%
Electronics	67	2,087,082	2,015,591	1,940,301	1,623,367	7,666,341	2.97%
Boilerwork	41	2,586,378	1,494,571	1,176,078	898,475	6,155,502	2.39%
Pipefitting	56	6,077,389	5,254,878	6,282,174	4,990,001	22,604,442	8.76%
Woodworking / Coverings	64	3,706,377	2,621,528	2,711,032	2,902,677	11,941,614	4.63%
Painting	71	2,273,537	2,579,491	2,467,513	2,200,782	9,521,323	3.69%
Rigging	72	4,058,632	4,252,730	5,194,025	3,581,729	17,087,116	6.62%
Temporary Services	99	1,720,759	1,869,173	1,865,263	1,540,790	6,995,985	2.71%
PRODUCTIVE		44,329,065	39,358,476	41,605,235	34,613,871	159,906,647	61.99%
Design Engineering	200	4,883,320	4,412,661	4,377,060	3,686,901	17,359,942	6.73%
Inspection / Testing	130	4,408,039	2,953,457	3,109,320	3,508,794	13,979,610	5.42%
Nuclear Operations	2300	3,109,675	4,310,274	5,054,068	3,370,929	15,844,946	6.14%
Combat Systems	290	774,072	708,710	599,627	106,508	2,188,917	0.85%
OTHER PRODUCTIVE		13,175,106	12,385,102	13,140,076	10,673,132	49,373,415	19.14%
OTHER MANUFACTURING	300	5,285,861	5,206,302	9,370,795	9,872,588	29,735,546	11.53%
TOTAL		62,790,032	56,949,880	64,116,106	55,159,591	239,015,608	92.66%
ADMINISTRATION	100	3,890,905	4,026,774	5,515,443	5,488,889	18,922,010	7.34%
		66,680,937	60,976,654	69,631,549	60,648,479	257,937,619	100.00%

Figure 5. Depot Level Trade Skill Distribution

<sup>7</sup>ADM John S. Claman, Deputy Commander for Industrial and Facility management, "Skill Designators, Trade Skills and Support Code Skills", NAVSEA, January 14, 1993.

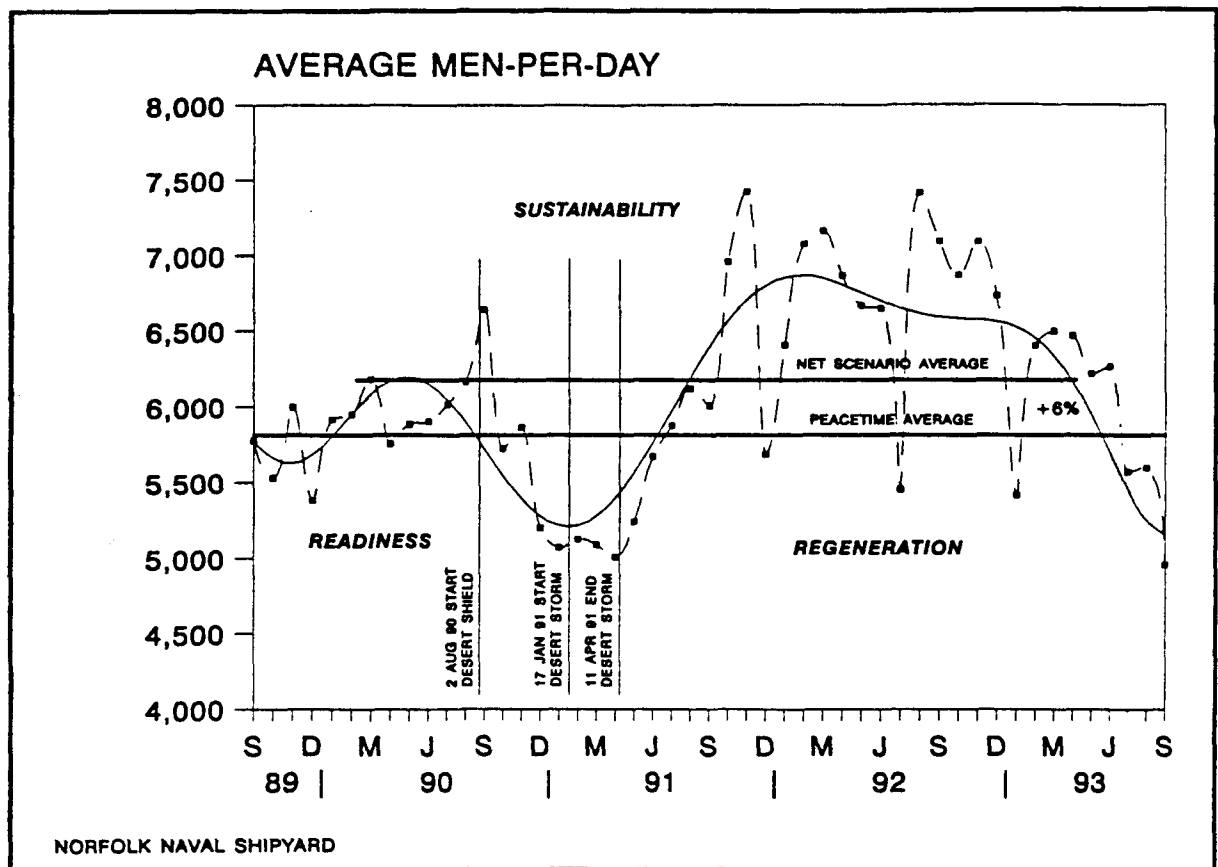


Figure 6. Depot Level Desert Storm/Desert Shield (Persian Gulf War) Workload Analysis

## RESOURCES ADJUSTMENTS

To surge resources to accomplish the increased workload generated at the end of the scenario, the following adjustments to available resources were considered.

- New Hires
- Temporary / On call Labor
- Overtime

During Desert Storm a slight surge of short duration was required to deploy ships close to the end of a maintenance period and position battle damage support teams in the theater. It was determined, however, from this regional conflict experience that the requirement to surge resources to increase capacity in time of war is overall, minimal. This is due to the fact that the Navy ship maintenance strategy is to support a fleet readiness posture during peacetime that equates to the war time requirement.

As shown in the above (Figure 6) and discussed in the previous section, Navy ship maintenance workload dramatically drops during the period of the conflict and increases after the conclusion of the war in the regeneration phase.

Although the organic capacity during war time could be increased as much as 60% above peacetime levels, as is required under different maintenance strategies (e.g. inducting tanks and aircraft into active status) there is simply no requirement to do so unless ships are reactivated from the reserve fleet. The time period to induct additional ships, even with a full surge capacity, exceeds the scenario conflict duration and therefore is not a viable option. The MRC scenarios are a "come as you are" conflict.

Since the workload increase in the regeneration phase is again accomplished in a "peace time" environment, there is little requirement to surge and in fact there is financial disadvantage to accomplish

**CORE CALCULATION SUMMARY**

Figure 7 below summarizes the CORE calculations, including adjustments, as per the provided methodology.

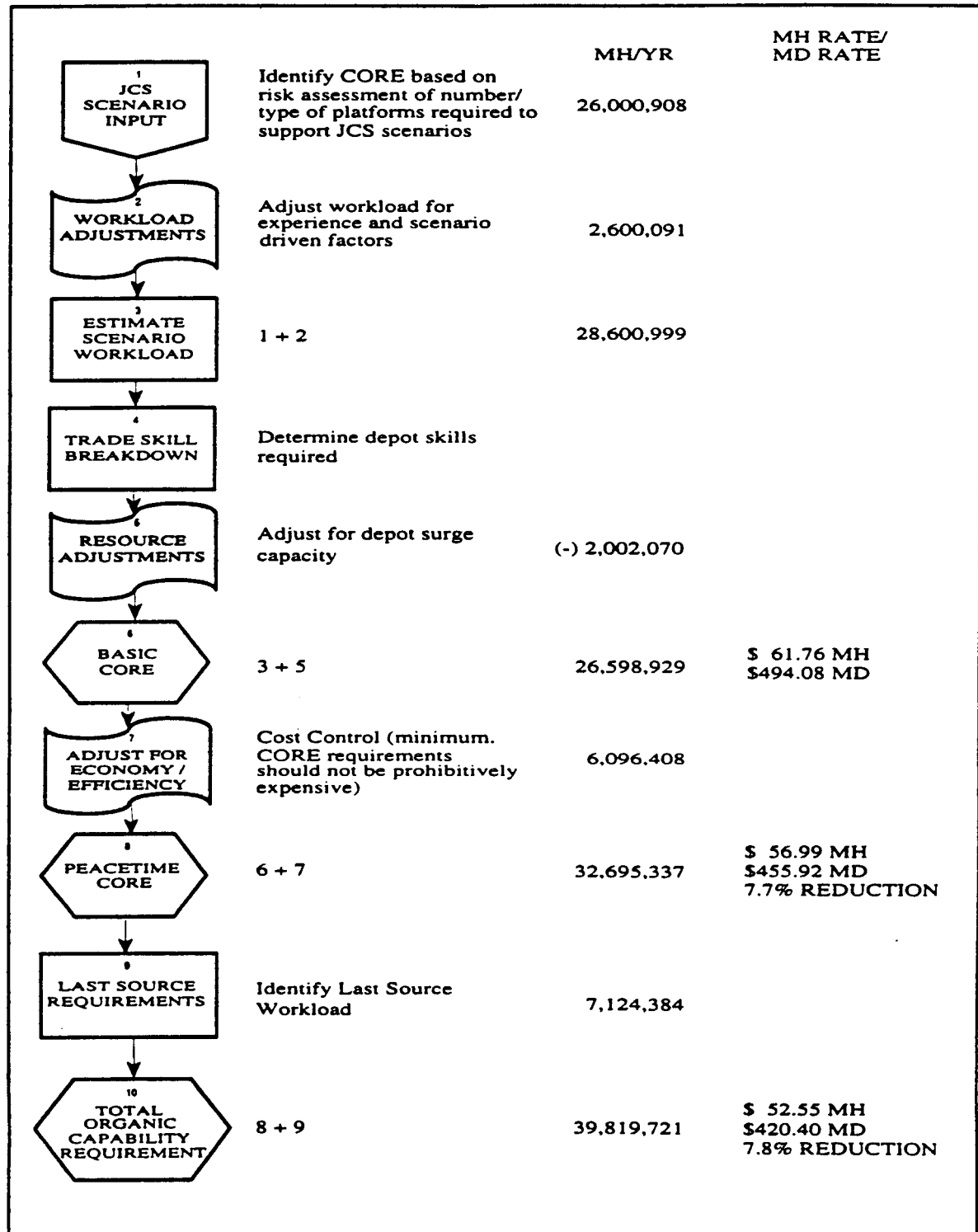


Figure 7. CORE Methodology Calculation Summary

## **ADDITIONAL CAPACITY**

As stated in the tasking memo from OSD, "the capacity determined as the result of the CORE methodology computation is not the total capacity required. Capacity is also needed to handle Last Source requirements, cost control (competed workload), and rationally justified reserve capacity".<sup>8</sup>

## **LAST SOURCE OF REPAIR**

The life cycle of navy weapon systems platforms and equipment is notionally designed for 30 or more years of useful service. Often over this time period the private sector, due to reasons of non-profitability, lack of suppliers, or demise becomes uninterested or incapable of maintenance and/or modernization of many navy ships. Additionally, few private sector shipyards are facilitated (especially for large drydocking) or financially capable of acquiring the requisite facilities necessary to service many of the large navy ships.

Examples of "last source" include:

- CGN inactivations/disposal/recycling
- SSN inactivations/disposal/recycling

Work which falls into these categories become the last source of repair even though the workload may not be part of CORE.

## **NUCLEAR SHIP INACTIVATION AND RECYCLING**

It is essential for the Navy to safely dispose of nuclear powered submarines and ships once these ships have reached the end of their useful service lives. It is required that this work be performed in a nuclear capable shipyard with reactor servicing facilities.

The need to remove hazardous materials, such as asbestos, lead, and PCBs, makes ship dismantlement, in compliance with all applicable environmental regulations, a challenging task. The Navy tasked a public shipyard to develop the procedures, technical expertise and facilities to

safely, and in an environmentally responsible manner, dispose of the reactor compartment and the remainder of the ship.

An essential element for the continued success of this work is the accomplishment of the work in a manner that assures the Navy, the regulating agencies, and the public, that handling and disposing of these materials does not pose risk to human health or the environment. It also requires extensive coordination and responsiveness to the concerns of Federal, State and local agencies.

After a lengthy Environmental Impact Statement process, the Hanford site in Washington State was selected as the disposal site for naval reactor compartments. A major consideration in this decision was the Hanford sites close proximity to a nuclear capable shipyard where the existing drydocks, reactor servicing and other necessary infrastructure existed to safely defuel and remove the reactor compartments. No other Federal disposal sites and no private sector vendors have these combined features.

<sup>8</sup>James R. Klugh, Deputy Under Secretary (Logistics), "Policy for Maintaining Core Depot Maintenance Capability", *Office of the Under Secretary of Defense*, November 15, 1993.

## 6 SUMMARY

### CORE V. CAPACITY

With the closure of three naval shipyards in FY96, the Navy's ship depot maintenance organic capacity will be reduced 52 percent in labor and 38 percent in facilities from cold war levels. Capacity consists of the skilled work force and the critical facilities required to conduct industrial operations.

### WORK FORCE CAPACITY

In 1992, the Naval Sea Systems Command completed an analysis of the work force capacity to cost effectively execute the complex mix of work assigned to naval shipyards.<sup>9</sup> The analysis was based on the historical shipyard performance in executing complex ship and nuclear ship major depot maintenance availabilities. The analysis determined the maximum potential capacity (in direct labor men-per-day) for each shipyard in performing work on today's product (not WWII-type work) and remain cost effective (i.e., perform within contracted cost and schedule).

After closure of Philadelphia, Charleston and Mare Island Naval Shipyards, the maximum potential ship depot maintenance capacity for the remaining Naval shipyards will be within 10% of the CORE requirement determined in this analysis (Appendix J). This condition is healthy and will provide the flexibility to surge or react to unknown, unpredictable workload perturbations.

### FACILITIES CAPACITY

Facilities "capacity" is controlled by two critical considerations: large drydocks for CVN/CVs and reactor servicing complexes. Because of the significant capital investment required, these are not normally found in the private sector, unless the Navy has funded their purchase. The one notable exception is the CVN drydock at Newport News Shipbuilding and Drydock Co. An analysis of the utilization of these critical facilities is shown in Appendix I. Also included in the analysis is the recycling facility at Puget Sound (last source) and other facilities, such as non-refueling submarine and other large deck drydock requirements. The bottom line over the 1996-2006 time frame:

a) Submarine refueling complexes will be 93 percent utilized, and b) CVN/CV drydocks will be 82 percent utilized. These facilities are currently found only in five shipyards: Newport News Shipbuilding and Drydock Co., Norfolk Naval Shipyard, Puget Sound Naval Shipyard, Portsmouth Naval Shipyard, and Pearl Harbor Naval Shipyard (planned). If one of these facilities is removed, then the Navy's ship depot maintenance program for these complex ships (FY99 force) is unexecutable without creating additional facilities at another location.

### CONCLUSIONS

39,819,721 direct labor hours per year will be required in the public sector to provide a ready Navy for JCS national defense scenarios and leverage for cost effective ship depot maintenance. This is CORE and represents the total organic shipyard depot maintenance requirement based on the FY99 fleet force level (331 ships). Twenty-five percent of the FY99 fleet will be maintained organically in Naval shipyards. This portion represents many of the Navy's high value, complex ships which require a substantial investment in depot level skills, facilities, and technology to assure adequate material readiness.

With the closing of three naval shipyards in FY96, the maximum potential direct labor capacity of the remaining yards will be within 10 percent of the CORE requirement for the FY99 force level (see Appendix J). Also, at that time, the 10 year projected requirement for critical drydocks facilities (see Appendix I) requires: a) three CVN drydocks with skilled work force, and b) four SSN reactor refueling complexes. Nuclear carrier capable drydocks with requisite skilled work force are currently available only at Norfolk Naval Shipyard, Puget Sound Naval Shipyard and Newport News Shipbuilding and Drydock. The average 10 year utilization of these drydocks is 82 percent. SSN-688/CGN refueling docks are currently available at only Norfolk Naval Shipyard, Puget Sound Naval Shipyard and Portsmouth Naval Shipyard with a fourth complex being available through additional planned capability at Pearl Harbor Naval Shipyard, Portsmouth Naval Shipyard, or Norfolk Naval Shipyard. The average 10 year utilization of these docks is 93 percent.

<sup>9</sup>Nuclear Capable Naval Shipyard Capacity Study, NAVSEA, November 1992.

this work at other than peacetime resource strategy levels.

Even though the regeneration phase may take up to two years, it is impractical to increase capacity with new hires, due to the length of time required to complete training and develop requisite skills.

To support the backlog of maintenance work at the conclusion of the regional conflict (see Figure 6 above) a combination of temporary/on-call labor and increased overtime strategies is employed. Overtime usage in the naval shipyards is limited for reasons of personnel safety and cost effectiveness. Through the 1970's to the present, naval shipyards have encountered both excessively high and low workloads with commensurate uses of overtime. Based on experience and historical performance gained through this period, it has been determined that a nominal cost effective level of overtime usage should be about 7%. The overall resource adjustment factor used to account for increased productivity during peacetime is 0.93.

### **ECONOMY/EFFICIENCY ADJUSTMENTS**

The CORE methodology applies an economy/efficiency factor to keep the required minimum CORE support effort from being exorbitantly and prohibitively expensive and to maximize the productive output achieved with available CORE related resources. This workload adjustment ensures that valuable CORE capabilities are fully and efficiently utilized rather than being left idle for long periods of time awaiting work.

### **WORKLOAD LEVELING**

Maintenance depots perform most cost effectively when workload levels are properly aligned with work force ability. Statistical regression models of production efficiency curves have shown depots generally operate most efficiently at relatively high and consistent workload levels.

### **MAINTAIN SKILL BASE**

In order to maintain true CORE capabilities, shipyards must maintain a skilled industrial work force, which requires a stable workload in skilled areas to remain viable. A variety of work mix may be vital to maintain a complex cadre of basic competencies.

### **COST CONTROL**

Distribution of workload to various public and private depot maintenance activities must consider both risk and cost. While the risk of SSN maintenance/modernization is moderate, the requirement to ensure cost control is essential. Economic leverage provides the capability to use market forces to keep depot support costs down, ensures that government officials are informed buyers of depot industrial products and services and allows the operational commanders to acquire the best values consistent with risk analysis.

To determine the workload associated with workload leveling, skill maintenance and cost control, the total out-year Naval maintenance requirement was analyzed. Workload leveling maintenance is comprised of two CG, one DDG and five DD class availabilities that have been assigned to the public sector to level minor workload depressions in the projected maintenance schedule.

Work added for reasons of cost control is that workload associated with repair and alteration maintenance of twenty-two 688-class submarines not expected to receive a refueling overhaul and not required to support the MRCs.

A combination of the above described work was extracted from the planned FY 95-00 workload and annually averaged to produce a notional yearly average number of DLHs see Appendix E. This amount of work was then applied to the basic CORE to adjust for economy and efficiency. Assuming that only this amount of workload would be executed in the existing organic facilities in 1994 an equivalent manday (MD) rate was calculated. The basic CORE workload estimate yields a total manday rate of \$494.08 (see Appendix F). Judicious workload leveling estimates for economy and efficiency (6,096,408 additional manhours) lowers the peacetime CORE workload manday rate to \$455.92, a 7.7% reduction. When last source of repair work is factored in, the manhour rate drops an additional 7.8% to \$420.40.

The workload adjustments for economy/efficiency, shown in Figure 7, properly align estimated scenario workload levels with anticipated total operating costs for the FY94 base year. This additional loading helps to distribute the fixed overhead burden necessary to support naval maintenance requirements.

## 5 RESULTS

### TOTAL PEACETIME COMPARISON

The final step of the CORE methodology was to calculate the resulting non-CORE workload. Non-CORE workload is the difference between the current or planned total peacetime workload (FY94 base year, see Appendix G) and the final CORE workload expressed in direct labor hours, by skill category. The total (public and private) projected FY94 workload without new construction is 85,952,440 DLHs.

The Naval Shipyard peacetime CORE requirements are as follows in Figure 8.

### CORE CAPABILITY

	PLANNED		CALC
	FY-94	CORE	NON-CORE
SKILL CATEGORY	TOTL WKLD	TOTL WKLD	WKLD
Shipfitting (Structural)	4,520,647	1,719,603	2,801,044
Sheetmetal	2,197,772	836,008	1,361,765
Welding	4,776,583	1,816,958	2,959,625
Foundry	273,569	104,062	169,506
Outside Machine Work	6,221,356	2,366,534	3,854,822
Inside Machining	3,433,606	1,306,105	2,127,501
Electrical	4,546,488	1,729,432	2,817,055
Electronics	2,554,651	971,761	1,582,891
Boilerwork	2,051,195	780,251	1,270,944
Pipefitting	7,532,468	2,865,266	4,667,202
Woodworking / Coverings	3,979,299	1,513,680	2,465,619
Painting	3,172,786	1,206,892	1,965,894
Rigging	5,693,932	2,165,907	3,528,025
Temporary Services	2,331,269	886,788	1,444,481
Design Engineering	5,784,846	2,200,490	3,584,356
Inspection / Testing	4,658,419	1,772,010	2,886,409
Nuclear Operations	5,280,004	2,008,454	3,271,550
Combat Systems	729,412	277,460	451,952
Other Manufacturing	9,908,763	3,769,181	6,139,581
General Administration	6,305,373	2,398,493	3,906,881
TOTAL DIRECT LABOR HOURS	85,952,440	32,695,337	53,257,103
PERCENT OF TOTAL PEACETIME WKLD	100%	38%	62%

Figure 8. Naval Shipyard Peacetime CORE Requirements



## TOTAL ORGANIC REQUIREMENT

The last source requirement workload for the above described was extracted from the planned FY 95-00 schedule of maintenance and annually averaged to produce a notional workload in direct labor hours (DLH). Last source work is then added to the calculated peacetime CORE to determine the total organic capability necessary to sustain the total navy fleet maintenance requirements (refer to Figure 7, and Appendix E). The Naval Shipyard peacetime CORE "plus" last source requirements are shown in Figure 9 below.

SKILL CATEGORY	PLANNED	ORGANIC	CALC
	FY-94	TOTL WKLD	NON-ORG
	TOTL WKLD	TOTL WKLD	WKLD
Shipfitting (Structural)	4,520,647	2,094,308	2,426,339
Sheetmetal	2,197,772	1,018,176	1,179,597
Welding	4,776,583	2,212,877	2,563,706
Foundry	273,569	126,738	146,831
Outside Machine Work	6,221,356	2,882,206	3,339,150
Inside Machining	3,433,606	1,590,708	1,842,898
Electrical	4,546,488	2,106,280	2,440,208
Electronics	2,554,651	1,183,509	1,371,142
Boilerwork	2,051,195	950,270	1,100,925
Pipefitting	7,532,468	3,489,613	4,042,855
Woodworking / Coverings	3,979,299	1,843,514	2,135,784
Painting	3,172,786	1,469,876	1,702,910
Rigging	5,593,932	2,637,863	3,056,069
Temporary Services	2,331,269	1,080,021	1,251,248
Design Engineering	5,784,846	2,679,982	3,104,864
Inspection / Testing	4,658,419	2,158,135	2,500,285
Nuclear Operations	5,280,004	2,446,100	2,833,904
Combat Systems	729,412	337,919	391,493
Other Manufacturing	9,908,763	4,590,494	5,318,269
General Administration	6,305,373	2,921,129	3,384,244
<b>TOTAL DIRECT LABOR HOURS</b>	<b>85,952,440</b>	<b>39,819,721</b>	<b>46,132,719</b>
<b>PERCENT OF TOTAL PEACETIME WKLD</b>	<b>100%</b>	<b>46%</b>	<b>54%</b>

Figure 9. Naval Shipyard Peacetime CORE Plus Last Source Requirements

## **Appendices**

**APPENDIX A OPNAV NOTICE 4700**

**APPENDIX B AVERAGE NOTIONAL MD/YR -- CORE PLATFORMS**

**APPENDIX C TRADE SKILL CATEGORY DESIGNATIONS**

**APPENDIX D ACTUAL MONTHLY MANDAYS (PERSIAN GULF), NNSY**

**APPENDIX E CORE WORKLOAD ANALYSIS**

**APPENDIX F PRO FORMA MANDAY RATE FOR CORE WORKLOAD**

**APPENDIX G TOTAL FLEET WORKLOAD -- FY94 ALL STARTS**

**APPENDIX H MISSION OF THE NAVAL SHIPYARD,  
OPNAV INSTRUCTION 5450.228**

**APPENDIX I CRITICAL FACILITY REQUIREMENT**

**APPENDIX J NAVAL SHIPYARD CAPACITY**

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DEPARTMENT OF THE NAVY  
OFFICE OF THE CHIEF OF NAVAL OPERATIONS  
WASHINGTON, DC 20350-2000

Canc frrp; Oct 94  
IN REPLY REFER TO  
OPNAVNOTE 4700

OPNAV NOTICE 4700

From: Chief of Naval Operations

Subj: NOTIONAL INTERVALS, DURATIONS, AND REPAIR MANDAYS FOR  
DEPOT LEVEL MAINTENANCE AVAILABILITIES OF UNITED STATES  
NAVY SHIPS

Ref: (a) OPNAVINST 4700.7J (NOTAL)  
(b) OPNAVINST 3120.33B (NOTAL)  
(c) OPNAVINST 4780.6C (NOTAL)

Encl: (1) Notional Intervals, Durations and Repair Mandays for  
Depot Level Maintenance Availabilities

1. Purpose. To issue depot level availability notional intervals, durations and repair mandays for all ships of the United States Navy except those ships assigned to the Military Sealift Command.

2. Cancellation. OPNAVNOTE 4700 Ser 433G/2U599597 of 2 December 1992.

3. Background. Reference (a) establishes the policies and responsibilities for planning, programming, budgeting, scheduling, performing, and evaluating maintenance of ships. Reference (b) and (c) promulgate the depot level maintenance requirements for nuclear ship and non-nuclear service craft, respectively. This notice incorporates the Nuclear Carrier (CVN) Incremental Maintenance Plan; changes the Coronado (AGF 11) to Phased Maintenance strategy; extends the maintenance cycle for forward-based (OFRP) ships; and includes significant changes to surface ship repair mandays based on Maintenance Requirement System (MRS) analysis.

4. Policy. The Chief of Naval Operations requirements for the accomplishment of ship, submarine and service craft maintenance are contained in references (a) through (c).

a. U.S. Navy ships shall accomplish depot maintenance availabilities at the notional intervals, durations, and repair mandays set forth in enclosure (1).

(1) Interval is defined as the period from the completion of one scheduled depot availability to the start of the next

e. In accordance with reference (a), all depot availability schedule changes must be coordinated among cognizant Fleet Commanders-in-Chief (FLTCINCs), Commander Naval Sea Systems Command (COMNAVSEASYSKOM) and the Chief of Naval Operations (CNO N85, N865, N871, N885 and N43).

f. The mandays specified in enclosure (1) represent the "typical" mandays required, not the minimum or a "cap" for specific availabilities. To ensure continuity between the budgeting and programming processes, enclosure (1) mandays should be used in Fleet budget estimates. Justification for deviating from these notionals must be provided.

5. Action. FLTCINCs, COMNAVSEASYSKOM and OPNAV Sponsors are to implement the above guidance following the detailed policy provided in references (a) and (b).

6. Cancellation Contingency. Upon issuance of next notice.

Distribution:  
(See next page)

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NOTIONAL DURATION, INTERVALS AND REPAIR MANDAYS FOR DEPOT LEVEL MAINTENANCE AVAILIBILITIES

SLIP CLASS	MAINT STRATEGY	TYPE	NOTIONAL DURATION (MO)	NOTIONAL INTERVAL (MO)	MAINT CYCLE (MO)	CNO	NOTL	REMARKS
AD 27:41	PM	DPMA PMA	4	60	64	173	DPMA	PMA --- PMA --- PMA --- DPMA
CL			3	18		115		0 18 21 39 42 60 64
AF 26 CL	PM	DPMA PMA	4	51	55	125	DPMA --- PMA --- PMA --- DPMA	0 15 18 33 36 51 55
AE 26 (G ONLY)	PM	DPMA PMA	4.5	59.5	64	29.5	DPMA --- PMA --- PMA --- PMA --- DPMA	0 12.5 15 27.5 31 43.5 47 59.5 64
			3.5	12.5		23.4		SEE NOTE #1.
AFDR 8	ROH	SCO	6	18	24	30	SCO --- SCO	0 18 24
AFDL 6, 23 & 25	ROH	SCO	3	60	63	15	SCO --- SCO	0 60 63
AFDM CL	ROH	SCO	6	60	66	36	SCO --- SCO	0 60 66
AFDM 5,8	ROH	SCO	6	24	30	18	SCO --- SCO	0 24 30
AGF 3 (L ONLY)	EOC	ROH DSRA	10	115	125	50.0	ROH --- DSRA --- ROH	0 55 60 115 125
			5	55		49.1		SEE NOTE #2.
AGE 11 (P ONLY)	PM	DPMA PMA	5	50	56	24.8	DPMA --- PMA --- PMA --- DPMA	0 15 18 33 36 51 56
AGSS 555	ROH	ROH	20	60	80	UNIQUE	ROH --- ROH	0 60 80

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SUPP CLASS	MAINT STRATEGY	TYPE AVAIL.	NOTIONAL DURATION (MO)	NOTIONAL INTERVAL (MO)	NOTIONAL MADT CYCLE (MO)	CRD NOTL	REMARKS	TIME LINE NUMBERS INDICATE MONTHS
CG 1626 CL	PM	DSRA PSA	5	15	56	428	DSRA ---	0 15 18 33 36 51 56
CG 26 CL (OFRP)	PROG	DSRA SRA	4	18	64	143	DSRA ---	0 18 21 39 42 60 64
CG 47 CL	EOC	ROH DSRA SRA	8	79	87	482	ROH ---	0 18 20 38 41 59 61 79 87
CG 47 CL (OFRP)	PROG	DSRA SRA	5	15	56	382	DSRA ---	0 15 18 33 36 51 56
CGN 2536 & 38	EOC	COH RCOH DSRA SRA	18	82	100	350	COH ---	0 18 21 39 43 61 64 82 100
CG 62	PROG	DSRA SRA	4	57	61	120	DSRA ---	0 9 12 21 24 33 36 45 48 57 61
CV 59/63 & 67 CL	EOC	COH SRA	12	60	72	300	COH ---	0 18 21 39 42 60 72
CVN 65	EOC	COH DSRA SRA	24	84	108	UNIQUE	COH ---	0 18 21 39 44 62 65 84 108

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SHIP CLASS	MAINT STRATEGY	TYPE	DURATION (MO)	INTERVAL (MO)	MAINT CYCLE (MO)	UNIT KMTS	REMARKS
LCC 19 (UNUD)	PROG	DSRA	5	52	57	203	DSRA: 0 10 14 24 28 38 42 52 57
LCC 29 (L ONLY)	PM	DPMA PMA	4	10	55	101	SEE NOTE #11
LHA 1 CL	EOC	COH SRA	11	56	67	1220	COH: 0 16 20 36 40 56 67
LHA 1 CL (OFRP)	PROG	DSRA SRA	2	51	56	64	DSRA: 0 15 18 33 36 51 56
LHD 1 CL	EOC	COH SRA	11	56	67	1353	COH: 0 16 20 36 40 56 67
LHA 113 CL	PM	DPMA PMA	4	54	58	143	DPMA: 0 16 19 35 38 54 58
LPD 4 CL	PM	DPMA PMA	4	50	55	236	DPMA: 0 15 18 33 36 51 55
LPD 4 CL (OFRP)	PROG	DSRA SRA	4	51	55	206	DSRA: 0 15 18 33 36 51 55
LPH 2 CL	PM	DPMA PMA	3	48	53	207	DPMA: 0 14 17 31 34 48 53
LSD 36 CL	PM	DPMA PMA	4	51	55	258	DPMA: 0 15 18 33 36 51 55
LSD 41 CL	PM	DPMA PMA	4	51	55	143	DPMA: 0 15 18 33 36 51 55

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SHIP NAME	HAZARD STRATEGY	TYPE	NOTIONAL DURATION (MO)	MINIMUM INTERVAL (MO)	MAINT CYCLE (MO)	END NO.	REMARKS
SSN 642,445	EOC	DSRA				UNIQUE	SEE NOTE #14
SSN 671 (G ONLY)	EOC	RFOH/ROH	24			20	ROH --- DSRM --- DSKM --- KOH 0 28 30 58 60 84 108
		DSRA	2				SEE NOTE #13
SSN 688 CL (688-699)	FUC	ROH/EOH (ERO)	18-24		102-8	350	DEL --- DSKM --- DSRM --- KOH --- DSRM --- DSRM --- 19 0 28 30 58 60 84 0 28 30 58 60 84
		DSRA 102	2		102-8	19	ERO --- DSRM --- DSRM --- EOH 0 28 30 58 60 84
		DSRA 304	2			21	SEE NOTES #5 & 13
SSN 688 CL (700-718)	EOC	EOH (ERO)	18-24		102-8	350	DEL --- DSKM --- DSRM --- DMF --- DSRM --- DSRM --- 95 0 28 30 58 60 84 0 28 30 58 60 84
		DMF	11			20	
		DSRA 102	2			24	ERO --- DSRM --- DSRM --- EOH 0 28 30 58 60 84
		DSRA 304	2				SEE NOTES #5 & 13.
SSN 688 CL (719-773)	EOC	EOH (ERO)	18-24		102-10	350	PSM --- DSRM --- DSRM --- DMF --- DSRM --- DSRM --- 95 0 28 30 58 60 84 0 28 30 58 60 84
		DMF	11			20	
		DSRA 102	2			24	EOH --- DSRM --- DSRM --- ERO 0 28 30 58 60 84
		DSRA 304	2				SEE NOTES #5 & 13.

ALL CHANGES/ADDITIONS TO THE PREVIOUS OPNAV FORM 4700 ARE MARKED IN BOLD AND UNDERLINED.

**FLEET CODES**  
 (G ONLY) GUAM HOMERPORTED SHIPS ONLY  
 (L ONLY) LANFLET SHIPS ONLY  
 (OFRP) OVERSEAS FAMILY RESIDENCY PROGRAM  
 (P ONLY) PACFLT SHIPS ONLY

**MAINTENANCE STRATEGIES**  
 PM PHASID MAINTENANCE  
 PROG PROGRESSIVE MAINTENANCE  
 EOC ENGINEERED OPERATING CYCLE

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ENCLOSURE



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\* NOTES:

- \*1. Guam homeported ships receive 1 DPMA of 4.5 months duration (29.5 KMDYS for AE Class & 26.5 KMDYS for AFS Class and 3 PMAs of 3.5 months duration (23.4 KMDYS for AE Class & 23.5 KMDYS for AFS Class). Mandays have been increased to compensate for lack of INA support in Guam.
- \*2. Tycom PPAVs are scheduled every 15 months between availabilities.
- \*3. OFRP homeported DD 963 and CG 47 Class ships will rotate back to CONUS to accomplish major modernization availabilities (i.e. 6 months or greater duration).
- \*4. Following refueling of CGN 36/38 Class ships, the RCOH will normally coincide with the third scheduled COH depending on the rate of fuel depletion.
- \*5. Nuclear ships may require an adjustment in overhaul intervals depending on rate of fuel depletion. Some mandays for preparations to support refueling must be programmed up to 3 years in advance of the fiscal year for the start of the refueling overhaul.
- \*6. SRAs are incrementally executed over a 12 month period.
- \*7. If the overhaul interval exceeds 5 years it may be necessary to dock a carrier during an SRA, which would require an additional 10 KMDYS to perform the necessary work.
- \*8. For CVN 68 Class ships, the RCOH will normally coincide with the third COH depending on the rate of fuel depletion. Transition to the new incremental maintenance plan will occur as follows: FY95 CVN 73, FY96 CVN 72, FY98 CVN 74, FY99 CVN 69 & CVN 71, FY01 CVN 75, FY03 CVN 68.
- \*9. DD 963 Class VLS overhauls require 50 KMDYS and 11 months.
- \*10. PFC 7 class will periodically require an extended DSRA (EDSR) consisting of approximately 22K repair mandays for modernization.
- \*11. Due to operational commitments, the LCC 19 annual availability will be accomplished in two 7 or 8 week segments usually in Jun/Jul and Nov/Dec.
- \*12. NR-1 will normally receive an annual PRAV consisting of 5 KMDYS.
- \*13. Refer to OPNAVINST 3120.33B for SSN and SSBN operating cycle and extension requirements.
- \*14. SSN 642/645 maintenance plan will be IAW NAVSEA ltr Ser 395A2/C62 dtd 04 Jun 91.
- \*15. SSN 683 maintenance plan will be IAW NAVSEA ltr 4710/683 Ser 395A22/42/102 dtd 07 May 92.

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## **APPENDIX C**

# **TRADE SKILL CATEGORY DESIGNATIONS**

## Trade Skill Category Breakdown

11	17	26
Shipfitting (Structural)	Sheetmetal	Welding
Shipfitting	Sheetmetal Layout	Structural Welding
Structural Loft Work	Sheetmetal Work (Shop)	Pipe Welding
Structural Components & Tank Testing	Sheetmetal Work (On-Site)	Thermal Spray
Flange Turning	Hazardous Material / Waste Handling	Hazardous Material / Waste Handling
NC/CNC Programming		
Gas Free Inspection		
Hazardous Material / Waste Handling		

31/06/23	38	41
Inside Machining	Outside Machine Work	Boilerwork
Machine Operation	Automatic Combustion Control (Boiler)	Boilerwork (Shipboard)
Large Component Machine Work	Mechanic Auxillary Machinery (Surface)	Boilerwork (Shop)
Mast / Scope Work (Shop)	Mechanic Auxillary Machinery (Submarine)	Copperwork
Pump / Turbine Repair	Catapult & Arresting Gear	Propeller Work
General Valve Repair (Shop)	Diesel Work	Hazardous Material / Waste Handling
Hydraulic Systems (Shop)	General Valve Repair (Shipboard)	
Generator / Motor Repair, Mechanical	Hull & Back-Up Valve Repair (Shipboard)	
Tool Manufacture	Hydraulic System (Shipboard)	
NC/CNC Programming	Main Propulsion Equipment Repair (Submarine)	
Mechanical Instrument Calibration & Repair	Mast, Fairings & Periscopes	
Electroplating	Steering & Diving Equipment	
Hatch / Watertight Door Repair	Optical Equipment Repair	
Forging Work	Gun & Missile Launcher Work	
Propeller Work	Torpedo / Missile Tube Work	
Hazardous Material / Waste Handling	Weapons Handling Equipment	
	Electroplating	
	Hatch / Watertight Door Repair	
	Air Conditioning / Refrigeration	
	Hazardous Material / Waste Handling	

## Trade Skill Category Breakdown

88/94 Foundry	99 Temporary Services	904 (250,260,270,290) Design Engineering
Foundry Work	Temporary Services, Electrical	Job Planning (Structural)
Melting	Temporary Services, Sheetmetal / Ventilator	Job Planning (Mechanical)
Molding	Temporary Services, Pipework	Job Planning (Electrical)
Patternmaking	Gas Free Inspection	Job Planning (Electronic)
Propeller Work	Hazardous Material / Waste Handling	Structural System Engineering
Hazardous Material / Waste Handling		Mechanical System Engineering
		Electrical System Engineering
		Electronic System Engineering
		Ship Silencing Engineering
		HP&A Test Engineering
		Integrated Logistics Support
		Supervision

130 Inspection / Testing	2300 Nuclear Operations	290 Combat Systems
Structural System Inspection	Radiological Control	Combat System Engineering
Mechanical / Piping System Inspection	Nuclear Engineering	HP&A Work Control
Electrical / Electronics System Inspection	Nuclear Inspection / Quality Assurance	Supervision
Boiler System Inspection	Supervision	
Material Testing		
Chemical Analysis		
Quality Assurance Specialist - Audit		
Welding Engineering		
HP&A Work Control		
Non Destructive Test Examination		
Ultrasonic Test Inspection		
Radiographic Test Inspection		
Eddy Current Test Inspection		
Supervision		

**APPENDIX D**

**ACTUAL MONTHLY MANDAYS  
(PERSIAN GULF), NNSY**

## **APPENDIX E**

# **CORE WORKLOAD ANALYSIS**

## **APPENDIX F**

# **PRO FORMA MANDAY RATE FOR CORE WORKLOAD**

**APPENDIX G**

**TOTAL FLEET WORKLOAD**

**FY94 ALL STARTS**



# TOTAL FLEET WORKLOAD -- FY94 ALL STARTS

HULL	NO	AVAIL	START	COMP	OYARD	HPORT	MD TDLEST	FLT	SHIP
SSN	697	DSRA	2/24/94	4/26/94	PEARL	PEARL	21.502	P	INDIANAPOLIS
SSN	704	DSRA	10/5/93	12/5/93	SNEWS	NORVA	35.200	A	BALTIMORE
SSN	705	DSRA	10/4/93	12/2/93	SGROT	GROTN	28.900	A	CITY OF CORPUS CHRISTI
SSN	706	DSRA	4/1/94	6/1/94	SGROT	GROTN	26.400	A	ALBUQUERQUE
SSN	721	DSRA	9/1/94	11/1/94	PUGET	SD	20.155	P	CHICAGO
SSN	722	DSRA	3/17/94	5/17/94	SNEWS	NORVA	22.900	A	KEY WEST
SSN	725	DSRA	8/1/94	9/30/94	PEARL	PEARL	23.993	P	HELENA
SSN	753	DSRA	6/1/94	8/1/94	SNEWS	NORVA	21.600	A	ALBANY
SSN	754	DSRA	1/25/94	3/25/94	MARE	SD	28.200	P	TOPEKA
SSN	755	DSRA	2/4/94	4/4/94	SGROT	GROTN	21.000	A	MIAMI
SSN	762	PSA	1/5/94	6/12/94	SGROT	GROTN	2.000	P	COLUMBUS
SSN	763	PSA	6/13/94	11/18/94	SGROT	GROTN	4.800	A	SANTE FE
SSN	767	PSA	5/2/94	10/21/94	SNEWS	NORVA	4.600	A	HAMPTON
SSN	683	RA	1/3/94	4/12/94	MARE	VALJO	55.398	P	PARCHE
SSN	578	RCD	4/14/94	11/17/94	PUGET		37.011	P	SKATE
SSN	583	RCD	4/14/94	11/29/94	PUGET	PEARL	36.986	P	SARGO
SSN	614	RFF	10/1/93	12/23/94	PUGET	PEARL	56.940	A	GREENLING
SSN	637	RFF	4/15/94	8/17/95	PUGET	CHASN	56.993	A	STURGEON
SSN	648	RFF	9/30/94	6/1/95	PEARL	PEARL	42.500	P	ASPRO
SSN	679	RFF	3/1/94	10/1/94	PEARL	NORVA	37.799	A	SILVERSIDES
SSN	689	RFF	11/1/93	4/5/95	MARE	NORVA	69.700	A	BATON ROUGE
SSN	691	RFOH	2/4/94	4/7/96	PTSMH	NORVA	514.000	A	MEMPHIS
SSN	592	SR	3/29/94	9/27/94	PUGET	UN W	14.905	P	SNOOK
SSN	618	SR	3/29/94	9/27/94	PUGET		14.885	P	THOMAS JEFFERSON
AD	42	DPMA	8/22/94	12/17/94	SSD	SD	17.300	P	ACADIA
AD	44	P-IA	2/1/94	5/6/94	SPORT	NORVA	14.600	A	SHENANDOAH
AD	38	PMA	10/5/93	12/20/93	SPORT	NORVA	11.500	A	PUGET SOUND
AD	43	PMA	11/1/93	1/28/94	SSD	SD	14.700	P	CAPE COD
AE	33	DPMA	1/25/94	4/15/94	SSF	CONCD	13.700	P	SHASTA
AE	27	PMA	6/13/94	9/16/94	SPNYK	EARLE	15.000	A	BUTTE
AE	29	PMA	4/18/94	6/17/94	SSF	CONCD	16.300	P	MOUNT HOOD
AE	34	PMA	9/12/94	12/16/94	SCHAS	CHASN	11.600	A	MOUNT BAKER
AFDM	5	SCO	5/1/94	9/1/94	SUBIC	SUBIC	15.000	P	RESOURCEFUL
AFDM	8	SCO	7/6/94	3/10/95	GUAM	GUAM	15.000	P	RICHLAND
AFDM	10	SCO	9/30/94	3/30/95	SPORT	NCRVA	36.000	A	RESOLUTE
AFDL/E)	23	SCO	1/5/94	5/5/94	GUAM	GUAM	15.000	P	ADEPT
AGF	11	PMA	11/8/93	1/14/94	SSD	SD	17.400	P	CORONADO
AGOR	9401	NC	11/15/93	11/15/96	TBD E	LANHO	31.950	A	
AO	178	PMA	8/17/94	11/18/94	SPORT	NORVA	17.600	A	MONONGAHELA
AO	180	PMA	3/14/94	6/10/94	SSDPH	PEARL	15.200	P	WILLAMETTE
AOE	3	PMA	1/25/94	5/20/94	SPNYK	EARLE	31.900	A	SEATTLE
AOR	5	IB	7/5/94	9/30/94	TBD W	LBECB	14.000	P	WABASH
AOR	4	PMA	6/14/94	9/16/94	SPORT	NORVA	10.000	A	SAVANNAH
AR	5	DSRA	10/15/93	1/15/94	SPORT	NORVA	23.496	A	VULCAN
ARS	40	PMA	9/12/94	11/23/94	SPORT	LCREK	4.200	A	HOIST
ARS	50	PMA	1/10/94	3/11/94	SSDPH	PEARL	4.300	P	SAFEGUARD
ARS	51	PMA	9/26/94	12/2/94	SPORT	LCREK	4.100	A	GRASP
ARS	52	PMA	6/20/94	8/19/94	SSDPH	PEARL	4.100	P	SALVOR
ARS		PMA	10/25/93	12/23/93	SPORT	LCREK	4.300	A	RECOVERY
ASR	13	IB	9/30/94	1/13/95	SPORT	NORVA	5.000	A	KITTIWAKE





DEPARTMENT OF THE NAVY  
OFFICE OF THE CHIEF OF NAVAL OPERATIONS  
WASHINGTON, DC 20380-1000

IN REPLY REFER TO

OPNAVINST 5450.228  
OP-431  
Ser 00/1U500348  
12 December 1991

OPNAV INSTRUCTION 5450.228

From: Chief of Naval Operations

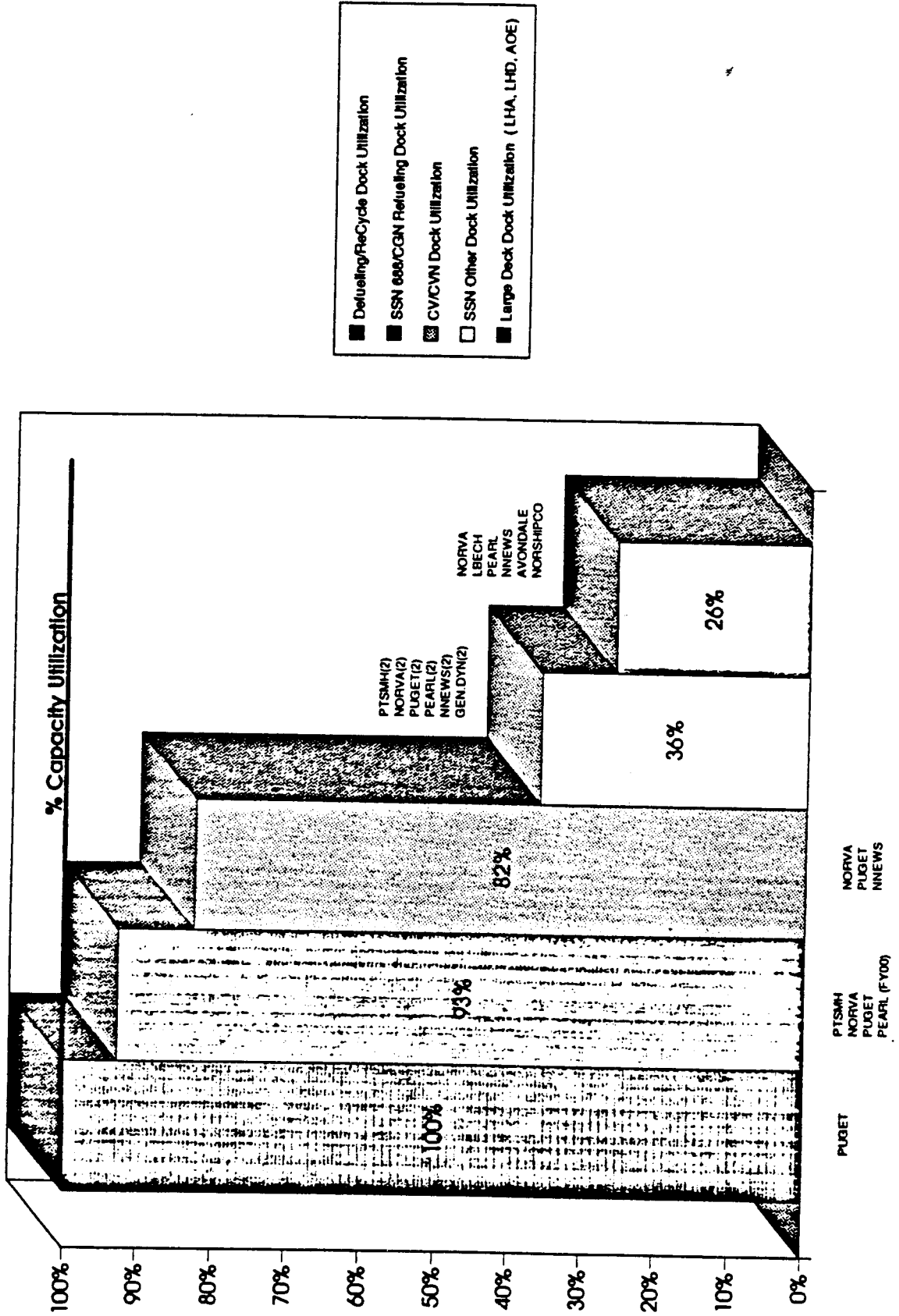
Subj: MISSIONS OF THE NAVAL SHIPYARDS

1. Purpose. To establish the mission of the naval shipyards.
2. Cancellation. OPNAVINST 3050.22. ✓
3. Policy. Fleet requirements are best served by a complex of naval and private shipyards. Capability and capacities of the total complex should be adequate to handle projected demands for industrial services placed on them by the fleet. Naval shipyards comprise a vital element of fleet maintenance and modernization. They are distinguished from other shore activities which render service to the fleet in that they have the industrial plant, engineering talent and artisan skills required to overhaul, drydock, repair, and modernize warships.
4. Mission. It is the mission of naval shipyards to maintain, modernize, and provide emergency repair of naval ships as directed. To accomplish this mission, it is imperative that Navy retain access to essential waterfront areas which contain unique drydock and work spaces. It is also imperative that we guarantee a competitive base for ship repair and retain a skilled work force which supports the Navy being a knowledgeable consumer of nuclear and conventional ship construction and repair services.
5. Action. Commander, Naval Sea Systems Command will promulgate implementing directives and ensure compliance with the above for activities under his command.

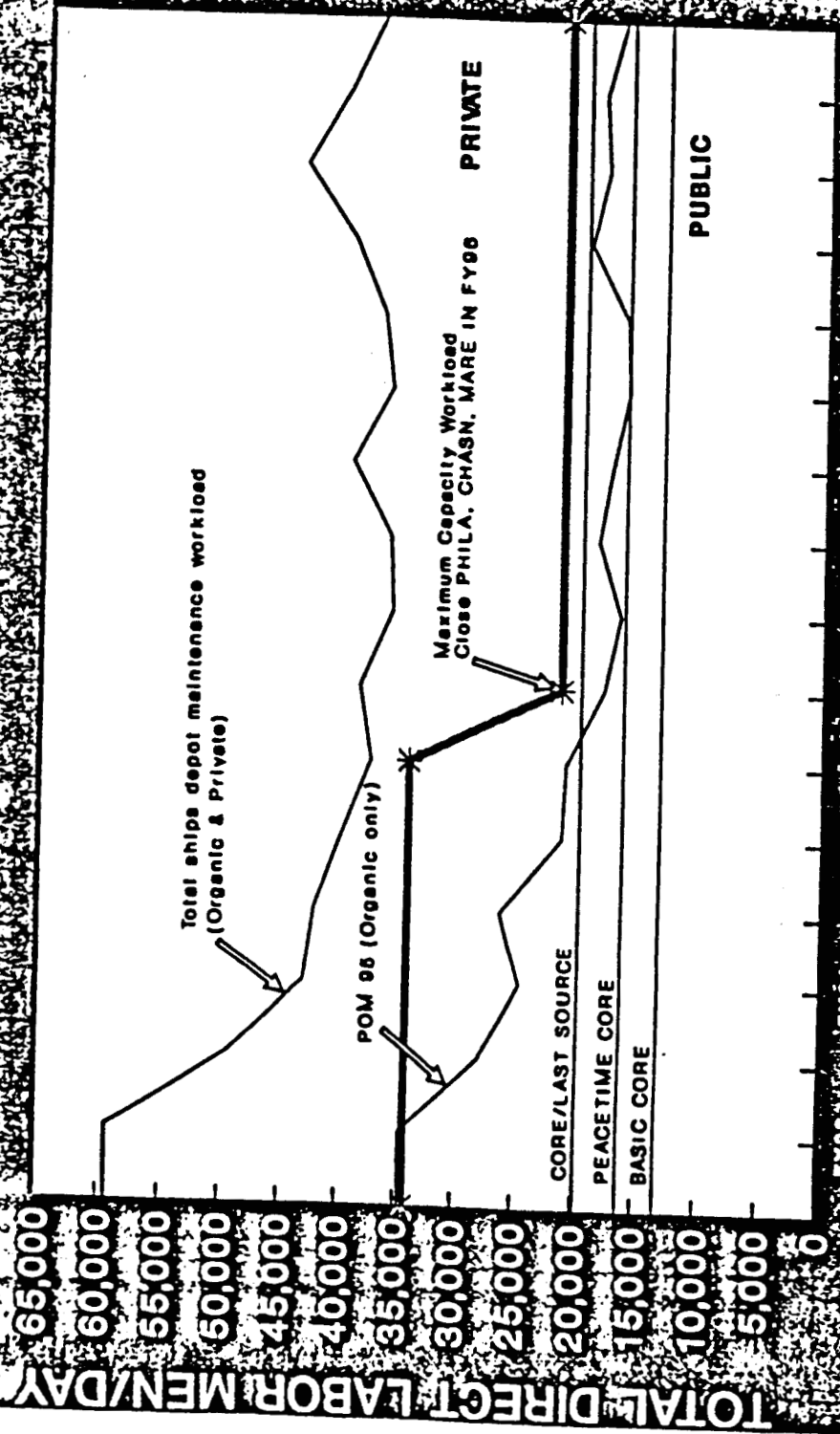
*F. B. Kelso II*  
F. B. KELSO, II

Distribution:  
(See next page)

# CRITICAL DRYDOCK FACILITIES REQUIREMENT FY 96 - FY 06



# NAVAL SHIPYARD CAPACITY (All Naval Shipyards)



01/10/97  
 FY95 FY96 FY97 FY98 FY99 FY00  
 III CORECAP

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) #

950410-14

FROM: STEWART, MAURICE C.	TO: YELIN, ALEX.
TITLE: MAINTENANCE POLICY ANALYST	TITLE: NAVY TEAM LEADER
ORGANIZATION: DOD	ORGANIZATION: DBCRC
INSTALLATION (S) DISCUSSED:	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL				COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
				COMMISSIONER ROBLES			
DIR./CONGRESSIONAL LIAISON				COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER	✓		
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR./INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature	Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature	Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓ FYI

Subject/Remarks:

PROVIDING COPY OF DEPOT MAINTENANCE CAPACITY AND UTILIZATION MEASUREMENT HANDBOOK.

COPY GIVEN TO NAVY, INTERAGENCY #1

Due Date:	Routing Date: 950410	Date Originated: 950405	Mail Date:
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OFFICE OF THE UNDER SECRETARY OF DEFENSE

3000 DEFENSE PENTAGON  
WASHINGTON DC 20301-3000



ACQUISITION AND  
TECHNOLOGY

FAPR 9 1995

MEMORANDUM FOR THE DEFENSE BASE CLOSURE and REALIGNMENT  
COMMISSION (ATTENTION: MR YELLIN)

SUBJ: DRAFT DEPOT MAINTENANCE CAPACITY AND UTILIZATION  
MEASUREMENT HANDBOOK

Per your request attached is a copy of the subject handbook that was sent to the  
Service's for coordination in Aug 94.

If you have any additional concerns please contract me at 695-5315.

Attachment

Maurice C. Stewart  
Maintenance Policy Analyst  
Maintenance Policy, Programs & Resources

Please refer to the number  
when responding 950410-14



**DRAFT**

**DoD 4151.18-H  
August 1994**

**DEPOT MAINTENANCE**

**CAPACITY AND UTILIZATION**

**MEASUREMENT HANDBOOK**

**OFFICE OF THE DEPUTY UNDER SECRETARY OF DEFENSE (LOGISTICS)**

**DRAFT**



## FOREWORD

This Handbook is issued under the authority of DoDD 4151.18, Maintenance of Military Materiel, dated August 12, 1992. Its purpose is to provide updated guidance for a common methodology to measure and provide visibility of the capacity and utilization of DoD organic depot maintenance activities that perform depot-level maintenance of military material.

DoD 4151.15-H, Depot Maintenance Production Shop Capacity Measurement Handbook, dated July 28, 1976 is hereby canceled.

This Handbook applies to the Office of the Secretary of Defense, the Military Departments, and the Defense Agencies (hereafter referred to collectively as "the DoD Components").

This Handbook is effective immediately and is mandatory for use by all the DoD Components. The Heads of the DoD Components may issue supplementary instructions when necessary to provide for unique requirements within their respective Component.

Send recommended changes to the Handbook through the appropriate channels to:

Office of the Deputy Under Secretary of Defense (Logistics)  
ATTN: Assistant Deputy Under Secretary of Defense (Maintenance  
Policy, Programs and Resources)  
Washington, DC 20301-5000

The DoD Components may obtain copies of this Handbook through their own publication channels. Other Federal Agencies and the public may obtain copies from the U.S. Department of Commerce, National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161.

Deputy Under Secretary of Defense (Logistics)

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- Appendix C. Capacity and Utilization Index Record
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- Appendix E. Capacity and Utilization Reporting Format
- Appendix F. Core Methodology

REFERENCES

- (a) DoD 4151.15-H Depot Maintenance Production Shop Capacity Measurement Handbook, 28 July 1986 (hereby canceled)
- (b) DoDD 4151.18, Maintenance of Military Materiel, dated August 12, 1992
- (c) DoD 7220.9M, DoD Accounting Manual, October 1983, Change No. 15, 23 Mar 1990, Chapter 76 [or DoD 7000.14-R Financial Management Regulation (if published before this handbook)]

## DEFINITIONS

1. Annual Paid Hours. The annual work hours per worker, including holidays, for a single shift, 40 hour work week for which an employee is paid.
2. Annual Productive Hours. That portion of the annual paid hours per production worker that remains for direct application to the job after subtraction of holidays, leave, training, and other recognized indirect hours.
3. Availability Factor. The percentage of a single-shift work year that work positions can be used to accomplish direct productive work. This factor may include reductions for facility/equipment nonavailability such as calibration/maintenance/repairs of real property and shop equipment, utility failure, unscheduled facility closures, and equipment installation/rearrangement.
4. Bottleneck. A process in the production flow within which capacity to do work is limited to the degree that it restricts the ability to achieve full, single-shift utilization of the other processes either preceding or following the bottleneck.
5. Capacity Index. The amount of workload, expressed in actual direct labor hours (DLHs), that a facility can effectively produce annually on a single shift, 40-hour week basis while producing the product mix that the facility is designed to accommodate. The formula for computing the capacity index is:

(work positions) x (availability factor) x (annual productive hours)

6. CORE. Depot maintenance core is the capability maintained within organic Defense depots to meet readiness and sustainability requirements of the weapon systems that support the Joint Chiefs of Staff (JCS) contingency scenario(s). Core exist to minize the operaional risks and to guarantee readiness of these weapon systems. Core depot maintenance capabilities will comprise only the minimum facilities, equipment and skilled personnel necessary to ensure a ready and controlled source of repaired technical competence. The Military Services will use the DoD approved methodology (Appendix F) to comput core depot maintenance requirements.

7. Depot Maintenance. That maintenance that is the responsibility of and performed by designated maintenance activities, to augment stocks of serviceable materiel, and to support organizational maintenance and intermediate maintenance activities by the use of more extensive shop facilities, equipment, and personnel of higher technical skill than are available at the lower levels of maintenance. Its phases normally consist of inspection, test, repair, modification, alteration, modernization, conversion, overhaul reclamation, or



rebuild of parts, assemblies, subassemblies, components, equipment end items, and weapons systems; the manufacture of critical non-available parts; and providing technical assistance to intermediate maintenance organizations, using and other activities. Depot maintenance is normally accomplished in fixed shops, shipyards and other shore-based facilities, or by depot field teams.

8. Depot Maintenance Activity. An industrial-type facility established by the DoD to perform depot-level maintenance on weapon systems, equipment and components.
9. Direct Production Worker. A worker whose labor hours are charged to specific production Job orders.
10. Excess Capacity. Capacity for which no current or future requirement exists.
11. Index. An Index is a composite number used to characterize different sets of data in terms of a ratio. An Index determined in accordance with this Handbook is a general indicator rather than a precise measure. As index data are aggregated, their significance may decrease.
12. Mission Utilization Index. An indicator, expressed as a percentage, of the degree of alignment of executable requirements to the designed capacity of a shop or depot.

13. Mobilization Utilization Index. An indicator, expressed as a percentage, of the degree of alignment of mobilization requirements to the designed physical capacity of a shop or depot.
  
14. Peacetime Utilization Index. An indicator, expressed as a percentage, of the degree of alignment of planned, funded or actual workload to the designed capacity of a shop or depot.
  
15. Physical Capacity Index. The amount of workload, expressed in actual DLHs, that a facility can accommodate with all work positions continuously manned on a single shift, 40-hour week basis, while producing the product mix that the facility is designed to accommodate. The physical capacity index is used for mobilization planning purposes only. The formula for computing the physical capacity index is:

$$(\text{work positions}) \times (\text{availability factor}) \times (\text{annual paid hours})$$

This annually based formula assumes that work positions will be continuously manned and that all holidays will be worked.

16. Product Mix. A combination of heterogeneous workloads usually consisting of portions related to major systems, subsystems, components, stock classes, or items.
17. Reserve Capacity. Capacity that is not utilized but is retained for reasons of military necessity or as sound business practice.
18. Reserve Capacity Index. The amount of capacity, expressed in DLHs, that is identified for retention as reserve capacity. The reserve capacity index for each specific depot maintenance activity is the aggregate of the individual shop-identified reserve capacities of that activity.
19. Shop. A work center, functional work group, or resource group that contains one or more work stations that perform depot maintenance work.
20. Surge. The act of expanding an existing depot maintenance repair capability to meet increased requirements by adjusting shifts, adding skilled personnel, equipment and/or spares and repair parts to increase the flow of repaired or manufactured materiel to the using activity or for serviceable storage.
21. Utilization Index. An indicator, expressed as a percentage, of the degree of alignment of workload to the designed capacity of a shop or depot, after allowing for reserve capacity.
22. Work Position. The designated space of equipment/process usage that

can be occupied consistently by one direct production worker to accomplish the assigned task on a full time basis. A work position may include more than one location if the worker moves to other locations to accomplish the assigned task.

23. Work Station. The lowest order of equipment/process location that requires separate analysis of work flow and function during the capacity index calculation. It will consist of one or more work positions as determined by the criteria in step 2 of the capacity index calculation in this Handbook.

## CHAPTER 1

### APPLICABILITY AND SCOPE

#### A. PURPOSE AND APPLICATION

##### 1. REISSUANCE AND PURPOSE

This publication reissues Reference (a) to update guidance for a common methodology to measure the capacity and utilization of DoD organic depot maintenance activities that perform depot-level maintenance of military material.

##### 2. APPLICABILITY AND SCOPE

It is to be used by all activities and organizations of the DoD Components responsible for the determination and reporting of capacity and utilization information for organic depot maintenance activities.

The techniques in this Handbook are applicable to both covered and uncovered spaces, as defined in Appendix D, within the confines of the depot maintenance activity. This Handbook does not apply to depot field teams and shops referred to as general shop support in Appendix D. Organic depot maintenance activities and physical capacities established or retained within the DoD Components are to be kept to the minimum necessary to ensure a ready, controlled source of technical competence and resources to meet military requirements (DoDD 4151.18, Maintenance of Military Materiel, reference (b)). These activities, then, are to remain in place to provide

logistical support for war, emergency, and contingency actions, and are to operate in peacetime in a cost-effective manner.

In addition to prescribing calculation methodologies, this Handbook further establishes and outlines reporting criteria for the DoD Components. Such reporting is prescribed to monitor and support the establishment and retention of essential depot maintenance capability as outlined in references

## B. INDEXES AND COMPUTATIONS

This Handbook provides a methodology to calculate depot maintenance activity capacity and utilization from the individual shop level and upward. It establishes DLHs as the basic parameter of capacity, enabling comparisons of capacity and utilization data between activities producing varying product mixes. Expressing capacity in a comparable parameter provides an indication of relative size and levels of utilization. Shop level data expressed in DLHs can then be aggregated to develop higher level indicators. All indicators are presented as indexes due to the inherent general nature of the calculations.

Indexes are composite numbers used to characterize different sets of data in terms of a ratio. Indexes determined in accordance with this Handbook are general indicators rather than precise measures. As index data are aggregated, its significance may decrease. While the indexes are important considerations in making workloading decisions, such decisions must be made as a result of a thorough, detailed analysis of the workloads, facilities, and resources involved.

## CHAPTER 2

### STANDARD FACTORS

#### A. COMPARABLE BASE

An objective of this Handbook is to provide methodologies that promote the calculation of comparable data. To accomplish this it is necessary that the DoD Components use similar factors as the basis of calculations. The Standard Factors identified, in section 2.B., shall be used by the DoD Components to ensure comparable data is developed.

#### B. CALCULATION FACTORS

##### 1. ANNUAL PAID HOURS

For determining annual productive hours and for physical capacity calculations, the annual paid direct labor hours will be 2080 per work position.

##### 2. ANNUAL PRODUCTIVE HOURS

For capacity and utilization index calculations, the annual productive DLHs will be 1615 DLH per work position in all cases except Naval Sea Systems Command (NAVSEA) Naval Shipyard Output Shops (identified in Appendix A), which will use 1537 DLH. The total of 1615 DLH is based on the following calculation:

Annual Paid Hours	2080 DLH
- Holidays	80
- Leave	274
- Indirect Hours	<u>111</u>
Annual Productive Hours	1615 DLH

Shipyard annual productive hours are established at 1537 DLH to reflect the larger training requirements of those activities for direct workers.

### 3. AVAILABILITY FACTOR

The percentage of a work year that work positions can be utilized to accomplish direct productive work is known as the availability factor. It is expressed in its decimal form. This factor may include reductions for facility and equipment nonavailability for reasons such as calibration, maintenance, or repairs of real property and shop equipment, utility failure, unscheduled facility closures, and equipment installation or rearrangement. For capacity and utilization index calculations, the availability factor will be 0.95.

### 4. SHIPWORK DRYDOCK DAYS

For capacity and utilization index calculations, the available shipwork drydock days will be 304 workdays per year (assumes 61 days annually for drydock maintenance and set up time).

### 5. BOTTLENECKS



Capacity for identified bottlenecks should also be calculated on a one shift basis. In managing depot shop operations, the DoD Components shall attempt to eliminate bottlenecks using standard industrial engineering procedures. Where this is not possible, bottlenecks, whether operated on a single- or multi-shift basis, should be used as a pacing factor for workloading all affected shops.

CHAPTER 3

CAPACITY MEASUREMENT

A. CAPACITY INDEX

The capacity index indicates the amount of workload, expressed in actual direct labor hours, that a facility can effectively produce annually on a single shift, 40-hour week basis while producing the product mix that the facility is designed to accommodate. The basic formula for computing the capacity index is:

$$(\text{work positions}) \times (\text{availability factor}) \times (\text{annual productive hours})$$

Individual shop level capacity indexes are calculated and then rolled up to determine the capacity index of a particular facility. After determining the capacity index of a shop, it is appropriate to then identify reserve and excess capacity in relation to actual and planned workloads.

B. SHOP LEVEL CAPACITY INDEX

The following steps outline procedures for calculating a capacity index at the shop level, to include Shipyard Output Shops. The steps are illustrated in the flowchart at Appendix B. The formula is:

$$\begin{aligned} \text{Capacity Index} = \\ (\text{work positions}) \times (\text{availability factor}) \times (\text{annual productive hours}) \\ (0.95) \qquad \qquad \qquad (1615) \text{ or } (1537) \end{aligned}$$

1. Step 1. Obtain detailed shop layouts which identify the function of each shop, its boundaries, and its equipment/work bench locations. Verify and update the layouts to reflect the current product mix. If product mix changes are expected to result in shop reconfiguration(s) during the fiscal year, drawings should be obtained for each specific configuration.

2. Step 2. Determine and identify on the layouts the number of work stations and the work positions in each station. Calculate the number of work positions for each work station. To obtain the number of work positions in the shop, add the totals for the work stations within the shop. Work positions will be identified by the following rationale:

a. If only one person would operate the equipment/process, the work station will include the equipment/process and be recorded as one work position. Examples are: a work station of several pieces of robotic equipment operated by one person; a work station of several pieces of computer aided manufacturing equipment operated by one person; and a tire recapping machine operated by one person. In these instances, although the number of pieces of equipment varies from example to example, there is only one work position because in each case, the work position is operated by one person.

b. If the work station is designed to be operated by more than one person, one work position will be recorded for each person. Examples are engine test cells and radar ranges that are operated by more than one person. In each case, the number of work positions is the maximum number of people by which the work station

is designed to be operated.

c. If, under design conditions, a piece of equipment would only be infrequently utilized, or would support more than one work station, it will not be counted as an individual work position, but will be included in a designated work station and labeled support equipment. Examples are machine shop support equipment such as lathes and drill presses, which support multiple work stations.

d. If an equipment/process is designed to be frequently but not continuously utilized, it should be included as part of a related work position.

e. For the stall/work bay/aircraft dock situation, determine the optimum number of people who can effectively work during each phase of the process cycle. The weighted average over the cycle will equal the work position quantity of the work station. An analysis of product mix and process variations may be necessary to determine this value.

f. Bulk processing work stations such as plating, chemical cleaning, and heat treating shops can be regarded as one work station. The work position count of these stations is the number of persons necessary to effectively man the entire work station.

g. If a position is designed to be manned continuously but is currently vacant because of reduced workload quantity, it shall be counted as a work position.

h. For uncovered areas in which depot maintenance is routinely

performed year round on a parked vehicle such as an aircraft parking apron, the number of work positions is calculated in the same manner as in paragraph B.2.e. above. For uncovered areas in which equipment has been permanently installed, the number work positions will be determined based on the criteria in paragraphs B.2.a. through B.2.g. above.

i. It is recognized that a shop may be reconfigured during the year to accommodate variations in product mix. When this condition exists, the number of work positions for each configuration should be multiplied by the estimated percent of time during the year that the specific configuration will be in place. The resulting products for the different configurations should be added together to arrive at the annual weighted work position count for that shop.

j. Record the number of work positions. When identifying work positions for a future fiscal year, the impact of projected work position changes resulting from programmed Military Construction (MILCON) projects, shop reconfigurations, divestitures, changes in product mix, etc., must be taken into account.

3. Step 3. Multiply the result of Step 2 above by the Availability Factor.
4. Step 4. Multiply the product of Step 3 above by the applicable annual productive hour rate.
5. Step 5. Identify the shop reserve capacity index, if any, as outlined in Paragraph 3.F.
6. Step 6. Subtract the reserve capacity index from the result obtained in

Step 4 to determine the shop capacity index.

7. Step 7. Record the shop capacity index and reserve capacity index. Assign a production shop category, from Appendix D, to the shop.

### C. SHOP LEVEL PHYSICAL CAPACITY INDEX

The following steps outline procedures for calculating a physical capacity index at the shop level. The formula is:

$$\text{Physical Capacity Index} = \\ (\text{work positions}) \times (\text{availability factor}) \times (\text{annual paid hours})$$

1. Step 1. Determine work position count as outlined in Steps 1-2 above.
2. Step 2. Multiply the work position count by the Availability Factor.
3. Step 3. Multiply the product of Step 2 by the annual paid hours to obtain the shop physical capacity index.

### D. DEPOT CAPACITY INDEX

For each depot maintenance activity, add the appropriate capacity indexes of the individual shops to obtain a total depot capacity index, as portrayed in Step 8 of Appendix B.

### E. NAVAL SHIPYARD CAPACITY INDEXES

Due to the unique nature of shipyard work (i.e., counting of work positions onboard ship is impractical), the capacity of naval shipyards will be expressed in terms of a Drydock Capacity Index and the capacity index of the Shipyard Output Shops. The formula for the drydock capacity index is:

$$\text{Drydock Capacity Index} = (\text{number of drydocks}) \times (\text{shipwork drydock days})$$

The capacity index data for Naval Shipyard Output Shops, as calculated using the procedures above for the shop level capacity index or physical capacity index, in conjunction with the drydock capacity index reflect the productive capacity of a naval shipyard.

#### F. RESERVE CAPACITY INDEX

Some available capacity may be identified and classified as reserve capacity. Rationale for retention of this capacity, which is not being utilized, shall be developed by the DoD Components. Reserve capacity may be retained for reasons of military necessity or as sound business practice. Reserve capacity shall be expressed as an index in DLHs, at shop and depot activity levels.

##### 1. IDENTIFICATION

Identification of Reserve Capacity should be accomplished primarily at the shop level and should be specific. Retention of reserve capacity should be for sound reasons such as:

a. Military Necessity

(1) Needed to support surge or CORE requirements.

(2) Needed to provide responsiveness during national emergencies short of wartime.

(3) Needed to support battle/crash/in-service damage repair requirements.

(4) Needed to support executable mission requirements that are currently unfunded.

(5) Needed to support Foreign Military Sales requirements or commitments.

b. Sound Business Practice

(1) Retained because divestiture would be uneconomical.

(2) Needed to accommodate workload fluctuations, since capacity cannot be obtained or divested in amounts equal to workload fluctuations. Minimum capacity for all workloads in the assigned product mix must be retained.

(3) Retained to ensure smooth workflow and prevent shop-to-shop backlogs.



(4) Retained as part of a quality or productivity oriented management strategy (e.g. Just in time).

(5) Needed to accommodate a known future requirement or competition.

## 2. RECORDING

Reserve capacity will be separately identified by shop and attributed to the categories (in section 3.F.1) or to other specific rationale as approved by the Military Department managing the Depot Activity. In identifying reserve capacity, the following information will be recorded: depot, shop name, direct labor hours of reserve capacity, and the reason the capacity is retained.

## G. EXCESS CAPACITY

This is available capacity for which no requirement exists. Excess capacity will be separately Identified by shop, and the following information will be recorded: depot, shop name, and direct labor hours.

CHAPTER 4

UTILIZATION MEASUREMENT

A. UTILIZATION INDEX

The Utilization Index is an indicator, expressed as a percentage, of the degree of alignment of workload to the designed capacity of a shop or depot after allowing for necessary Reserve Capacity. The fundamental formula underlying the utilization index is:

$$\text{Utilization Index} = \frac{\text{(Workload)}}{\text{(Capacity Index) - (Reserve Capacity Index)}} \times 100 = \_\_\%$$

This index reflects utilization of capacity that is maintained to satisfy current or planned workload requirements. Therefore it recognizes that some reserve capacity may be maintained for military or sound business practice reasons. Since there are various workloads and capacity indexes, utilization indexes are more specifically defined by four formulas.

B. PEACETIME UTILIZATION INDEX

The Peacetime Utilization Index is an indicator, expressed as a percentage, of the degree of alignment of funded, planned, or actual workload to the designed capacity of a shop or depot. The formula for the Peacetime Utilization Index is:

$$\frac{\text{Funded Workload}}{(\text{Capacity Index}) - (\text{Reserve Capacity Index})} \times 100 = \text{ \_\_\_\_\_\_ } \%$$

The peacetime utilization index will be computed for each depot for the most recent actual (completed), current, and 3 planning years and may be computed for prior years and the Future Years Defense Program (FYDP) outyears. In this context, funded workload is:

- recent actual/ - actual executed workload prior
- prior years (per DoD 7220.9-M, reference (c))
- current year - current year estimate
- planning/outyears - FYDP at the time of Service Program  
Objective Memorandum (POM) submission

C. MISSION UTILIZATION INDEX

The Mission Utilization Index is an indicator, expressed as a percentage, of the degree of alignment of executable requirements to the designed capacity of a shop or depot. The mission utilization index will be computed for each depot for applicable planning year(s). Executable requirements are requirements that could be executed if funds were available. For calculating the mission utilization index, the executable requirements identified in the Service POMs will be used. The formula for the Mission Utilization Index is:

$$\frac{\text{Executable Requirements}}{\text{Capacity Index}} \times 100 = \text{___}\%$$

D. MOBILIZATION UTILIZATION INDEX

The Mobilization Utilization Index is an indicator, expressed as a percentage, of the degree of alignment of mobilization requirements to the designed physical capacity of a shop or depot. The Mobilization Utilization Index will be computed for each shop for the mobilization planning year. Mobilization requirements are requirements that would generate in the event of a given mobilization scenario. The mobilization requirements for a given period, as computed in the DoD Component depot maintenance posture plan, are divided by the physical capacity index for the same period to calculate the mobilization utilization index and then expressed as a percentage. The formula for the Mobilization Utilization Index is:

$$\frac{\text{Mobilization Requirements}}{\text{Physical Capacity Index}} \times 100 = \text{___}\%$$



CHAPTER 5

INFORMATION REQUIREMENTS

A. RECORDS

The DoD Components shall identify the level and location for retention of records regarding capacity and utilization data. As a minimum the following records should be maintained for review and validation of capacity and utilization determination:

1. Shop drawings for each shop configuration designating work positions, work station locations, and support equipment.
2. Capacity index calculations, including depot level capacity index data sorted by production shop category.
3. Identification and classification of reserve capacity along with supporting justification.
4. Identification of excess capacity.
5. Utilization calculation results as shown in Appendix C.
6. A depot summary of current capacity index and utilization index data as shown on the format at Appendix C.

## B. REPORTING REQUIREMENTS

The reporting requirements defined in this section are designed to provide the Department of Defense with capacity and utilization data on organic depot maintenance activities. Data for each activity required to determine capacity and utilization data by Appendix D and this Handbook shall be reported by the respective DoD Components.

1. Each DoD Component shall maintain, in a central location, the data reported under this section in the format defined in Appendix E. A fiscal year and hard copy report in that format shall be submitted to the Deputy Under Secretary of Defense (Logistics), Attention: Assistant Deputy Under Secretary of Defense (Maintenance Policy, Programs and Resources), within 90 days of the end of the fiscal year. Reporting requirement symbol DD-A&T (AR)XXXX is assigned to this reporting requirement.

2. Capacity data reporting systems shall be designed to provide an audit trail from the depot maintenance activity fiscal year end report to the shop capacity records and data.

3. As an integral part of the edit process on the report, a review shall be performed by maintenance or logistics experts to determine the accuracy, completeness, and reasonableness of the data being submitted. The report shall include a narrative analysis of significant changes, developments, information or trends portrayed by the report. The transmittal memorandum for the report shall identify a point of contact for

issues and questions relating to the data being reported.

4. Any one-time or additional reports required shall be prescribed by the Office of the Deputy Under Secretary of Defense (Logistics).

5. Reporting shall cover a period of the most recent actual (completed) fiscal year, the current (operating/budget) year and one planning year. Data for the planning year should reflect the impact of projected capacity changes resulting from programmed MILCON projects, shop reconfigurations, divestitures, changes in product mix and other related factors. Significant changes should be addressed in the Comments Section of the Report. Specific plans for excess capacity should also be addressed.



APPENDIX A

SHIPYARD PRODUCTION CATEGORIES OUTPUT SHOPS

Electronics

Machine Shop (Inside)

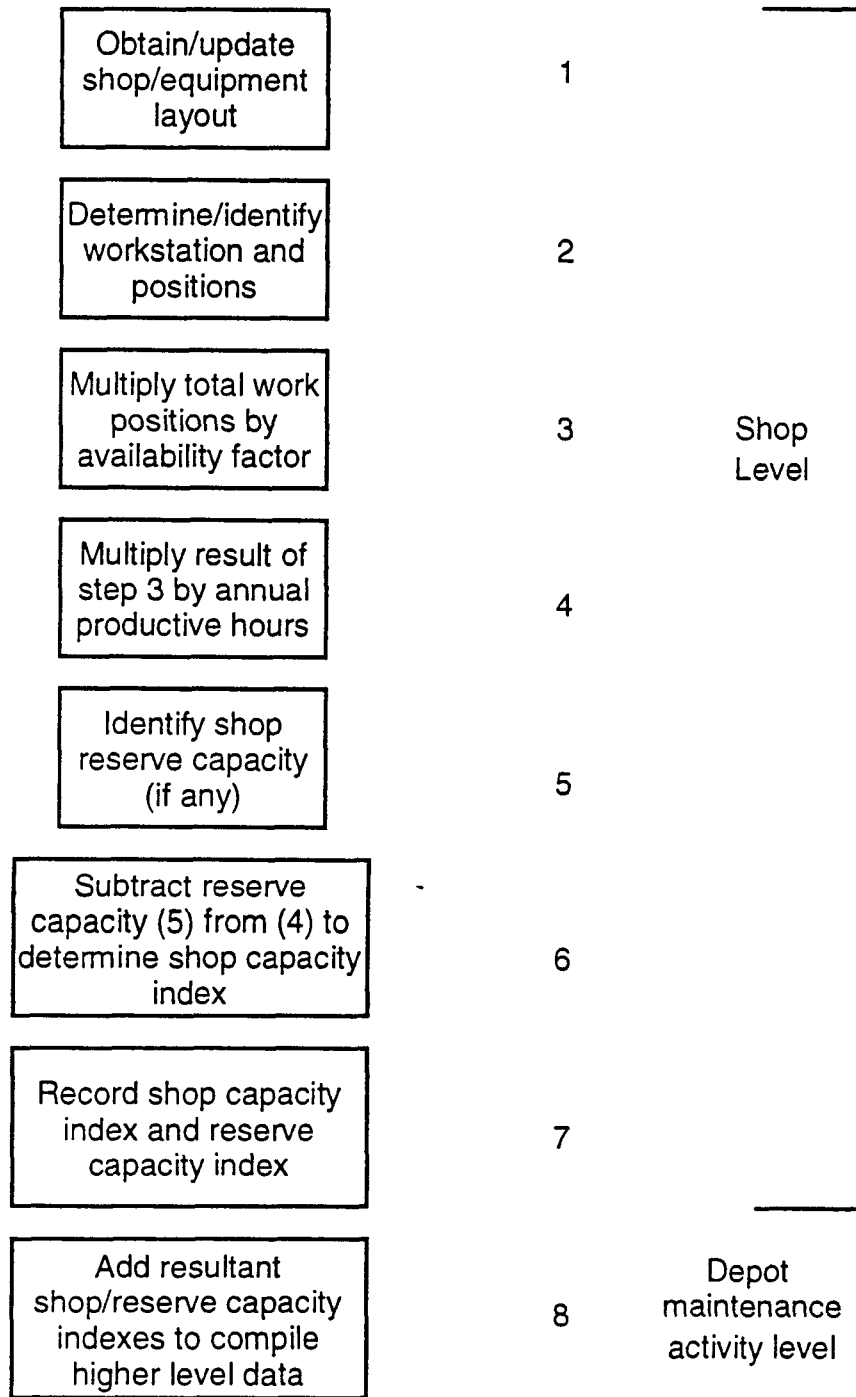
Foundry

Forge

Reparable Work Centers

APPENDIX B

CAPACITY INDEX DETERMINATION FLOW CHART



APPENDIX C

DEPOT CAPACITY/UTILIZATION SUMMARY SHEET

As of: \_\_\_\_\_

	DoD Fiscal Years				
	Past Actual	Current Year	Plan Year 1	Plan Year 2	Plan Year 3
Total Depot Capacity Index (DLH)					
Reserve Capacity Index (DLH)					
Funded Workload (DLH)					
Executable Requirements (DLH)					
Peacetime Utilization Index	%	%	%	%	%
Mission Utilization Index			%	%	%

NOTE: Capacity data for planning years should reflect the impact of projected capacity changes resulting from programmed MILCON projects, shop reconfigurations, divestitures, changes in product mix, etc.

## APPENDIX D

### PRODUCTION SHOP CATEGORIES

The production shop categories are grouped by major commodity. A single depot maintenance activity may perform work on more than one commodity. For example, one depot may perform work on aircraft and strategic missiles. Production shop categories from both the aircraft and missile groups may be used. If a shop is established to work on missile motors, the "missile motors" production shop category would be used. On the other hand, if the missile guidance systems are worked in a shop engaged primarily in aircraft electronics maintenance, the shop category for aircraft electronics will be used. This is the case because work is programmed into the activities by shop.

#### I. AIRCRAFT PRODUCTION SHOP CATEGORIES

A. Airframe. Covered areas associated with processing the airframe under those programs commonly identified as progressive aircraft rework, IRAN, maintenance, crash damage repair and/or overhaul, modernization, modification, etc. The work functions include stripping, disassembly, airframe repair, reassembly, systems check, and refinishing.

B. Engine. Covered areas associated with processing jet, turbojet, and reciprocating type aviation engines in terms of overhaul, low time, complete repair, and major inspection. The work functions include uncanning,

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disassembly, cleaning, metals examination, examination and evaluation, parts reconditioning, subassembly, final assembly, test and preservation.

C. Accessories and Components. Covered areas associated with processing airframe and engine accessories such as surfaces, hydraulic components, electrical equipment, pneumatics equipment, landing gear, fuel accessories, propellers, airborne photographic equipment, instruments, etc.

D. Electronic, Communication, and Armament Systems. Covered areas associated with processing airborne communication, navigation equipment, airborne data computers, fire control, and bombing system equipment, etc., used by the aircraft in carrying out its assigned mission.

E. Armament. Covered areas associated with processing weapons, guns, and missiles used by the aircraft in carrying out its assigned mission.

F. Support Equipment. Covered areas associated with processing aviation general and special support equipment and aerospace ground equipment. Processing includes calibration.

G. Manufacture and Repair. Covered areas which are not an integral part of other categories previously prescribed, and which contribute to aircraft repair operations by such work functions as parts cleaning; painting and plating; parachute, ordnance, photographic, leather, and fabric repair; machine and metal repair and fabrication; etc.

H. Test and Calibration Area. That space, either covered or uncovered, which is used to test, trim, or calibrate engines, electronics, communications or armament systems. The equipment can be either installed on the aircraft or on special test stands. General ramp area will not be included in the area.

I. Other. Those areas used to perform productive work that are not included in categories A. through H., above. Includes ramp, apron, aircraft storage sites, work performed away from facility by field teams, etc.

J. General Shop Support. Those covered spaces which are second in providing general support to all aircraft production operations. General support includes functions such as management, supervision, engineering, clerical functions, plant maintenance, central or general storage, quality assurance, and materials testing. This category includes offices, cafeterias, supervisors' work space, shop parts storage areas, main aisles, wash and dressing areas, dispatching facilities, inspection facilities, etc., that are an integral part of shop areas defined above.

## II. MISSILE PRODUCTION SHOP CATEGORIES

A. Missile Frame. Covered areas associated with processing the missile frame, interstage connection, or raceways. The work functions include damage repair, overhaul, modernization, modification, disassembly, reassembly, and systems check.

B. Missile Motors. Covered areas associated with processing solid or liquid propellant and vernier motors for overhauling complete repair, examination of propellant, major inspection and modification. The work functions include disassembling, cleaning, propellant examination and evaluation, parts reconditioning, subassembly, final assembly, test and calibration.

C. Guidance System and Components. Covered areas associated with processing components of missile guidance systems, stable platforms, flight controls, in-flight monitoring, computers, and infrared systems.

D. Payload System. Covered areas associated with processing components of reentry vehicles, warheads, etc.

E. Accessories and Components. Covered areas associated with processing components of fuel control, hydraulic, electrical, pressurization and arming and fusing systems.

G. Launch Equipment. Covered areas associated with processing components of systems used to launch missiles. Includes erectors, elevators, mobile transporters and launch platforms.

H. Support Equipment. Covered areas associated with processing components of aerospace ground, special, or general support equipment. Processing includes calibration.

I. Manufacture and Repair. Covered areas which are not an integral part of other categories previously described, and which contribute to the missile repair operation by such work functions as parts cleaning, painting, metal repair and fabrication.

J. Test and Calibration Area. Those spaces either covered or uncovered which are used to test or calibrate missile motors, and guidance and control systems. These can be either installed on the missile, missile transporter, or on special test stands.

K. Other. Those areas where productive work is performed that are not included in categories A. through J., above. These include outside areas and work performed "on site" by field teams, etc.

L. General Shop Support. Those covered spaces which are used in providing general support to all missile production operations. General support includes functions such as management, supervision, engineering, clerical functions, plant maintenance, central or general storage, quality assurance, and materials testing. This category includes offices, cafeterias, libraries, supervisors' work space, shop parts storage areas, main aisles, wash and dress areas, dispatching facilities, inspection facilities, etc., that are an integral part of shop areas defined above.

### III. SHIP PRODUCTION SHOP CATEGORIES

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A. Central Tool Shop

1. Covered areas associated with design, development and manufacture of prototype and conventional tooling such as cutting machines, dies, molds, cutters, jigs, fixtures, and special tools. Maintains calibration laboratory and operates the mechanical calibration program.

2. Other areas associated with the above.

B. Shipfitting

1. Covered areas associated with accomplishment of the fairing and development of ship body plans and hull forms; and the fabrication, erection, and installation of all hull strength structure, superstructure, access items, foundations, stowages, fittings, etc., for naval vessels and systems.

2. Other areas associated with the above.

C. Sheetmetal

1. Covered areas associated with: (a) fabricating and installing: ventilation and air conditioning duct work; storeroom, workshop, and stowage facilities; nonstructural bulkheads and partitions; and label plates; and (b) outfitting of galley, berthing, habitability and office spaces for naval vessels.

2. Other areas associated with the above.

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D. Forge and Heat Treat

1. Covered areas associated with heat treating, drop forging, hand forging, and other hot working of ferrous and nonferrous metals; manufacture of heavy forgings, rings, flanges, struts, and ships' miscellaneous heavy forgings; and drop forging piping fittings of certified quality for nuclear work.

2. Other areas associated with the above.

E. Welding

1. Covered areas associated with welding, flame cutting, carbon arc gauging, and related processes. In addition to the major involvements of cutting and welding the various structural, sheetmetal, and piping materials, work functions include repair of castings; cobalting of valves; hard-surfacing of materials subjected to abrasive wear; shooting and welding studs and fasteners; metal spraying; silver soldering; casting, bonding, and welding of lead shielding; and stress relieving of shipboard weldments.

2. Other areas associated with the above.

F. Inside Machining

1. Covered areas associated with: horizontal boring mill, vertical boring mill, planner and heavy lathe work in manufacturing, alteration, and repair of shop

machinery and shipyard manufactured items; engine lathe, horizontal and vertical turret lathe, boring, facing, and turning work; milling, grinding, hobbing, broaching, shaping, slotting, lapping, honing, and balancing work; layout work and drilling on castings and fabrications; disassembly, inspection, repair, reassembly, and testing of main propulsion units, pumps, valves, turbines, air compressors, propellers, and miscellaneous auxiliary machinery; assembly of new manufactured equipment; and metal finishing processes including electroplating, dalic plating, galvanizing and metal polishing.

2. Other areas associated with the above.

#### G. Weapons

1. Covered areas associated with the repair, overhaul, alignment, installation, check out, test and calibration of all weapon systems and integrated systems, such as missile systems and associated components (gun mounts, turrets, saluting batteries, launching pads, components of fire control and fire control radar antennas). Work functions include repair, overhaul, calibration, adjustments and testing of gunsights, range finders, torpedo directors, telescopic gunsights, periscopes, binoculars, stereo trainers, and other miscellaneous repair of instruments, etc.

2. Other areas associated with the above.

#### H. Marine Machining

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1. Covered areas associated with: (a) the removal, installation and testing of all main propulsion machinery, auxiliaries, rudders, shafting, sea valves, deck machinery, laundry and galley, arresting gear, and catapults on ships under construction or undergoing repair and conversion; (b) repairs, installations, and necessary tests on main and auxiliary diesel engines and associated equipment, ammunition hoists, and hydraulic speed gears on ships; and (c) refueling, repairing, and testing nuclear reactor plants and associated systems and components.

2. Other areas associated with the above.

#### I. Boilermaking

1. Covered areas associated with the repair, conversion, or building of steam generating equipment used to furnish steam to main and auxiliary machinery. Work functions include: the fabrication, assembly, installation, test, cleaning, and repair of the steam generators, uptakes, stacks, and blower ducts; and the fabrication, repair, and test of pressure vessels, incinerators, and spark arrestors.

2. Other areas associated with the above.

#### J. Electrical

1. Covered areas associated with: the installation, repair, maintenance, alteration, troubleshooting, and test of all power, lighting, and interior communication systems and equipment aboard naval ships and submarines; manufacture of switchboards, electrical control equipment, and components; the installation, repair, and alteration of nuclear electrical components and systems; submarine battery assembly, overhaul, and installation; repair and calibration of all electrical instrumentation; and installation, repair, and test of gyrocompass.

2. Other areas associated with the above.

#### K. Pipefitting

1. Covered areas associated with: the layout, fabrication, installation, dismantling, repairs, cleaning, testing, inspection, stress relieving of piping systems including nuclear systems; fabrication, installation, and repair of insulation and lagging on piping, machinery, vent ducts, bulkheads, and decks; fabrication, repair, and installation of radar waveguide; lead lining and burning of piping, tanks, boxes, and other projects; and installation, repair, and test of refrigeration, air conditioning, and oxygen-nitrogen systems.

2. Other areas associated with the above.

#### L. Woodworking

1. Covered areas associated with operations performed by boatbuilders, woodcraftsmen, and shipwrights in constructing and repairing wooden and

plastic boats, wooden portable buildings and shelters, hollow booms, wooden tanks, practice torpedoes and flight deck panels; repairing and manufacturing furniture and cabinets; laminating all sizes of wooden members; manufacturing or repairing accommodation ladders; performing dikiln operations; repairing and installing wooden decks; erecting pipe stagings and lifelines; fabricating and installing boat storages; building shipping cradles, shoring and blocking cargo aboard ships; manufacturing and repairing wooden gangways and platforms; manufacturing plastic items such as pipe, radomes, fairwaters, tanks, antenna cones, and submarine fairing plates; making resin foam pours in voids and performing grouting operations; installing and repairing plastic laminates and hull damping materials on naval vessels; installing polyethylene shielding around nuclear reactors; providing reference lines used in construction, repair, and alteration of types of ships; taking measurements, heights and locations ships' characteristics; and installing linoleum, rubber, asphalt, and ceramic tile.

2. Other areas associated with the above.

#### M. Electronics

1. Covered areas associated with accomplishing installation, pair, overhaul, modification, check out, adjustment, test, calibration of radar, sonar, communications, cryptograph, data processing, antennas, navigation, and electronic countermeasure equipment and systems on and for surface and submarine vessels and shore stations. Also, covered areas associated with the repair, calibration, and certification of electronic and nuclear instruments for shipyard, ships, and shore activities.

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2. Other areas associated with the above.

N. Painting and Blasting

1. Covered areas associated with the surface preparation for and application or installation of protective, decorative, and functional paints, coatings, films; and deck, floor and wall coverings. Work functions include design, layout, lettering, and making of signs and posters; silk screen processing; artificial and natural wood graining and finishing; all types of painting and preservation on board ship; operation of pickling and chemical cleaning plant for preservation of material; abrasive blasting services; and the laying or installation of terrazzo, magnesite, and concrete.

2. Other areas associated with the above.

O. Rigging

1. Covered areas associated with the operations performed by riggers, sailmakers, tank and component cleaners, laborers, upholsterers, fabric workers, and divers required for repair, overhaul, conversion, and construction of naval vessels and equipment.

2. Other areas associated with the above.

P. Foundry

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1. Covered areas associated with manufacturing cores for iron, steel, and nonferrous castings; preparing and mixing sand, processing and making molds, melting steel, pouring steel, and shaking out steel castings from molds after pouring; melting and pouring nonferrous metals and alloys, processing and making molds for brass castings, and shaking out nonferrous castings; processing and making molds for iron castings, melting iron-alloys, pouring iron, and shaking out iron castings from molds; cleaning castings; and shipping finished castings.

2. Other areas associated with the above.

Q. Patternmaking

1. Covered areas associated with the manufacture, repair, and alteration of wood patterns required to produce castings; manufacture of metal parts for wood and plastic patterns and metal patterns; manufacture of mock-ups for patterns; manufacture from sheet plastic by forming, fabrication, cementing, and dyeing; manufacture of plastic patterns; and receiving, storing and issuing pattern mock-ups, and models.

2. Other areas associated with the above.

R. Temporary Services



1. Covered areas associated with electrical, piping, and ventilation systems as related to temporary services. Temporary services include compressed air, water, steam, oxygen, electrical power and lighting, ventilation, telephones, inerting, air analysis, shipside sewage connections, communications systems, distilled water for ships' boilers, CO2 fire extinguishers, static dehumidification, electric, steam, and induction heat; besides responsibility for radioactive waste collection systems, delivery and distribution of pure water systems, distribution of electric power (supply from shore to 11,000 amps), breathing air systems for reactor plants, chilled water and air conditioning systems, filtering for reactor plants, ventilation systems, communications systems involved in nuclear refueling operations, and deoxygenating pure water nitrogen systems.

2. Other areas associated with the above.

S. Other. Those areas where productive work is performed that are not included in categories A. through R., above. These include work performed "on site" by field teams, etc.

T. General Shop Support. Those covered spaces which are used in providing general support to all ship production operations. General support includes functions such as management, supervision, engineering, clerical functions, plant maintenance, central or general storage, quality assurance, and materials testing. This category includes offices, cafeterias, libraries, supervisors' work space, shop parts storage areas, main aisles, wash and dressing areas, dispatching facilities, inspection facilities, etc., that are an integral part of shop areas defined above.

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#### IV. COMBAT VEHICLE PRODUCTION SHOP CATEGORIES

A. Hull/Body, Frame and Installed Systems. Covered areas utilized for depot maintenance of complete vehicles. Work functions include repair, overhaul, rebuild, etc., cleaning, disassembly, reassembly, refinishing, and systems check.

B. Engine. Covered areas utilized for depot maintenance of engines and power trains. Work functions include disassembly, cleaning, examinations, parts reconditioning or replacement, subassembly, final assembly, test and preservation.

C. Accessories and Components. Covered areas utilized for depot maintenance of hull/body, frame, installed systems, engine and power train accessories and components.

D. Electronics and Communications. Covered areas utilized for depot maintenance of vehicular communication and fire control equipment.

E. Armament. Covered areas utilized for depot maintenance of vehicle arms, including special weapons, artillery, guns, and launchers.

F. Support Equipment. Covered areas associated with processing of vehicle general and special support equipment, including calibration functions.

G. Manufacture and Repair. Covered areas which are not an integral part of other categories previously prescribed, and which contribute to the vehicle repair operation by such work functions as parts cleaning; painting and plating; leather and fabric repair; machine and metal repair; fabrication, etc.

H. Test and Calibration Area. Those areas, either covered or uncovered, which are used to test, check out or calibrate engines, power trains, electronics, communication, fire control and armament systems. These can be installed on the vehicle or on special test stands.

I. Other. Those areas used to perform productive work that are not included in categories A. through H., above. Includes work performed in other than covered areas and that performed away from the facility by field teams, etc.

J. General Shop Support. Those covered areas which are used in providing general support to all vehicle production operations. General support includes such functions as management, supervision, engineering, production control, clerical functions, plant maintenance, central or general storage, quality assurance, and materials testing, etc. This category includes offices, cafeterias, libraries, supervisor's work space, shop parts storage areas, main aisles, wash and dressing areas, dispatching facilities, inspection facilities, etc., that are an integral part of shop areas defined above.

## V. AUTOMOTIVE EQUIPMENT PRODUCTION SHOP CATEGORIES

A. Hull/Body, Frame, and Installed Systems. Covered areas utilized for depot maintenance of complete vehicles. Work functions include repair, overhaul, rebuild, etc., cleaning, etc., cleaning, disassembly, reassembly, refinishing, and systems check.

B. Engine. Covered areas utilized for depot maintenance of engines and power trains. Work functions include disassembly, cleaning, examinations, parts reconditioning or replacement, subassembly, final assembly, test and preservation.

C. Accessories and Components. Covered areas utilized for depot maintenance of hull/body, frame, installed systems, engines and power train accessories and components.

D. Electronics and Communications. Covered areas utilized for depot maintenance of vehicular communication and fire control equipment.

E. Armament. Covered areas utilized for depot maintenance of vehicle arms, including special weapons, artillery, guns, and launchers.

F. Support Equipment. Covered areas associated with processing of vehicle general and special support equipment, including calibration functions.

G. Manufacture and Repair. Covered areas which are not an integral part of other categories previously prescribed, and which contribute to the vehicle

repair operation by such work functions as parts cleaning; painting and plating; leather and fabric repair; machine and metal repair; fabrication; etc.

H. Test and Calibration Area. Those areas, either covered or uncovered, which are used to test, check out or calibrate engines, power trains, electronics, communication, fire control and armament systems. These can be installed on the vehicle or on special test stands.

I. Other. Those areas used to perform productive work that are not included in categories A. through H., above. Includes work performed in other than covered areas and that performed away from the facility by field teams, etc.

J. General Shop Support. Those covered areas which are used in providing general support to all vehicle production operations. General support includes such functions as management, supervision, engineering, production control, clerical functions, plant maintenance, central or general storage, quality assurance, and materials testing, etc. This category includes offices, cafeterias, libraries, supervisors' work space, shop parts storage areas, main aisles, wash and dressing areas, dispatching facilities, inspection facilities, etc., that are an integral part of shop areas defined above.

## VI. CONSTRUCTION EQUIPMENT PRODUCTION SHOP CATEGORIES

A. Hull/Body, Frame, and Installed Systems. Covered areas utilized for depot maintenance of complete vehicles. Work functions include repair,

overhaul, rebuild, etc., cleaning, disassembly, reassembly, refinishing, and systems check.

B. Engine. Covered areas utilized for depot maintenance of engines and power trains. Work functions include disassembly, cleaning, examinations, parts reconditioning or replacement, subassembly, final assembly, test and preservation.

C. Accessories and Components. Covered areas utilized for depot maintenance of hull/body, frame, installed systems, engine, and power train accessories and components.

D. Support Equipment. Covered areas associated with processing of construction equipment general and special support equipment, including calibration functions.

E. Manufacture and Repair. Covered areas which are not an integral part of other categories previously prescribed, and which contribute to the construction equipment repair operation by such work functions as parts cleaning; painting and plating; leather and fabric repair; machine and metal repair; fabrication, etc.

F. Other. Those areas used to perform productive work that are not included in categories A. through E., above. Includes work performed in other than covered areas and that performed away from the facility by field teams, etc.

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G. General Shop Support. Those covered areas which are used in providing general support to all vehicle production operations. General support includes such functions as management, supervision, engineering, production control, clerical functions, plant maintenance, central or general storage, quality assurance, and materials testing, etc. This category includes offices, cafeterias, libraries, supervisors' work space, shop parts storage areas, main aisles, wash and dressing areas, dispatching facilities, inspection facilities, etc., that are an integral part of shop areas defined above.

## VII. ELECTRONICS AND COMMUNICATIONS PRODUCTION SHOP CATEGORIES

These shop categories are those associated with processing subsystems and components of electronic and communications systems which are not an integral part of another weapon or support system, but which are end item systems or nets within themselves, i.e., L Systems, STARCOM, etc.

A. Radio. Covered areas associated with processing radio equipment for overhaul, repair, conversion, and modification that are required in support of fixed, mobile, and portable electronic and communications systems. Categories of equipment include communication, control, navigation, auxiliary, relay, microwave, television, and radiological. Work functions include disassembly, inspection, cleaning, repair, parts reconditioning/replacement, manufacture, calibration, reassembly and test.

B. Radar. Covered areas associated with processing radar equipment for overhaul, repair, and modification that are required in support of fixed, mobile,

and portable electronic and communication systems. Radar equipment categories include navigation, search, surveillance, height finding and identification. Work functions include disassembly, inspection, cleaning, repair, parts reconditioning/replacement, manufacture, calibration, reassembly, test and alignment.

C. Wire and Communications. Covered areas associated with processing wire and communications equipment for overhaul, repair, conversion, rehabilitation and modification that are required in support of fixed, mobile, and portable electronic and communications systems. Wire and communications categories of equipment include teletype facsimiles, telephone and telegraph, intercom and public address systems, sound recording and reproduction, visible and invisible light communication and cryptological.

D. Other Communications and Electronic Equipment. Covered areas associated with processing other electrical and electronic components which are not associated with the support for fixed, mobile and portable electronic and communications systems. Categories of equipment include electric wire, power, and distribution equipment; alarm and signal systems; communication type instruments and laboratory equipment; ground photographic and photographic laboratory equipment; and training aids and devices.

E. Manufacture and Repair. Covered areas which are not an integral part of other categories prescribed herein, but which contribute to the accomplishment of maintenance operations associated with the previously defined categories. Included are painting, plating, cleaning, welding, machine



shop operations, metal and woodworking, canvas and upholstery repair, and plastic, graphic arts, and other repair of fabrication efforts associated with the electronic and communications effort.

F. Test and Calibration. Those areas, either covered or uncovered, which are used to test, calibrate, or align electronic and communications subsystems and components.

G. Support Equipment. Covered areas associated with processing general and special support equipment used in the maintenance of electronics and communications fixed, mobile, and portable systems.

H. Other. Those areas used to perform productive work that are not included in categories A. through G., above. This includes work performed away from the facility, by field teams, etc.

I. General Shop Support. Those covered areas which are used in providing general support to electronics and communication production operations. General support includes functions such as management, supervision, engineering, clerical functions, quality assurance, and materials testing. This category includes offices, cafeterias, supervisors' work space, shop parts storage areas, main aisles, wash and dressing areas, dispatching facilities, inspection facilities, libraries, etc., that are an integral part of shop areas defined above.

VIII. ORDNANCE, WEAPONS AND MUNITIONS PRODUCTION SHOP  
CATEGORIES

A. Nuclear Weapons. Covered areas associated with renovation, modification, repair, inspection, test, assembly, disassembly, and demilitarization of nuclear weapons and nuclear weapon material.

B. Chemical and Bacteriological. Covered areas associated with renovation, modification, repair, inspection, test, assembly, disassembly, and demilitarization of chemical and bacteriological weapons and associated material.

C. Artillery and Guns. Covered areas associated with renovation, modification, repair, inspection, test, assembly, disassembly, and demilitarization of artillery and guns, including mortars, howitzers, bazookas and other weapons that are not self-propelled.

D. Small Arms. Covered areas associated with renovation, modification, repair, inspection, test, assembly, disassembly, and demilitarization of small arms, including all hand-held weapons, bayonets, and associated material.

E. Conventional Arms and Explosives. Covered areas associated with renovation, modification, repair, inspection, test, assembly, disassembly, and demilitarization of all items of conventional ammunition and explosives, including bombs, grenades, weapon warheads, rockets, mines, torpedoes, pyrotechnics, fuses, primers, etc.

DRAFT

-D23-

F. Others. Those areas used to perform productive work that are not included in categories A. through E., above. Includes work performed in outside areas such as demolition and test and away from the production facility by field teams.

G. General Shop Support. Those covered areas which are used in providing general support to ordnance, weapons and munitions production operations. General support includes functions such as management, supervision, engineering, clerical functions, central or general storage, quality assurance, and check and test. This category includes offices, cafeterias, supervisors' work space, shop parts storage areas, main aisles, wash and dressing areas, dispatch points, inspection facilities, etc., that are an integral part of shop areas defined above.

## IX. GENERATOR SET PRODUCTION SHOP CATEGORIES

A. Assembly/Disassembly. Covered areas associated with the assembly and disassembly of fixed and mobile generator sets.

B. Generator. Covered areas associated with the depot maintenance of generators. Work functions include disassembly, cleaning, examination, parts reconditioning, assembly, test and preservation.

C. Engine. Covered areas associated with the depot maintenance of engines. Work functions include disassembly, cleaning, examinations, parts reconditioning, assembly, test and preservation.

D. Accessories and Components. Covered areas associated with processing generator and engine accessories and components.

E. Support Equipment. Covered areas associated with processing generator set general and special support equipment, including calibration functions.

F. Manufacture and Repair. Covered areas which are not an integral part of other categories previously prescribed, and which contribute to generator set repair operations by such work functions as painting and plating; rubber products fabrication and repair; machine and metal repair and fabrication; etc.

G. Test and Calibration Area. Those areas, either covered or uncovered, which are used to test or calibrate engines and generators. The equipment can be either installed on the chassis or on special test stands.

H. Other. Those areas used to perform productive work that not included in categories A. through F., above. Includes work performed in other than covered facilities and away from the facility by field teams, etc.

I. General Shop Support. Those covered spaces which are used in providing general support to all generator set production operations. General

support includes functions such as management, supervision, engineering, clerical functions, plant maintenance, central or general storage, quality assurance, and materials testing. This category includes offices, cafeterias, supervisors' work space, shop parts storage areas, main aisles, wash and dressing areas, dispatching facilities, inspection facilities, etc., that are an integral part of shop areas defined above.

#### X. GENERAL PURPOSE EQUIPMENT PRODUCTION SHOP CATEGORIES

A. Rail Equipment. Covered areas associated with processing locomotives, rolling stock, and their associated accessories and components and supporting equipment. Work functions include cleaning, stripping, disassembly, repair, overhaul, reassembly, and test.

B. General Purpose Maintenance Tooling and Equipment. Covered areas associated with processing, metal cutting, wood working, general purpose test equipment, tools and fixtures. Work functions include cleaning, disassembly, parts rework, repair, modification, reassembly, and check and test.

C. Other. That area used to perform productive work on general purpose equipments not included in categories A. through B., above. Includes work performed in outside areas and away from the production facility by field teams.

D. General Shop Support. Those covered areas which are used in providing general support to all general purpose equipment production operations. General support includes function such as management,

supervision, engineering, clerical functions, central or general storage, quality assurance, and check and test. This category includes offices, cafeterias, supervisory work space, shop parts storage areas, main aisles, wash and dressing areas, dispatch points, inspection facilities, etc., that are an integral part of shop areas defined above.

APPENDIX E

CAPACITY AND UTILIZATION FORMAT

Reporting Component /Command: \_\_\_\_\_

	FY	(Depot Name)	(Depot Name)	(Depot Name)	(Depot Name)
Total Depot Capacity Index (DLH)					
Past Year Actual	FY ____				
Current Year	FY ____				
Plan Year	FY ____				
Reserve Capacity Index (DLH)					
Past Year Actual	FY ____				
Current Year	FY ____				
Plan Year	FY ____				
Excess Capacity (DLH)					
Past Year Actual	FY ____				
Current Year	FY ____				
Plan Year	FY ____				
Peacetime Utilization Index (%)					
Past Year Actual	FY ____				
Current Year	FY ____				
Plan Year	FY ____				

APPENDIX F

CORE METHODOLOGY

In order to quantify CORE and relate it back to the contingency requirements, it is necessary to develop a workload sizing methodology. The most important aspect of this methodology is that it is driven by the contingency scenario, rather than a requirement from the maintenance depot.

A brief explanation of a conceptual depot maintenance CORE sizing methodology approach is provided below. The conceptual steps are identified by the alpha characters.

- a. Identify the specific types and the quantity of mission essential equipment to be used in the Joint Chiefs of Staff (JCS) approved contingency scenario(s).
- b. Determine a workload experience factor per unit based on known usage for each item of equipment. Make conversions based on applicable failure factors, op tempo adjustments, and scenario driven environmental/attribution factors.
- c. Compute scenario depot maintenance workload based on scenario readiness and sustainability requirements.
- d. Determine depot skills required to support scenario requirements expressed in direct labor hours, days, or other appropriate measure.

DRAFT



- e. Adjust for depot surge capacity. This provides the conversion necessary to account for the difference between peacetime and surge production capacity.
- f. Calculate basic CORE workload requirements.
- g. Apply an efficiency/economy factor to keep the required minimum CORE support effort from being exorbitantly and prohibitively expensive.
- h. Determine peacetime CORE requirement.
- i. Non-CORE workload is the difference between current or planned total peacetime workload and peacetime CORE requirements.

The capacity determined as the result of the CORE methodology computation is not the total capacity required. Capacity is also needed to handle "last source" repair requirements, cost control (competed workload), and rationally justified reserve capacity. CORE is computed as a reasonable statement of workload needed to establish and maintain contingency-driven weapon system support capabilities.

DRAFT

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) #

950410-15

FROM: FIELDS, TIMOTHY.	TO: DIXON
TITLE:	TITLE: CHAIRMAN
ORGANIZATION: EPA	ORGANIZATION: DBCRC
INSTALLATION (S) DISCUSSED:	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA	✓		
STAFF DIRECTOR	✓			COMMISSIONER COX	✓		
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS	✓		
GENERAL COUNSEL	✓			COMMISSIONER KLING	✓		
MILITARY EXECUTIVE				COMMISSIONER MONTOYA	✓		
				COMMISSIONER ROBLES	✓		
DIR/CONGRESSIONAL LIAISON	✓			COMMISSIONER STEELE	✓		
DIR. COMMUNICATIONS	✓			REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER	✓		
				NAVY TEAM LEADER	✓		
DIRECTOR OF ADMINISTRATION	✓			AIR FORCE TEAM LEADER	✓		
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER	✓		
DIR./INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature		Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

SENDING RESPONSES TO QUESTIONS FOR THE RECORD FROM MARCH 16 HEARING.

Due Date:	Routing Date: 950410	Date Originated: 950407	Mail Date:
-----------	----------------------	-------------------------	------------



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

APR 07 1995

OFFICE OF  
SOLID WASTE AND EMERGENCY RESPONSE

The Honorable Alan J. Dixon  
Chairman, Defense Base Closure and  
Realignment Commission  
1700 North Moore Street  
Suite 1425  
Arlington, VA 22209

Please refer to this number  
when responding 950410-15

Dear Chairman Dixon:

It was my pleasure to appear before the Commission on March 16 to address "post-closure" activities at military installations. I hope my participation in the hearing will assist you and the other Commissioners in your deliberations as you contemplate the difficult decisions you must face over the next few months.

During the hearing I was requested to submit, for the record, responses to several requests from the Commission members. The requests were as follows:

- 1) Provide my top three recommendations for improving the "post-closure" process.
- 2) Provide the cost of EPA's participation at BRAC sites from 1990 through 2000.
- 3) In California, the military must complete different environmental reviews under both the federal NEPA and state CEQA laws, which are more stringent than NEPA. How can environmental review of property occur expeditiously if the Department of Defense (DOD) must complete separate environmental impact analyses for state and federal programs?

I will address the requests in order. My top three recommendations for improving the "post-closure process" are: continue EPA funding for participation in Fast Track Cleanup at BRAC bases; improve the integration of environmental cleanup and the reuse and redevelopment of the bases; and, finally, I would like to recommend that the military services do everything within their power to retain the environmental staff at the closing bases throughout the BRAC cleanup process.

The first recommendation is critical. EPA receives funding from the Department of Defense for our participation in Fast Track Cleanup as members of BRAC Cleanup Teams. Without this

infusion of additional resources, EPA would not be able to play the proactive and supportive role we have since President Clinton announced his Community Revitalization Plan. By dedicating resources to the BRAC bases, EPA has worked with the military services, state regulatory bodies, Local Reuse Authorities (LRA) and local communities to remove environmental roadblocks to reuse while providing protection to human health and the environment. We have have received universal appreciation for our contributions to the cleanup and transition process and would like to continue to build on our productive partnership with the BRAC bases.

The second recommendation is based on our experience in the field at BRAC bases. We have encountered some disconnects with the local plans for reuse and redevelopment and the environmental cleanup program at the bases. It is imperative that the BRAC Cleanup Teams and the reuse entities at the bases communicate frequently. This allows each group to incorporate the other's concerns in their short and long term planning.

The last of the three recommendations I would submit to improve the process is that military services at the closing bases work to retain the existing staff that have the most experience at the base. As the bases downsize for closure they often lose the critical personnel that have the most experience with environmental cleanup at the bases. We have found that a knowledgeable and consistent BRAC Cleanup Team is one of the keys to success in Fast Track Cleanup. Unfortunately the base environmental and public affairs staff often are lost in the downsizing shuffle. To prevent this I would suggest the military find a mechanism to keep these professionals at the bases as they close and work to retain them as the BRAC cleanup progresses.

The second request came from Commissioner Cox. She asked me to provide the costs associated with EPA activities at BRAC bases from Fiscal Year 1990 through 2000.

The DOD, starting in FY 1994, provided EPA via an interagency funding agreement, with reimbursable resources to fund EPA's activities in the Fast Track Cleanup. DOD, EPA and OMB worked together to develop the details of this agreement, which included 100 additional workyears for EPA and \$7 million beginning in FY 1994. The FY 1995 budget was 100 workyears and \$8.4 million. Of the 100 positions, 93 workyears are located in EPA's Regional offices and 7 workyears at Headquarters. The current interagency funding agreement is for FY 1994-1998.

The figures provided below are the actual site costs for FY 1990 - FY 1994, and the budgeted amount for FY 1995 for EPA work involving BRAC Rounds I, II and III. The figures from FY 1990 - FY 1993 does not include "indirect costs" (e.g., rent, equipment, non-site policy work, etc.). At this point, it is difficult to estimate resource needs for BRAC IV until the list is final. However, we have begun to review the proposed list and

will continue to work with DOD to determine which proposed BRAC IV bases will require "Fast Track" support. However, until a new agreement is reached with DOD on funding BRAC IV work, we believe it would be inappropriate to project our resource needs. Once EPA and DOD reach agreement on the BRAC IV sites needing assistance we would be pleased to provide these figures to the Commission.

For the period covering FY 1996-1998 EPA projections assume that, excluding the BRAC IV funding issue, the FY 1995 level of \$8.4 million will be maintained adjusting for inflation. Using "OMB inflation factors for FY 1996-2000" included in the President's FY 1996 budget, we can extrapolate the \$8.4 million funding level for FY 1996-1998. Implicit in the estimates is that the current interagency funding agreement will end in FY 1998. Figures beyond this timeframe become highly speculative and may not provide much useful information to the Commission, so I feel it is inappropriate to provide figures for FY 1999 and FY 2000.

**EPA BRAC Resource Obligations FY 1990-95**

<u>YEAR</u>	<u>\$\$ IN MILLIONS *</u>
FY 1990	\$0.9
FY 1991	\$3.1
FY 1992	\$3.8
FY 1993	\$3.3
FY 1994	\$8.0
FY 1995	\$8.4
<u>Total</u>	<u>\$27.5</u>

**EPA BRAC Resource Estimates FY 1996-1998**

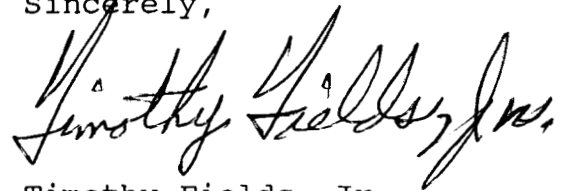
<u>YEAR</u>	<u>\$\$ IN MILLIONS **</u>
FY 1996	\$8.8
FY 1997	\$9.2
FY 1998	\$9.6
<u>Total</u>	<u>\$27.4</u>

The third request came from Commissioner Montoya in the form of a question regarding NEPA and the California CEQA law. States can, and do, have environmental programs which are stricter than federal programs. However, states such as California are easing the regulatory burden of completing different federal and state environmental review requirements by encouraging the completion of a joint federal Environmental Impact Statement (EIS) and state EIR (Environmental Impact Report) as a single document, a joint EIS/EIR. The state has further facilitated this process by issuing guidance on the subject ("CEQA, NEPA, and Base Closure:

Recipes for Streamlining Environmental Review," Governor's Office of Planning and Research, August, 1994). EPA will assist with any such effort to complete joint documentation so long as the final environmental review document satisfies NEPA.

I hope that I have sufficiently covered the subjects the Commission requested information on. My staff and I stand ready to assist you in any way that you may need. Should you, or any of the Commissioners, need to contact me I can be reached at (202) 260-4510.

Sincerely,

A handwritten signature in cursive script that reads "Timothy Fields, Jr." The signature is written in dark ink and is positioned to the right of the typed name.

Timothy Fields, Jr

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950410-16

FROM: KUSY, LYNN F.	TO: DIXON
TITLE: EXECUTIVE DIRECTOR	TITLE: CHAIRMAN
ORGANIZATION: WILLIAMS REDEVELOPMENT PARTNERSHIP	ORGANIZATION: DBCRC
INSTALLATION (S) DISCUSSED: ARMSTRONG LAB.	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL	✓			COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
				COMMISSIONER ROBLES			
DIR/CONGRESSIONAL LIAISON		Ⓢ		COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER		X	
DIR./INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

Ⓢ	Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
	Prepare Reply for Staff Director's Signature		Prepare Direct Response
X	ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

LETTER OF SUPPORT FOR ARMSTRONG LAB.

Due Date: 950417	Routing Date: 950410	Date Originated: 950407	Mail Date:
------------------	----------------------	-------------------------	------------

6001 South Power Road  
Building 314  
Mesa, Arizona 85206  
Tel: 602-988-1013  
Fax: 602-988-2315



WILLIAMS  
REDEVELOPMENT  
PARTNERSHIP

Please refer to this number  
when responding 950910-16

April 7, 1995

Alan Dixon, Chairman  
Base Realignment and Closure Commission  
1700 N. Moore Street, Suite 1425  
Arlington, VA 22209

Dear Mr. Dixon:

Armstrong Laboratory's Aircrew Training Research Division is a vital part of the Williams Air Force Base economic recovery plan. The Air Force recommendation that Armstrong remain at Williams is based on a solid fiscal analysis that makes sense to the Department of Defense, the Air Force and the community.

When Williams was included as part of the 1991 closure list, the local communities came together under the auspices of Governor Symington to create a comprehensive reuse plan. Funded by DoD, that plan called for the creation of a large reliever airport and a research, training and education campus to serve over 20,000 students in a unique, symbiotic relationship between aviation and education. Armstrong was a key component of that plan.

Additional funding from DoD, FAA and EDA, with the strong financial support of our State and local governments, has enabled us to further refine our plans and to proceed to the point where we have today over 600 jobs on site at Williams Gateway Airport and the Williams Campus. Armstrong accounts for about one quarter of those jobs and continues to be a strong link between aviation and education. Several educational institutions are now present at Williams, including Arizona State University, Maricopa Community College, Embry-Riddle Aeronautical University, and the University of North Dakota. Armstrong has close ties to this educational consortium.

Meanwhile, the airport is open to military and civilian air traffic, serving over 11,000 operations per month, including basic flight training, cargo, research and testing, America West crew training and military traffic such as KC-135s, F-16s and others. Boeing, McDonnell Douglas, DeHavilland, B. F. Goodrich Aerospace and Dornier have used Williams Gateway Airport for testing or certification of aircraft or aircraft components.





April 7, 1995  
Alan Dixon  
Page 2

Armstrong continues to play a significant role in the community's plan for the reuse of Williams AFB. We urge you to concur with the Air Force recommendation to leave Armstrong at its present location, to further integrate military and civilian aviation research.

Very truly yours,

Mr. Lynn F. Kusy  
Executive Director

LFK:ah



DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION  
1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

April 11, 1995

Mr. Lynn K. Kusy  
Executive Director  
Williams Redevelopment Partnership  
6001 South Power Road  
Building 314  
Mesa, Arizona 85206

Records prior to this number  
when responding 950410-16R1

Dear Mr. Kusy:

Thank you for your letter expressing your support for the Department of Defense's recommendations regarding the Armstrong Laboratory's Aircrew Training Research Division at Williams Air Force Base in Mesa, Arizona. I certainly understand your interest in the base closure and realignment process and welcome your comments.

You may be certain that the Commission will thoroughly review the information used by the Defense Department in making its recommendations. I can assure you that the information you have provided will be considered by the Commission in our review and analysis of the Secretary of Defense's recommendations.

I look forward to working with you during this difficult and challenging process. Please do not hesitate to contact me whenever you believe I may be of service.

Sincerely,

Alan J. Dixon  
Chairman

AJD:cw

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) #

9504(0-17)

FROM: COMBEST, LARRY	TO: BEYER, MERRILL
TITLE: REP. (TX)	TITLE: AF DOD ANALYST
ORGANIZATION: U.S. CONGRESS	ORGANIZATION: DBCRC
INSTALLATION (S) DISCUSSED: REESE AFB	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA	✓		
STAFF DIRECTOR	✓			COMMISSIONER COX	✓		
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS	✓		
GENERAL COUNSEL	✓			COMMISSIONER KLING	✓		
MILITARY EXECUTIVE				COMMISSIONER MONTOYA	✓		
				COMMISSIONER ROBLES	✓		
DIR./CONGRESSIONAL LIAISON		Ⓢ		COMMISSIONER STEELE	✓		
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER		X	
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR./INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

<input checked="" type="checkbox"/>	Prepare Reply for Chairman's Signature	<input type="checkbox"/>	Prepare Reply for Commissioner's Signature
<input type="checkbox"/>	Prepare Reply for Staff Director's Signature	<input type="checkbox"/>	Prepare Direct Response
<input checked="" type="checkbox"/>	ACTION: Offer Comments and/or Suggestions	<input checked="" type="checkbox"/>	FYI

Subject/Remarks:

~~REUSE~~ QUESTIONS REGARDING THE JOINT CROSS SERVICE WORKING GROUP'S FUNCTIONAL ANALYSIS.

Due Date: 950412	Routing Date: 950410	Date Originated: 950407	Mail Date:
------------------	----------------------	-------------------------	------------

LARRY COMBEST  
19TH DISTRICT, TEXAS

CHAIRMAN  
PERMANENT SELECT COMMITTEE  
ON INTELLIGENCE

COMMITTEE ON AGRICULTURE

ROOM 1511  
LONGWORTH HOUSE OFFICE BUILDING  
WASHINGTON, DC 20515-4319  
(202) 226-4008

Congress of the United States  
House of Representatives

April 7, 1995

DISTRICT OFFICES:

ROOM 511  
GEORGE H. MAHON  
FEDERAL BUILDING  
LUBBOCK, TX 79401-4089  
(806) 783-1811

SUITE 205  
3800 E. 42ND STREET  
ODESSA, TX 79762-5941  
(915) 560-0743

SUITE 205  
5809 S. WESTERN  
AMARILLO, TX 79110-3626  
(806) 362-3946

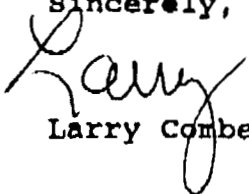
Lieutenant Colonel Merrill L. Beyer III  
Defense Base Closure and Realignment  
Commission  
1700 N. Moore Street, Suite 1425  
Arlington, Virginia 22209

Dear Colonel Beyer:

I would like to forward the enclosed questions for your consideration regarding the Joint Cross Service Working Group's Functional Analysis and its effect on Reese Air Force Base.

I certainly appreciate your willingness and dedication to fully analyze this very difficult set of issues. Please call on me or my staff if we can be of any further assistance in this matter.

Sincerely,

  
Larry Combest

LC/rdl  
Enclosure

ADDITIONAL QUESTIONS FOR AIR FORCE  
REGARDING REESE AFB

o GENERAL:

- o Why did the Air Force use portions of the Joint Cross Service Group Functional Analysis results for its Flying Training Missions evaluation and the Navy did its own separate analysis to determine military value and which Navy base to close?
- o Has the Air Force scrubbed the Joint Cross Service Groups D-PAD model for calculation errors? The BRAC Commissioners and staff have been advised that there are instances of incorrect formulas and incorrect results being used in the ranking of bases.

o MANAGED TRAINING AREAS:

- o Why did Reese AFB get a "No" answer on the Joint Cross Service Group Functional Analysis when asked if they had "Alert Airspace controlled/owned by the installation that supports training?" This response cost them points in the evaluation of several functional areas. Reese AFB does own and control Alert Airspace which is used for training.

o WEATHER:

- o Why was percent of time ceiling and visibility better than 1,000 ft. and ceiling of 3 miles given weight in addition to 1,500 ft. and 3 miles; isn't 1,500/3 the key weather factor for Air Force operations? Isn't the important factor for Air Force operations the measurement of ceilings and visibility greater than 1,500/3 which is the key decision point in Air Force training operations?
- o Why was so much weight placed on crosswinds in the Joint Cross Service Group Functional Analysis? Is it the largest cause of weather cancellation/rescheduling? Aren't significant numbers of sorties lost due to forecast icing vs. actual crosswinds?
- o Why was so little weight put on actual attrition experience in the Joint Cross Service Group Functional Analysis and very heavy weight put on a single weather measurement (crosswinds) and on planning factors which contain other non-weather related loss factors such as maintenance and operations losses? Isn't attrition experienced an overall measure of a base's performance?

-2-

- o Why was the T-38 planning factor used in lieu of the T-1 planning factor currently being used by Reese AFB in the Joint Cross Service Group Functional Analysis? Didn't this unduly penalize Reese AFB considering that their T-38 planning factor is 28% versus a current planning factor for the T-1 of approximately 17%?
- o AIRSPACE AND FLIGHT TRAINING AREAS:
  - o The BRAC Commissioners and staff were advised during the Site Visit that the Air Force found discrepancies in the airspace data for Reese AFB and Vance AFB. Since discrepancies were found in airspace available for training for these two bases, did the Air Force review the other Air Force UPT bases? If they did, what were the results?
  - o The BRAC Commissioners and staff were also informed during the Site Visit that the Air Force found a discrepancy with the count of Military Training Routes (MTRs) for Reese AFB versus the count used in the functional analysis (14 in latest review versus 9 reported in the analysis). Has the Air Force reviewed the counts for the other bases? If so, what were the results?
  - o Why did the Air Force measure the distance to airspace available for training to the leading edge of the airspace instead of the geographic center to better reflect the actual flying distance required to reach working blocks of airspace?
  - o Why did the Air Force place so much weight on the total number of MTRs? Wouldn't it cause problems for scheduling time on these training routes if there were lots of MTRs in the local area used by other bases (i.e., makes it more difficult to deconflict traffic)?
  - o Why if Vance AFB had 32 MTRs within 100 nm of its base did it find it necessary to create 4 new routes to accommodate the T-1?
- o AIRFIELDS:
  - o Congressman Combest has maintained all along that the Air Force did not give Reese AFB enough credit for the availability and use of Lubbock International Airport (LIA). Why did Reese receive a "No" in the Joint Cross Service Group Functional Analysis when asked if they have an outlying field with IFR capability, considering the proximity, availability and capability of LIA?

-3-

o PROXIMITY TO OTHER SUPPORT FACILITIES:

- o Why did Reese AFB receive a "No" in the Joint Cross Service Functional Analysis for existence of "Two or more other airfields in the area that could support pilot training (primary, airlift/tanker, etc.)? With LIA and many other capable airfield nearby, such as Midland, Amarillo, Dyess AFB, Cannon AFB, Sheppard AFB, Altus AFB and Roswell, all of which are used as divert fields for T-37s and auxiliary fields for T-38s and T-1s.

o SERVICES:

- o Why did the Joint Cross Service Group Functional Analysis only measure adequacy of housing and not whether it met Air Force "Whole House Standards" which would be a better measure of its worth/condition and the requirement for additional expense to upgrade it?
- o Why were the "Number of children on the waiting list, and average wait for children on the waiting list" used as measurements of capability/capacity in the Joint Cross Service Group Functional Analysis? Aren't those factors greatly influenced by local policy and employment conditions (i.e., some bases allow contractors on base to use the facilities, some allow individuals to place their name on the list as a place holder, and where employment is high, and where on-base housing occupancy is high these rates could be expected to be high)?



**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

Please refer to this number  
when responding 950410-17R1

ALAN J. DIXON, CHAIRMAN

COMMISSIONERS:

AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

April 13, 1995

The Honorable Larry Combest  
United States House of Representatives  
Washington, D.C. 20515

Dear Representative Combest:

Thank you for forwarding your questions to Lieutenant Colonel Merrill Beyer of the Commission staff concerning the Joint Cross Service Group's functional analysis of Reese Air Force Base.

You may be certain that your questions will be considered at the Commission's April 17, 1995, hearing on Joint Cross Service Group issues. As soon as we receive a response to the questions, we will forward them on to you.

Please do not hesitate to contact me whenever you believe I can be of service.

Sincerely,

Alan J. Dixon  
Chairman

AJD:js



THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950410-18

FROM: BROWN, ED	TO: JONES, MICHAEL
TITLE: ARMY TEAM LEADER	TITLE: DIRECTOR
ORGANIZATION: DBCRC	ORGANIZATION: ARMY BASING STUDY
INSTALLATION (S) DISCUSSED: PRICE SUPPORT CENTER	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL	✓			COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
				COMMISSIONER ROBLES			
DIR/CONGRESSIONAL LIAISON				COMMISSIONER STEELE			
DIR/COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER	✓		
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR/INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature		Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

SENDING QUESTIONS REGARDING THE PRICE SUPPORT CENTER

Due Date: 9	Routing Date: 950410	Date Originated: 950410	Mail Date: 950410
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THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION  
1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

ALAN J. DIXON, CHAIRMAN

April 10, 1995

COMMISSIONERS:  
AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

Colonel Michael G. Jones  
Director, The Army Basing Study  
200 Army Pentagon  
Washington, D.C. 20310-0200

Please refer to this number  
when responding 950410-18


Dear Colonel Jones:

After further review of the available data, several more issues were identified regarding the Price Support Center. I would appreciate your responses to the following questions by April 24, 1995.

1. According to the Reserve project document, it will cost \$1.4 million to establish the reserve enclave. Are these costs reflected in COBRA?
2. The Army Reserve Personnel Center, Hill AFB, Scott AFB, Naval Air Warfare Center, Defense Reutilization and Marketing Service, and Defense Logistics Agency- Red River use warehouses that are not included in the reserve enclave. Are the costs to relocate these activities included in the COBRA?
3. Since all the family housing and the majority of the warehouse/administrative space is being shutdown, why are base operations costs only reduced 19 percent?
4. The recommendation includes \$957,000 in steady state savings from eliminating 20 military personnel (8 from Price and 18 from ATCOM), however, there are only 8 military personnel (6 at Price and 2 at ATCOM ) assigned. Thus, shouldn't COBRA be updated to reflect reduced savings?

If you need any clarification of these questions, please contact Mike Kennedy, the Army Team Analyst. I appreciate your assistance and cooperation.

Sincerely,

  
for Edward A. Brown III  
Army Team Leader



DEPARTMENT OF THE ARMY  
OFFICE OF THE CHIEF OF STAFF  
200 ARMY PENTAGON  
WASHINGTON DC 20310-0200



REPLY TO  
ATTENTION OF

April 25, 1995

The Honorable Alan J. Dixon  
Chairman, The Defense Base Closure  
and Realignment Commission  
1700 North Moore Street, Ste. 1425  
Arlington, Virginia 22209

950410-18R1

Dear Chairman Dixon:

The Army Basing Study has reviewed the letter from the Defense Base Closure and Realignment Commission, dated April 10, 1995 regarding Price Support Center and the responses to your questions are provided below.

1. Reserve Enclave.

All costs associated with recommendation to establish a reserve enclave at Price Support Center are reflected in COBRA.

2. Relocation of activities.

The Commission staff identified the following activities that use warehouses at Price Support Center: The Army Reserve Personnel Center, Hill AFB, Scott AFB, Naval Air Warfare Center, Defense Reutilization and Marketing Service and Defense Logistics Agency - Red River. The Army does not propose including them in the enclave. Of course, this does not prevent interested agencies from seeking facilities during the screening process. The Army intends to include the following units in the enclave:

<u>UIC</u>	<u>Unit Description</u>	<u>Authorization - ASIP (May 94) FY 96</u>
!37V04	Res Naval Const Force	0 Off / 0 WO / 4 Enl / 0 USC
!37V06	Naval Air Engr Center	0 Off / 0 WO / 0 Enl / 1 USC
W3DT03	FTS 86 ARCOM	0 Off / 0 WO / 8 Enl / 0 USC
W3DV!3	FTS 102 ARCOM	0 Off / 0 WO / 0 Enl / 5 USC
W3DQ!W	FTS 84 Div - Tng	0 Off / 0 WO / 0 Enl / 1 USC
W3DQ08	FTS 84 Div - Tng	0 Off / 0 WO / 2 Enl / 0 USC
!37V05	Defense Logistics Agency	0 Off / 0 WO / 0 Enl / 2 USC
DCE09	Defense Comsy Agency	0 Off / 0 WO / 0 Enl / 60 USC

Enclave Total

0 Off / 0 WO / 14 Enl / 69 USC



Since DLA - Red River is being eliminated (UIC W0MC!A), it is not part of the enclave.

3. Base Operation Costs.

The updated COBRA, to be provided later, will reflect a reduction in the base operations costs.

4. Steady State Savings.

The recommendation includes a \$957,000 steady state savings for military personnel, as reflected on the Total Appropriation Detail Report page 5/9. This savings is achieved by the recommended eliminations of 25 military and 4 military realignments. The total population (military and civilian) assigned to Price Support Center in FY 96 per the Army Stationing Installation Plan, dated 16 May 94, is 150 military, 145 civilians and 303 contractors for a total of 598 personnel.

This information is accurate and complete to the best of our knowledge and belief. If you need any clarification to these responses, please contact Cathy Polmateer at (703) 693-0077/8.



MICHAEL G. JONES

COL, GS

Director, The Army Basing Study

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) #

950410-19

FROM: BROWN, ED	TO: JONES; MICHAEL G
TITLE: ARMY TEAM LEADER	TITLE: DIRECTOR
ORGANIZATION: DBCRC	ORGANIZATION: ARMY BASING STUDY
INSTALLATION (S) DISCUSSED: FT AP. HILL, FORT MCCOY	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL	✓			COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
				COMMISSIONER ROBLES			
DIR/CONGRESSIONAL LIAISON				COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER	✓		
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR./INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature		Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

REQUESTING COBRA RUNS CONDUCTED ON FT A.P. HILL AND FT MCCOY.

Due Date:	Routing Date: 950410	Date Originated: 950410	Mail Date: 950410
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**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**  
1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

ALAN J. DIXON, CHAIRMAN

COMMISSIONERS:  
AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

April 10, 1995

Colonel Michael G. Jones  
Director, The Army Basing Study  
200 Army Pentagon  
Washington, D.C. 20310-0200

Please refer to this number  
when responding 950410-19

Dear Colonel Jones:

The Army Team would like to get electronic copies of the COBRA runs conducted on Ft. A.P. Hill and Ft. McCoy. These COBRA runs are needed to respond to community request and questions by Army Team analysts. Please put the COBRA files on a 3 1/2" diskette.

I appreciate your assistance and cooperation. Please respond by 17 April, 1995.

Sincerely,

*Clarence R. Brown, Army Team*  
for Edward A. Brown III  
Army Team Leader

EB/bb

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) #

950410-20

FROM: BROWN, ED.	TO: JONES, MICHAEL
TITLE: ARMY TEAM LEADER	TITLE: DIRECTOR
ORGANIZATION: DBCRC	ORGANIZATION: ARMY BASING STUDY
INSTALLATION (s) DISCUSSED:	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL	✓			COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
				COMMISSIONER ROBLES			
DIR./CONGRESSIONAL LIAISON				COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER	✓		
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR./INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature		Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

REQUESTING A LISTING OF ALL COBRA RUNS CONDUCTED BY TABS.

Due Date:	Routing Date: 950410	Date Originated: 950410	Mail Date: 950410
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THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION  
1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

ALAN J. DIXON, CHAIRMAN

April 10, 1995

COMMISSIONERS:  
AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

Colonel Michael G. Jones  
Director, The Army Basing Study  
200 Army Pentagon  
Washington, D.C. 20310-0200

Please refer to this number  
when responding 950410-20

Dear Colonel Jones:

The Army Team would like to get a listing of all COBRA runs conducted by TABS. Of course, we already have a list of those scenarios which were recommended by the Department of Defense, therefore we need a list of those scenarios which were run but were not submitted by DoD to the Commission. A list of these COBRA runs will be helpful as we investigate other scenarios presented by Commissioners, Army Team analysts, and the communities. If we have an idea what scenarios TABS has already worked, we will be better able to respond to the Commissioners' and communities' requests.

I appreciate your assistance and cooperation. Please respond by 17 April, 1995.

Sincerely,

*for*   
Edward A. Brown III  
Army Team Leader

EB/bb





DEPARTMENT OF THE ARMY  
OFFICE OF THE CHIEF OF STAFF  
200 ARMY PENTAGON  
WASHINGTON DC 20310-0200



REPLY TO  
ATTENTION OF

14 APR 1995

Mr. Ed Brown  
Army Team Leader  
Defense Base Closure and  
Realignment Commission  
1700 N. Moore St., Suite 1425  
Arlington, VA 22209

Please refer to this number  
when responding 950410-20

Dear Mr Brown:

This package is in response to requests for additional information on the Army's recommendations. Enclosed is the following:

- A listing of all COBRA runs conducted by TABS.
- Electronic files (\*.CBR file) for the Army's analysis of Fort McCoy, WI and Fort A.P. Hill, VA. (contact Bob Bivens, DBRC, ext 153).

The information and data concerning the recommendations are accurate and complete to the best of my knowledge and belief.

Sincerely,

MICHAEL G. JONES  
COL, GS  
Director, The Army Basing Study



TS5-1 C:\COB\TS5-1POM.CBR  
CLOSE POM AND MOVE DLI TO FORT HUACHUCA.

TS5-2 C:\COB\TS5-2POM.CBR  
CLOSE POM AND MOVE DLI TO GOODFELLOW AFB.

TS14-1PM C:\COB\TS14-1PM.CBR  
CLOSE POM AND MOVE DLI TO FORT HUACHUCA.

CLSE EUSTIS(TS3-1A) C:\COB\TS3-1A.CBR  
CLOSE FORT EUSTIS AND MOVE THE TRANSPORTATION SCHOOL AND CENTER TO FORT LEE. MOVE LAND ELEMENTS OF THE 7TH GROUP TO FORT LEE AND AMPHIBIOUS ELEMENTS TO LITTLE CREEK. MOVE THE AVIATION LOG CENTER TO FORT RUCKER AND THE AVIATION TEST FACILITY TO ATCOM.

CLSE FT LEE(TS8-1A) C:\COB\TS8-1ASA.CBR  
CLOSE FORT LEE. MOVE CASCOM HEADQUARTERS AND THE QM SCHOOL TO FORT EUSTIS. REALIGN THE AVIATION LOG CENTER TO FORT RUCKER. REALIGN ALMC TO FORT MONROE. REALIGN THE AV TEST ACT TO REDSTONE. ENCLAVE DECA AT LEE. REALIGN THE CBT SUPPORT (MP) TO KNOX, NO CONSTRUCTION.

CLSE LW (TS9-1C) C:\COB\TS9-1C.CBR  
CLOSE FORT LEONARD WOOD EXCEPT MAINTAIN A RESERVE ENCLAVE. REALIGN THE THE ENGINEER SCHOOL AND CENTER TO FORT MCCLELLAN AND BT TO SILL, KNOX AND JACKSON. OSUT REALIGNS TO MCCLELLAN WITH THE ENGINEER SCHOOL. KEEP CARETAKERS AT LEONARD WOOD UNTIL INSTALLATIONS CLOSES.

CLSE FT LEE(TS8-1A) C:\COB\TS8-1A.CBR  
CLOSE FORT LEE. MOVE CASCOM HEADQUARTERS AND THE QM SCHOOL TO FORT EUSTIS. REALIGN THE AVIATION LOG CENTER TO FORT RUCKER. REALIGN ALMC TO FORT MONROE. REALIGN THE AV TEST ACT TO REDSTONE. ENCLAVE DECA AT LEE. REALIGN THE CBT SUPPORT (MP) TO KNOX, NO CONSTRUCTION.

CLSE MCCL(TS10-1C) C:\COB\TS10-1C.CBR  
CLOSE FORT MCCLELLAN EXCEPT ENCLAVE PELHAM RANGE AND REQUIRED SUPPORT FACILITIES. REALIGN MP AND CHEM SCHOOLS TO FORT LEONARD WOOD. REBUILD THE CDTF AT LEONARD WOOD. OSUT REALIGNS WITH MP AND CHEM SCHOOLS. REALIGN A PERCENTAGE OF LEONARD WOOD BT TO FORTS JACKSON, SILL, AND KNOX. REALIGN THE DoD POLYGRAPH INSTITUTE TO FORT JACKSON. MOVE DETEOD TO ANNISTON IN SUPPORT OF THE CHEM DEMIL MISSION. THE MCCLELLAN MP COMPANY REALIGNS TO FORT SILL.

CLSE EUSTIS(TS3-1b) C:\COB\TS3-1B.CBR  
CLOSE FORT EUSTIS EXCEPT MAINTAIN A RESERVE ENCLAVE WHICH INCLUDES NOAA AND JAMES RIVER FLEET. REALIGN THE TRANS SCHOOL AND LAND ELEMENTS OF 7TH TRANS GROUP TO FORT LEE. REALIGN AMPHIBIOUS ELEMENTS OF 7TH TRANS GROUP AND TRANS SCHOOL WATER BOURNE TRAINING TO LITTLE CREEK NAVAL STATION. RELOCATE AV LOG TRAINING TO FORT RUCKER AND AV TEST ACTIVITY TO REDSTONE ARSENAL. THE CIVILIAN TRAINING ACTIVITY RELOCATES TO FORT MONROE.

CLSE MONROE (TS4-1) C:\COB\TS4-1MON.CBR  
CLOSE FORT MONROE. MOVE TRADOC HQ AND HQ CADET CMD TO FORT EUSTIS.  
REALIGN THE AVIATION LOG CENTER TO FORT RUCKER AND AVIATION R&D TO ATCOM.

CLSE EUSTIS (TS3-1b1) C:\COB\TS3-1B1.CBR  
CLOSE FORT EUSTIS EXCEPT MAINTAIN A RESERVE ENCLAVE WHICH INCLUDES NOAA  
AND JAMES RIVER FLEET. REALIGN THE TRANS SCHOOL AND LAND ELEMENTS OF  
7TH TRANS GROUP TO FORT LEE. REALIGN AMPHIBIOUS ELEMENTS OF 7TH TRANS  
GROUP AND TRANS SCHOOL WATER BOURNE TRAINING TO LITTLE CREEK NAVAL STATION.  
RELOCATE AV LOG TRAINING TO FORT RUCKER AND AV TEST ACTIVITY TO REDSTONE  
ARSENAL. THE CIVILIAN TRAINING ACTIVITY RELOCATES TO FORT MONROE.

REALIGN MCCL TS10-1D C:\COB\TS10-1D.CBR  
REALIGN THE MP SCHOOL TO FORT LEONARD WOOD AND THE DOD POLYGRAPH  
INSTITUTE TO FORT JACKSON.

REALIGN MCCL TS10-1D C:\COB\TS10-1D1.CBR  
REALIGN THE MP SCHOOL TO FORT LEONARD WOOD AND THE DOD POLYGRAPH  
INSTITUTE TO FORT JACKSON.

CLSE MCCL (TS10-1C) C:\COB\TS10-1C1.CBR  
CLOSE FORT MCCLELLAN EXCEPT RETAIN MINIMUM ESSENTIAL LAND AND FACILITIES  
FOR A RESERVE COMPONENT ENCLAVE AND MINIMUM ESSENTIAL FACILITIES AS NECESSARY  
TO PROVIDE AUXILIARY SUPPORT TO THE CHEMICAL DEMILITARIZATION OPERATION AT  
ANNISTON ARMY DEPOT. RELOCATE THE U. S. ARMY CHEMICAL AND MILITARY POLICE  
SCHOOLS TO FT LEONARD WOOD, MO UPON RECEIPT OF REQUIRED PERMITS. RELOCATE  
THE DEPARTMENT OF DEFENSE POLYGRAPH INSTITUTE (DODPI) TO FT JACKSON, SC.  
LICENSE PELHAM RANGE AND REQUIRED SUPPORT FACILITIES TO THE AL NATL GUARD.  
REALIGN A PERCENTAGE OF FT LEONARD WOOD BT TO FORTS JACKSON, SILL AND KNOX.

REALIGN MCCL TS10-1D C:\COB\TS10-1E.CBR  
REALIGN THE MP SCHOOL TO FORT BENNING AND THE DOD POLYGRAPH  
INSTITUTE TO FORT JACKSON.

CLSE MCCL (TS10-1C2) C:\COB\TS10-1C2.CBR  
CLOSE FORT MCCLELLAN EXCEPT ENCLAVE PELHAM RANGE AND REQUIRED SUPPORT  
FACILITIES. REALIGN MP AND CHEM SCHOOLS TO FORT LEONARD WOOD. REBUILD  
THE CDTF AT LEONARD WOOD. OSUT REALIGNS WITH MP AND CHEM SCHOOLS.  
REALIGN A PERCENTAGE OF LEONARD WOOD BT TO FORTS JACKSON, SILL, AND KNOX.  
REALIGN THE DoD POLYGRAPH INSTITUTE TO FORT JACKSON.  
MOVE DETEOD TO ANNISTON IN SUPPORT OF THE CHEM DEMIL MISSION.  
THE MCCLELLAN MP COMPANY REALIGNS TO FORT SILL.

CLSE LW (TS9-1C1) C:\COB\TS9-1C1.CBR  
CLOSE FORT LEONARD WOOD EXCEPT MAINTAIN A RESERVE ENCLAVE. REALIGN THE  
THE ENGINEER SCHOOL AND CENTER TO FORT MCCLELLAN AND BT TO SILL, KNOX AND  
JACKSON. OSUT REALIGNS TO MCCLELLAN WITH THE ENGINEER SCHOOL. KEEP  
CARETAKERS AT LEONARD WOOD UNTIL INSTALLATIONS CLOSES.

TS14-1A C:\COB\TS14-1A.CBR  
CLOSE POM AND MOVE DLI TO FORT HUACHUCA.

CLSE MCCL(TS10-1-1) C:\COB\TS10-1-1.CBR  
CLOSE FORT MCCLELLAN. REALIGN THE MP AND CHEM SCHOOLS TO FORT L'WOOD.  
REALIGN DoD POLYGRAPH INSTITUTE TO JACKSON. OSUT TO FORT L'WOOD AND  
MOVE FUNCTIONS ASSOCIATED WITH THE CHEM DEMIL MISSION TO ANNISTON.  
REBUILD THE CDTF AT L'WOOD. REALIGN AR 5-9 FUNCTIONS TO RUCKER.

TS5-1 C:\COB\TS5-1X1.CBR  
CLOSE POM AND MOVE DLI TO FORT HUACHUCA.

TS5-2 C:\COB\TS5-2X1.CBR  
CLOSE POM AND MOVE DLI TO GOODFELLOW AFB.

CLSE LW (TS9-2) C:\COB\TS9-2.CBR  
CLOSE FORT LEONARD WOOD. REALIGN THE ENGINEER SCHOOL TO FORT MCCLELLAN.  
REALIGN BASIC TRAINING FROM FORT LEONARD WOOD TO FORTS SILL, KNOX AND  
JACKSON.

CLSE LW (TS9-2) C:\COB\TS9-2X1.CBR  
CLOSE FORT LEONARD WOOD. REALIGN THE ENGINEER SCHOOL TO FORT MCCLELLAN.  
REALIGN BASIC TRAINING FROM FORT LEONARD WOOD TO FORTS SILL, KNOX AND  
JACKSON.

CLSE FT LEE(TS8-1x1) C:\COB\TS8-1X1.CBR  
CLOSE FORT LEE. MOVE CASCOM HEADQUARTERS AND THE QM SCHOOL TO FORT EUSTIS.  
REALIGN ALMC TO FORT MONROE.

TS5-1 C:\COB\TS5-1X2.CBR  
CLOSE POM AND MOVE DLI TO FORT HUACHUCA.

CLSE MCCLEL(TS10-1) C:\COB\TS10-1.CBR  
CLOSE FORT MCCLELLAN. REALIGN THE MP AND CHEM SCHOOLS TO FORT L'WOOD.  
REALIGN DoD POLYGRAPH INSTITUTE TO JACKSON. OSUT TO FORT L'WOOD AND CLOSE BT  
BT AT L'WOOD. MOVE FUNCTIONS ASSOCIATED WITH THE CHEM DEMIL MISSION TO  
ANNISTON. REBUILD THE CDTF AT L'WOOD. REALIGN BT FROM FT LEONARD WOOD  
TO FORTS SILL, KNOX AND JACKSON.

CLSE LW (TS9-1) C:\COB\TS9-1.CBR  
CLOSE FORT LEONARD WOOD. REALIGN THE ENGINEER SCHOOL TO FORT MCCLELLAN.  
REALIGN BASIC TRAINING FROM FORT LEONARD WOOD TO FORTS SILL, KNOX AND  
JACKSON. OSUT REALIGNS TO MCCLELLAN WITH THE ENGINEER SCHOOL

CLSE FT LEE(TS8-1x1) C:\COB\TS8-1XX1.CBR  
CLOSE FORT LEE. MOVE CASCOM HEADQUARTERS AND THE QM SCHOOL TO FORT EUSTIS.  
REALIGN ALMC TO FORT MONROE.

CLSE EUSTIS(TS3-1) C:\COB\TS3-1.CBR  
CLOSE FORT EUSTIS AND MOVE THE TRANSPORTATION SCHOOL AND CENTER TO FORT  
LEE. MOVE LAND ELEMENTS OF THE 7TH GROUP TO FORT LEE AND AMPHIBIOUS  
ELEMENTS TO LITTLE CREEK. MOVE THE AVIATION LOG CENTER TO FORT RUCKER  
AND THE AVIATION TEST FACILITY TO ATCOM. REALIGN THE DOC SPT CTR TO  
FORT LEAVENWORTH KS AND SEVERAL BASOPS FUNCTIONS TO MONROE.

CLOSE SILL(TS13-1) C:\COB\TS13-1.CBR  
CLOSE FORT SILL. REALIGN THE FA SCHOOL, III CORPS ARTY AND OSUT TO FORT BLISS TX. REALIGN 1/3 SECTIONS OF BASIC TRAINING TO KNOX, JACKSON AND LEONARD WOOD. CLOSE THE HOSPITAL AT SILL AND CUT BASOPS BY 25%. 34% OF THE TRAINING BATTERYS REALIGNS TO BLISS WITH OSUT AND THE FA SCHOOL

CLSE FT LEE (TS2-1) C:\COB\TS8-1.CBR  
CLOSE FORT LEE. MOVE CASCOM HEADQUARTERS AND THE QM SCHOOL TO FORT EUSTIS. REALIGN THE AVIATION LOG CENTER TO FORT RUCKER. REALIGN ALMC TO FORT MONROE. REALIGN THE AV TEST ACT TO REDSTONE. BASE X DFAS.

CLSE MCCLEL(TS10-1) C:\COB\TS10-1X1.CBR  
CLOSE FORT MCCLELLAN. REALIGN THE MP AND CHEM SCHOOLS TO FORT L'WOOD. REALIGN DoD POLYGRAPH INSTITUTE TO JACKSON. OSUT TO FORT L'WOOD AND MOVE FUNCTIONS ASSOCIATED WITH THE CHEM DEMIL MISSION TO ANNISTON. REBUILD THE CDTF AT L'WOOD.

CLSE LW (TS9-1x1) C:\COB\TS9-1X1.CBR  
CLOSE FORT LEONARD WOOD. REALIGN THE ENGINEER SCHOOL TO FORT MCCLELLAN. REALIGN BASIC TRAINING FROM FORT LEONARD WOOD TO FORTS SILL, KNOX AND JACKSON. OSUT REALIGNS TO MCCLELLAN WITH THE ENGINEER SCHOOL

CLOSE POM (TS14-1) C:\COB\TS14-1.CBR  
CLOSE POM AND MOVE DLI TO FORT HUACHUCA.

CLSE FT LEE (TS2-1) C:\COB\TS8-1XX.CBR  
CLOSE FORT LEE. MOVE CASCOM HEADQUARTERS AND THE QM SCHOOL TO FORT EUSTIS. REALIGN THE AVIATION LOG CENTER TO FORT RUCKER. REALIGN ALMC TO FORT MONROE. REALIGN THE AV TEST ACT TO REDSTONE. BASE X DFAS.

CLSE FT LEE(TS8-1x1) C:\COB\TS8-11X1.CBR  
CLOSE FORT LEE. MOVE CASCOM HEADQUARTERS AND THE QM SCHOOL TO FORT EUSTIS. REALIGN ALMC TO FORT MONROE.

CLSE FT LEE(TS8-1x1) C:\COB\TS8-11X2.CBR  
CLOSE FORT LEE. MOVE CASCOM HEADQUARTERS AND THE QM SCHOOL TO FORT EUSTIS. REALIGN ALMC TO FORT MONROE. MOVE THE AV LOG TO FORT RUCKER AND THE AV TEST TO REDSTONE.

CLSE FT LEE(TS8-1-1) C:\COB\TS8-1-1.CBR  
CLOSE FORT LEE. MOVE CASCOM HEADQUARTERS AND THE QM SCHOOL TO FORT EUSTIS. REALIGN THE AVIATION LOG CENTER TO FORT RUCKER. REALIGN ALMC TO FORT MONROE. REALIGN THE AV TEST ACT TO REDSTONE. ENCLAVE DECA AT LEE. REALIGN THE CBT SUPPORT (MP) TO KNOX, NO CONSTRUCTION.

CLSE FT LEE(TS8-1-2) C:\COB\TS8-1-2.CBR  
CLOSE FORT LEE. MOVE CASCOM HEADQUARTERS AND THE QM SCHOOL TO FORT EUSTIS. REALIGN ALMC TO FORT MONROE. ENCLAVE DECA AND RESERVE UNITS AT LEE.

CLSE LW (TS9-1-1) C:\COB\TS9-1-1.CBR  
CLOSE FORT LEONARD WOOD. REALIGN THE ENGINEER SCHOOL TO FORT MCCLELLAN.  
REALIGN BASIC TRAINING FROM FORT LEONARD WOOD TO FORTS SILL, KNOX AND  
JACKSON. OSUT REALIGNS TO MCCLELLAN WITH THE ENGINEER SCHOOL.

CLSE MCCL(TS10-1A) C:\COB\TS10-1A.CBR  
CLOSE FORT MCCLELLAN. REALIGN THE MP AND CHEM SCHOOLS TO FORT L'WOOD.  
REALIGN DoD POLYGRAPH INSTITUTE TO JACKSON. OSUT TO FORT L'WOOD AND  
MOVE FUNCTIONS ASSOCIATED WITH THE CHEM DEMIL MISSION TO ANNISTON.  
REBUILD THE CDTF AT L'WOOD.

CLSE LW (TS9-1A) C:\COB\TS9-1A.CBR  
CLOSE FORT LEONARD WOOD. REALIGN THE ENGINEER SCHOOL TO FORT MCCLELLAN.  
REALIGN BASIC TRAINING FROM FORT LEONARD WOOD TO FORTS SILL, KNOX AND  
JACKSON. OSUT REALIGNS TO MCCLELLAN WITH THE ENGINEER SCHOOL. MAINTAIN  
A GARRISON AT LEONARD WOOD TO MAINTAIN POST AND RANGES UNTIL POST CLOSES.

CLSE LW (TS9-1A) C:\COB\TS9-1AC.CBR  
CLOSE FORT LEONARD WOOD. REALIGN THE ENGINEER SCHOOL TO FORT MCCLELLAN.  
REALIGN BASIC TRAINING FROM FORT LEONARD WOOD TO FORTS SILL, KNOX AND  
JACKSON. OSUT REALIGNS TO MCCLELLAN WITH THE ENGINEER SCHOOL. MAINTAIN  
A GARRISON AT LEONARD WOOD TO MAINTAIN POST AND RANGES UNTIL POST CLOSES.

CLSE LW (TS9-1A) C:\COB\TS9-1A1.CBR  
CLOSE FORT LEONARD WOOD. REALIGN THE ENGINEER SCHOOL TO FORT MCCLELLAN.  
REALIGN BASIC TRAINING FROM FORT LEONARD WOOD TO FORTS SILL, KNOX AND  
JACKSON. OSUT REALIGNS TO MCCLELLAN WITH THE ENGINEER SCHOOL.

AS3 C:\COB\AS3-1.CBR  
CLOSE PUEBLO ARMY DEPOT ACTIVITY UPON COMPLETION OF CHEMICAL WEAPONS DEMIL.

AS4-4 C:\COB\AS4-4.CBR  
CLOSE SAVANNA ARMY DEPOT. REALIGN US ARMY DEFENSE AMMUNITION CENTER & SCHOOL  
TO McALESTER AAP. TRANSFER NON-AMMO STORED MATERIAL WITH THE EXCEPTION OF ORE  
WHICH WILL BE ENCLAVED.

AS4-4a C:\COB\AS4-4A.CBR  
CLOSE SAVANNA ARMY DEPOT. REALIGN US ARMY DEFENSE AMMUNITION CENTER & SCHOOL  
TO McALESTER AAP. TRANSFER NON-AMMO STORED MATERIAL WITH THE EXCEPTION OF ORE  
WHICH WILL BE ENCLAVED.

AS5-1 C:\COB\AS5-1.CBR  
CLOSE SENECA DEPOT. THE COAST GUARD LORAN SITE AS A NON DOD ACTIVITY IS  
EXCLUDED FROM PERSONNEL/COST CONSIDERATION. ENCLAVE HAZARDOUS MATERIAL IN  
STATIC STORAGE.

AS5-1a C:\COB\AS5-1A.CBR  
CLOSE SENECA DEPOT. THE COAST GUARD LORAN SITE AS A NON DOD ACTIVITY IS  
EXCLUDED FROM PERSONNEL/COST CONSIDERATION. ENCLAVE HAZARDOUS MATERIAL IN  
STATIC STORAGE.

AS6-1 C:\COB\AS6-1.CBR  
REDUCE SIERRA ARMY DEPOT TO AN ACTIVITY WITH ITS SOLE MISSION BEING  
OPERATIONAL PROJECT STOCKS.

AS8 C:\COB\AS8-1.CBR  
CLOSE UMATILLA ARMY DEPOT ACTIVITY UPON COMPLETION OF CHEMICAL WEAPONS DEMIL.

PO1-5 C:\COB\PO1-5.CBR  
CLOSE BAYONNE MILITARY OCEAN TERMINAL, TRANSFER MILITARY TRAFFIC MANAGEMENT  
EASTERN AREA COMMAND TO FORT MONMOUTH AND THE TRAFFIC MANAGEMENT PORTION OF  
THE 1301ST MPC TO FORT MONMOUTH. ENCLAVE NAVY TENANTS AND NATIONAL ARCHIVES.

PO1-5a C:\COB\PO1-5A.CBR  
CLOSE BAYONNE MILITARY OCEAN TERMINAL, TRANSFER MILITARY TRAFFIC MANAGEMENT  
EASTERN AREA COMMAND AND THE TRAFFIC MANAGEMENT PORTION OF THE 1301ST MPC TO  
TO FORT MONMOUTH. TRANSFER THE NAVY SEALIFT CMD AND NAVAL EXCHANGE SERVICE  
CMD, FASHION DISTRIBUTION CENTER TO LEASE SPACE AT NORFOLK, VA. ENCLAVE THE  
NATIONAL ARCHIVES.

PO2-2 C:\COB\PO2-2.CBR  
CLOSE OAKLAND ARMY BASE. TRANSFER MILITARY TRAFFIC MANAGEMENT COMMAND  
WESTERN AREA HEADQUARTERS AND THE TRAFFIC MANAGEMENT/DOCUMENTATION SUPPORT  
PORTION OF 1302ND MPC TO FORT LEWIS. ENCLAVE 124TH ARCOM UNITS.

DE1-1 C:\COB\DE1-1.CBR  
REALIGN RRAD BY TRANSFER OF AMMO STORAGE MISSION TO LSAAP, ENCLAVE DLA,  
INTERN SCHOOL AND RUBBER PRODUCTION FACILITY TO LSAAP WITH COMMAND BEING TO  
DLA, AMC HQ, AND ANAD RESPECTIVELY. TRANSFER ALL REMAINING CONVENTIONAL  
MAINTENANCE TO ANAD AND MISSILE MAINTENANCE TO LEAD. REALIGN LEAD BY  
TRANSFER ALL CONVENTIONAL MAINTENANCE TO ANAD, ENCLAVE DOD MISSILE MAINT  
WITH COMMAND BEING AT TOAD AND ENCLAVE AMMO STORAGE MISSION TO TOAD.

DE1-2 C:\COB\DE1-2.CBR  
CLOSE LEAD BY TRANSFER OF CONVENTIONAL MAINT MISION TO ANAD, LOCATE DOD  
MISSILE MISSION TO BASE X, TRANSFER AMMUNITION STORAGE MISSION BETWEEN ANAD  
AND RRAD(LSAAP) AND BASE X REMAINING TENANTS LESS DLA. REALIGN RRAD BY  
TRANSFER OF CONVENTIONAL MAINTENANCE MISSION TO ANAD, TRANSFER AMMO STORAGE  
MISSION TO LONE STAR ARMY AMMUNITION PLANT(LSAAP), ENCLAVE RUBBER PRODUCTION F  
TO LSAAP WITH COMMAND BEING ANAD, ENCLAVE DLA TO LSAAP WITH COMMAND BEING  
DLA, TRANSFER INTERN SCHOOL/CIV TNG EDUC CTR TO LSAAP AND BASE X REMAINING  
TENANT ACTIVITIES

DE2&3-1 C:\COB\DE2&3-1.CBR  
REALIGN RRAD BY TRANSFER OF AMMO STORAGE MISSION TO LSAAP, ENCLAVE DLA,  
INTERN SCHOOL AND RUBBER PRODUCTION FACILITY TO LSAAP WITH COMMAND BEING TO  
DLA, AMC HQ, AND ANAD RESPECTIVELY. TRANSFER ALL REMAINING CONVENTIONAL  
MAINTENANCE TO ANAD AND MISSILE MAINTENANCE TO LEAD. REALIGN LEAD BY  
TRANSFER ALL CONVENTIONAL MAINTENANCE TO ANAD, ENCLAVE DOD MISSILE MAINT  
WITH COMMAND BEING AT TOAD AND ENCLAVE AMMO STORAGE MISSION TO TOAD.

DE2&3-2                           C:\COB\DE2&3-2.CBR  
REALIGN LEAD BY TRANSFER OF CONVENTIONAL MAINT MISSION TO ANAD, LOCATE DOD MISSILE MISSION TO TOAD, ENCLAVE AMMUNITION STORAGE MISSION AT LEAD WITH DOD MISSILE STORAGE ALSO AT LEAD FOR MISSILE ASSEMBLY AND CERTIFICATION. CLOSE RRAD BY TRANSFER CONV MAINT MISSION TO ANAD, TRANSFER AMMO STORAGE MISSION TO LONE STAR ARMY AMMUNITION PLANT(LSAAP), ENCLAVE RUBBER PRODUCTION F TO LSAAP WITH COMMAND BEING ANAD, TRANSFER INTERN SCHOOL/CIV TNG EDUC CTR TO LSAAP AND BASE X REMAINING TENANT ACTIVITIES.

DE2&3-2L                           C:\COB\DE2&3-2L.CBR  
REALIGN CONVENTIONAL MAINTENANCE MISSION WORKLOAD TO ANNISTON ARMY DEPOT (ANAD), REALIGN DoD TACTICAL MISSILE WORKLOAD TO TOBYAHNNA ARMY DEPOT (TOAD) BY ENCLAVING STORAGE AND ALL ASSOCIATED WORK LESS GUIDANCE SYSTEM, ENCLAVE AMMUNITION STORAGE MISSION AT LETTERKENNY WITH CONTROL BEING TOAD. BASE X ASSORTED TENANT ACTIVITIES (CORPS OF ENGR, TMDE SPT #1, DFAS, MEGA CTR, CENT PA PWC), AND ELIMINATE ALL REMAINING ACTIVITIES AND PERSONNEL.

DE2&3-2R                           C:\COB\DE2&3-2R.CBR  
REALIGN RED RIVER ARMY DEPOT (RRAD) BY TRANSFER OF LIGHT COMBAT VEHICLE WORKLOAD TO ANNISTON ARMY DEPOT, TRANSFER AMMUNITION STORAGE MISSION, CIV TNG EDUC, AND INTERN SCHOOL TO LONE STAR ARMY AMMUNITION PLANT (LSAAP), TRANSFER TO BASE X THE SCHOOL OF ENGINEERING/LOGISTICS, ENCLAVE THE RUBBER PRODUCTION FACILITY TO LSAAP, AND ELIMINATE THE REMAINING ACTIVITIES/POSITIONS.

DE2&3-1                           C:\COB\DE2&3.CBR  
REALIGN RRAD BY TRANSFER OF AMMO STORAGE MISSION TO LSAAP, ENCLAVE DLA, INTERN SCHOOL AND RUBBER PRODUCTION FACILITY TO LSAAP WITH COMMAND BEING TO DLA, AMC HQ, AND ANAD RESPECTIVELY. TRANSFER ALL REMAINING CONVENTIONAL MAINTENANCE TO ANAD AND MISSILE MAINTENANCE TO LEAD. REALIGN LEAD BY TRANSFER ALL CONVENTIONAL MAINTENANCE TO ANAD, ENCLAVE DOD MISSILE MAINT WITH COMMAND BEING AT TOAD AND ENCLAVE AMMO STORAGE MISSION TO TOAD.

DE2-1                               C:\COB\DE2-1.CBR  
REALIGN LEAD BY TRANSFER CONVENTIONAL MAINTENANCE MISSION TO RRAD AND ENCLAVE THE AMMO STORAGE MISSION AND DOD MISSILE CONSOLIDATION MISSION AT LEAD WITH C&C AT TOAD

DE2-2                               C:\COB\DE2-2.CBR  
REALIGN LEAD BY TRANSFER OF ALL MAINTENANCE MISSIONS TO RRAD AND ENCLAVE AMMO STORAGE MISSION TO TOAD. TRANSFER LOGSA, SIMA, DFAS, TMDE REGION 1, MEA, CENT PA PWC, AND MEGA CENTER TO BASE X, ANOTHER INSTALLATION OR ELIMINATE.

DE3-1                               C:\COB\DE3-1.CBR  
REALIGN RRAD BY MOVING M113 MISSION TO ANAD, TRANSFER AMMO STORAGE AND ENCLAVE RUBBER PRODUCTION MISSION TO LSAAP WITH CONTROL BEING THE RESPONSIBILITY OF ANAD AND TRANSFER ALL REMAINING MAINTENANCE MISSIONS AND DOD MISSILE CONSOLIDATION PROGRAM TO LEAD.



DE3-2 C:\COB\DE3-2.CBR  
REALIGN RRAD BY MOVING BFVS MISSION TO ANAD, TRANSFER AMMO STORAGE TO LSAAP AND ENCLAVE RUBBER PRODUCTION MISSION TO LSAAP WITH CONTROL BEING THE RESPONSIBILITY OF ANAD. TRANSFER ALL REMAINING MAINTENANCE MISSIONS AND MISSILE PROGRAMS TO LEAD. THE MLRS MISSION (BFV MOUNTED) GOES TO LEAD.

C03-1 C:\COB\IF1-1.CBR  
Realign Detroit Tank Plant, eliminate all positions both military and civilian and mothball equipment. Facility is a GOCO run by General dynamics with no production requirements at this time.

IF2-1 C:\COB\IF2-1.CBR  
STRATFORD ARMY ENGINE PLANT IS A GOCO PRODUCING BOTH AVN ENGINES AND GROUND SYSTEMS ENGINES WITH TEXTRON LYCOMING BEING THE CONTRACTOR. CLOSE STRATFORD, ELIMINATE ALL PERSONNEL POSITIONS, AND TRANSFER ALL GROUND SYSTEMS EQUIPMENT TO ANAD AND ALL AVIATION EQUIPMENT TO CCAD.

IF2-3 C:\COB\IF2-3.CBR  
STRATFORD ARMY ENGINE PLANT IS A GOCO PRODUCING BOTH AVN ENGINES AND GROUND SYSTEMS ENGINES WITH TEXTRON LYCOMING BEING THE CONTRACTOR. CLOSE STRATFORD, ELIMINATE ALL PERSONNEL POSITIONS, AND TRANSFER ALL GROUND SYSTEMS EQUIPMENT TO ANAD AND ALL AVIATION EQUIPMENT TO CCAD. HAVE THE CONTRACTOR COLLOCATE ITS R&D DIVISION AND ITS PRODUCT ENHANCEMENT DIVISION TO ANAD AS A "PARTNERSHIP" BETWEEN INDUSTRY & GOVERNMENT TO ENHANCE TECHNOLOGY.

JANAD-MCA-1 C:\COB\JANADMCA.CBR  
TRANSFER 232,000 DLH's OF GROUND GENERAL PURPOSE ITEMS (SMALL ARMS/ PERSONAL WEAPONS) FROM ANNISTON ARMY DEPOT (ANAD) TO MARINE CORPS LOGISTICS BASE - ALBANY (MCLB-A).

JCCAD-CH-1 C:\COB\JCCADCH1.CBR  
TRANSFER 5,000 DLH's OF AIRCRAFT COMPONENTS (APUs) WORKLOAD FROM CHORPUS CHRISTI ARMY DEPOT (CCAD) TO NAVAL AVIATION DEPOT CHERRY POINT (NADEP-CH).

JCCAD-CH-2 C:\COB\JCCADCH2.CBR  
TRANSFER 206,000 DLH's OF GAS TURBINE ENGINES (AIRCRAFT) FROM CORPUS CHRISTI ARMY DEPOT (CCAD) TO NAVAL AVIATION DEPOT CHERRY POINT (NADEP-CH).

JCCAD-NI-1 C:\COB\JCCADNI1.CBR  
TRANSFER 7,000 DLH's OF AIRCRAFT COMPONENTS (AVIONICS/ELECTRONICS) WORKLOAD FROM CORPUS CHRISTI ARMY DEPOT (CCAD) TO NAVAL AVIATION DEPOT NORTH ISLAND (NADEP-NI).

JCCAD-OO-1 C:\COB\JCCADOO1.CBR  
TRANSFER 10,000 DLH"s FROM ALC-OO TO CCAD IN BEARINGS REFURBISHMENT WORKLOAD.

JCCAD-OO-2 C:\COB\JCCADOO2.CBR  
TRANSFER 11,000 DLH's OF AIRCRAFT COMPONENT (LANDING GEAR) WORKLOAD FROM CORPUS CHRISTI ARMY DEPOT TO AIR LOGISTICS CENTER - OGDEN (HILL AFB).

JDE2-10C C:\COB\JDE2-10.CBR  
TRANSFER 385,752 DLH's OF MISSILE AND MISSILE COMPONENT (TACTICAL/MLRS)  
WORKLOAD FROM LETTERKENNY ARMY DEPOT TO ANNISTON ARMY DEPOT, ANOTHER  
48,192 DLH's TO MARINE CORPS LOGISTICS BASE-BARSTOW (MCLB-BARSTOW), AND  
89,056 DLH's TO THE AIR LOGISTICS CENTER-OGDEN (ALC-OGDEN). TRANSFER  
416,000 DLH's OF GROUND COMBAT VEHICLES (SELF-PROPELLED) TO  
ANNISTON ARMY DEPOT AND AN ADDITIONAL 42,000 DLH's OF GROUND COMBAT  
VEHICLES (TOWED COMBAT VEHICLES) TO MARINE CORPS LOGISTICS BASE-  
BARSTOW. TRANSFER OF DLH's REPRESENTS 981,000 TOTAL HOURS.

JDE2-10-1 C:\COB\JDE2-101.CBR  
TRANSFER 385,752 DLH's OF MISSILES AND MISSILE COMPONENTS (TACTICAL/MLRS)  
WORKLOAD FROM LETTERKENNY ARMY DEPOT (LEAD) TO ANNISTON ARMY DEPOT (ANAD).

JDE2-10/2 C:\COB\JDE2-102.CBR  
TRANSFER 48,192 DLH's OF MISSILES AND MISSILE COMPONENTS (TACTICAL/MLRS)  
WORKLOAD FROM LETTERKENNY ARMY DEPOT (LEAD) TO MARINE CORPS LOGISTICS  
BASE-BARSTOW (MCLB-B).

JDE2-10/3 C:\COB\JDE2-103.CBR  
TRANSFER 89,056 DLH's OF MISSILE AND MISSILE COMPONENTS (TACTICAL/MLRS)  
WORKLOAD FROM LETTERKENNY ARMY DEPOT (LEAD) TO AIR LOGISTICS CENTER-OGDEN  
(ALC-OO).

JDE2-10C C:\COB\JDE2-10C.CBR  
TRANSFER 385,752 DLH's OF MISSILE AND MISSILE COMPONENT (TACTICAL/MLRS)  
WORKLOAD FROM LETTERKENNY ARMY DEPOT TO ANNISTON ARMY DEPOT, ANOTHER  
48,192 DLH's TO MARINE CORPS LOGISTICS BASE-BARSTOW (MCLB-BARSTOW), AND  
89,056 DLH's TO THE AIR LOGISTICS CENTER-OGDEN (ALC-OGDEN). TRANSFER  
416,000 DLH's OF GROUND COMBAT VEHICLES (SELF-PROPELLED) TO  
ANNISTON ARMY DEPOT AND AN ADDITIONAL 42,000 DLH's OF GROUND COMBAT  
VEHICLES (TOWED COMBAT VEHICLES) TO MARINE CORPS LOGISTICS BASE-  
BARSTOW. TRANSFER OF DLH's REPRESENTS 981,000 TOTAL HOURS.

JDE2-11 C:\COB\JDE2-11.CBR  
TRANSFER 416,000 DLH's OF SELF-PROPELLED ARTILLERY WORKLOAD FROM  
LETTERKENNY ARMY DEPOT TO ANNISTON ARMY DEPOT.

JDE2-10C\$ C:\COB\JDE210C\$.CBR  
TRANSFER 385,752 DLH's OF MISSILE AND MISSILE COMPONENT (TACTICAL/MLRS)  
WORKLOAD FROM LETTERKENNY ARMY DEPOT TO ANNISTON ARMY DEPOT, ANOTHER  
48,192 DLH's TO MARINE CORPS LOGISTICS BASE-BARSTOW (MCLB-BARSTOW), AND  
89,056 DLH's TO THE AIR LOGISTICS CENTER-OGDEN (ALC-OGDEN). TRANSFER  
416,000 DLH's OF GROUND COMBAT VEHICLES (SELF-PROPELLED) TO  
ANNISTON ARMY DEPOT AND AN ADDITIONAL 42,000 DLH's OF GROUND COMBAT  
VEHICLES (TOWED COMBAT VEHICLES) TO MARINE CORPS LOGISTICS BASE-  
BARSTOW. \*\*\*SEE CONTINUATION SHEET\*\*\*

JDE3-12 C:\COB\JDE3-12.CBR  
TRANSFER 1,142,000 DLH's IN TRACKED COMBAT VEHICLE WORKLOAD FROM RED  
RIVER ARMY DEPOT TO ANNISTON ARMY DEPOT.

JDE3-13

C:\COB\JDE3-13.CBR

TRANSFER 106,000 DLH's OF TRACKED COMBAT VEHICLE COMPONENT WORKLOAD FROM RED RIVER ARMY DEPOT TO ANNISTON ARMY DEPOT.

JDE3-17

C:\COB\JDE3-17.CBR

TRANSFER 58,000 DLH's OF MISSILE AND MISSILE COMPONENT (TACTICAL/MLRS) WORKLOAD FROM RED RIVER ARMY DEPOT (RRAD) TO ANNISTON ARMY DEPOT (ANAD).

JDE3-1C\$

C:\COB\JDE3-1C\$.CBR

TRANSFER 58,000 DLH's OF MISSILE AND MISSILE COMPONENTS (TACTICAL/MLRS), 1,142,000 DLH's OF GROUND COMBAT VEHICLES (TANKS), AND 106,000 DLH's OF GROUND COMBAT VEHICLES (COMPONENTS (LESS GTE)) WORKLOAD FROM RED RIVER ARMY DEPOT (RRAD) TO ANNISTON ARMY DEPOT (ANAD) AND AN ADDITIONAL 17,000 DLH's OF AUTOMOTIVE/CONSTRUCTION EQUIPMENT WORKLOAD FROM RED RIVER TO MARINE CORPS LOGISTICS BASE-ALBANY (MCLB-A). REALIGN TO BASE "X" GSA, DEFENSE PRINTING, AAFES, DRMO, DEFENSE DEPOT TRACY, AND THE SCHOOL OF ENGINEERING AND LOGISTICS FROM RRAD. \*\*\*CONTINUE ON SUMMARY PAGE\*\*\*

JDE3-1C

C:\COB\JDE3-1C.CBR

TRANSFER 58,000 DLH's OF MISSILE AND MISSILE COMPONENTS (TACTICAL/MLRS), 1,142,000 DLH's OF GROUND COMBAT VEHICLES (TANKS), AND 106,000 DLH's OF GROUND COMBAT VEHICLES (COMPONENTS (LESS GTE)) WORKLOAD FROM RED RIVER ARMY DEPOT (RRAD) TO ANNISTON ARMY DEPOT (ANAD) AND AN ADDITIONAL 17,000 DLH's OF AUTOMOTIVE/CONSTRUCTION EQUIPMENT WORKLOAD FROM RED RIVER TO MARINE CORPS LOGISTICS BASE-ALBANY (MCLB-A).

JDE5-14

C:\COB\JDE5-14.CBR

TRANSFER 59,000 DLH's OF MISSILE AND MISSILE COMPONENTS (TACTICAL/MLRS) WORKLOAD FROM TOBYHANNA ARMY DEPOT (TOAD) TO ANNISTON ARMY DEPOT (ANAD).

JDE5-15

C:\COB\JDE5-15.CBR

TRANSFER 79,000 DLH's OF GROUND & SHIPBOARD COMMUNICATION & ELECTRONIC EQUIPMENT (RADAR) WORKLOAD FROM TOBYHANNA ARMY DEPOT (TOAD) TO AIR LOGISTICS CENTER - SACRAMENTO (ALC-SM).

JDE5-16

C:\COB\JDE5-16.CBR

TRANSFER 8,000 DLH's OF GROUND & SHIPBOARD COMMUNICATION & ELECTRONIC EQUIPMENT (NAVIGATIONAL AIDS) WORKLOAD FROM TOBYHANNA ARMY DEPOT (TOAD) TO AIR LOGISTICS CENTER - SACRAMENTO (ALC-SM).

JDE5-1C

C:\COB\JDE5-1C.CBR

TRANSFER 271,000 DLH's OF AIRCRAFT COMPONENTS (AIRCRAFT STRUCTURES) WORKLOAD TO NAVAL AVIATION DEPOT-NORTH ISLAND (NADEP-NI), 59,000 DLH's OF MISSILE AND MISSILE COMPONENTS (TACTICAL/MLRS) WORKLOAD TO ANNISTON ARMY DEPOT (ANAD), 79,000 DLH's OF GROUND AND SHIPBOARD COMMUNICATION AND ELECTRONIC EQUIPMENT (RADAR) AND 8,000 DLH's OF GROUND AND SHIPBOARD COMMUNICATION AND ELECTRONIC EQUIPMENT (NAVIGATIONAL AIDS) TO AIR LOGISTICS CENTER-SACRAMENTO (ALC-SM) FROM TOBYHANNA ARMY DEPOT (TOAD).

JDE7-1C C:\COB\JDE7-1C.CBR  
TRANSFER FROM CORPUS CHRISTI ARMY DEPOT (CCAD) 11,000 DLH's OF AIRCRAFT COMPONENTS (LANDING GEAR) WORKLOAD TO AIR LOGISTICS CENTER-OGDEN (ALC-00), 7,000 DLH's OF AIRCRAFT COMPONENTS (AVIONICS/ELECTRONICS) WORKLOAD TO NAVAL DEPOT-NORTH ISLAND (NADEP-NI), 5,000 DLH's OF AIRCRAFT COMPONENTS (APUs) WORKLOAD TO NAVAL DEPOT-CHERRY POINT (NADEP-CH), AND 206,000 DLH's OF ENGINES (GAS TURBINE) (AIRCRAFT) TO NAVAL DEPOT-CHERRY POINT (NADEP-CH).

JDE8-1C C:\COB\JDE8-1C.CBR  
TRANSFER 232,000 DLH's OF GROUND GENERAL PURPOSE ITEMS (SMALL ARMS/PERSONAL WEAPONS) FROM ANNISTON ARMY DEPOT (ANAD) TO MARINE CORPS LOGISTICS BASE - ALBANY (MCLB-A).

JDE2-10/1 C:\COB\JED2-101.CBR  
TRANSFER 385,752 DLH's OF TACTICAL MISSILE WORKLOAD FROM LETTERKENNY ARMY DEPOT (LEAD) TO ANNISTON ARMY DEPOT (ANAD).

JLEAD-MCB-1 C:\COB\JLEADMCB.CBR  
TRANSFER 42,000 DLH's OF GROUND COMBAT VEHICLES (TOWED COMBAT VEHICLES) WORKLOAD FROM LETTERKENNY ARMY DEPOT TO MARINE CORPS LOGISTICS BASE - BARSTOW (MCLB-B).

JRRAD-MCA-1 C:\COB\JRRADMCA.CBR  
TRANSFER 17,000 DLH's OF AUTOMOTIVE/CONSTRUCTION EQUIPMENT WORKLOAD FROM RED RIVER ARMY DEPOT (RRAD) TO MARINE CORPS LOGISTICS BASE - ALBANY (MCLB-A).

JTOAD-NI-1 C:\COB\JTOADNI1.CBR  
TRANSFER 271,000 DLH's OF AIRCRAFT COMPONENTS (AVIONICS/ELECTRONICS) FROM TOBYHANNA ARMY DEPOT TO NAVAL AVIATION DEPOT NORTH ISLAND.

AS4-1 C:\COB\AS4-1.CBR  
CLOSE SAVANNA DEPOT. TRANSFER US ARMY AMMUNITION CENTER & SCHOOL TO ROCK ISLAND ARSENAL. FUNDING FOR FY97 IS IN DOUBT FOR DEMIL OF TIER III STATIC AMMUNITION STOCKS, WHICH COULD CAUSE DEMIL TIMELINES TO GO BEYOND BRAC95 TIMELINE.

IF2-2 C:\COB\STRAT-2.CBR  
CLOSE STRATFORD ARMY ENGINE PLANT, ELIMINATE CONTRACTORS (GOCO), AND MOTHBALL FACILITY

IF2 C:\COB\STRATFOR.CBR  
STRATFORD ARMY ENGINE PLANT IS A GOCO PRODUCING BOTH AVN ENGINES AND GROUND SYSTEMS ENGINES WITH TEXTRON LYCOMING BEING THE CONTRACTOR. CLOSE STRATFORD, ELIMINATE ALL PERSONNEL POSITIONS, AND TRANSFER ALL GROUND SYSTEMS EQUIPMENT TO ANAD AND ALL AVIATION EQUIPMENT TO CCAD.

TE1-2X1 C:\COB\TE1-2X1.CBR  
JOINT T&E SCENARIO: CONSOLIDATE ROTARY WING TESTING AT EDWARDS AFB  
JOINT ALTERNATIVE TE-1(AV): REALIGN ATTC FT RUCKER  
INCLUDES MOVEMENT OF MIXED A/C USING THEATER ARMY AVN CO (W/ FW) 15 A/C  
AAA AUDIT REPAIRS

AS4-2 C:\COB\AS4-2.CBR  
CLOSE SAVANNA DEPOT. TRANSFER US ARMY AMMUNITION CENTER & SCHOOL TO RED STONE  
ARSENAL.

AS4-3 C:\COB\AS4-3.CBR  
CLOSE SAVANNA ARMY DEPOT AND TRANSFER U.S. ARMY DEFENSE AMMUNITION CENTER &  
SCHOOL TO YUMA PROVING GROUND. FUNDING FOR FY97 IS IN DOUBT FOR DEMIL OF TIER  
III STATIC AMMUNITION STOCKS, WHICH COULD CAUSE DEMIL TIMELINES TO GO BEYOND  
BRAC95 TIMELINE. THIS POTENTIAL FUNDING SHORTFALL COULD BE UNDERWRITTEN WITH  
BRAC FUNDS.

AS4-4b C:\COB\AS4-4B.CBR  
CLOSE SAVANNA ARMY DEPOT. REALIGN US ARMY DEFENSE AMMUNITION CENTER & SCHOOL  
TO McALESTER AAP. TRANSFER NON-AMMO STORED MATERIAL WITH THE EXCEPTION OF ORE  
WHICH WILL BE ENCLAVED.

AS4-5 C:\COB\AS4-5.CBR  
CLOSE SAVANNA ARMY DEPOT. REALIGN US ARMY AMMUNITION CENTER & SCHOOL TO  
RED RIVER ARMY DEPOT. FUNDING FOR FY97 IS IN DOUBT FOR DEMIL OF TIER III  
STATIC AMMUNITION STOCKS, WHICH COULD CAUSE DEMIL TO GO BEYOND BRAC95 TIMELINE  
BRAC95 FUNDING MAY HAVE TO BE IDENTIFIED FOR TRANSFER OF AMMO STOCKS TO MEET  
TIMELINE.

PO1-1 C:\COB\PO1-1.CBR  
CLOSE BAYONNE MILITARY OCEAN TERMINAL AND TRANSFER MILITARY TRAFFIC MANAGEMENT  
EASTERN AREA COMMAND TO FORT EUSTIS

PO1-2 C:\COB\PO1-2.CBR  
CLOSE BAYONNE MOT AND MOVE MTMC EASTERN AREA COMMAND TO CHARLESTON NSY

PO1-3 C:\COB\PO1-3.CBR  
CLOSE BAYONNE MOT AND MOVE MTMC EASTERN AREA COMMAND TO SUNNYPOINT MOT.

PO1-4 C:\COB\PO1-4.CBR  
CLOSE BAYONNE MOT AND MOVE MTMC EASTERN AREA COMMAND TO NORFOLK NAVAL STATION.

PO1-5A1 C:\COB\PO1-5A1.CBR  
CLOSE BAYONNE MILITARY OCEAN TERMINAL, TRANSFER MILITARY TRAFFIC MANAGEMENT  
EASTERN AREA COMMAND AND THE TRAFFIC MANAGEMENT PORTION OF THE 1301ST MPC TO  
TO FORT MONMOUTH. TRANSFER THE NAVY SEALIFT CMD AND NAVAL EXCHANGE SERVICE  
CMD, FASHION DISTRIBUTION CENTER TO NORFOLK NAVAL STATION, VA. ENCLAVE THE  
NATIONAL ARCHIVES.

PO1-5a2 C:\COB\PO1-5A2.CBR  
CLOSE BAYONNE MILITARY OCEAN TERMINAL, TRANSFER MILITARY TRAFFIC MANAGEMENT EASTERN AREA COMMAND TO FORT MONMOUTH AND THE TRAFFIC MANAGEMENT PORTION OF THE 1301ST MPC TO FORT MONMOUTH. ENCLAVE NAVY TENANTS AND NATIONAL ARCHIVES.

PO1-5b C:\COB\PO1-5B.CBR  
CLOSE BAYONNE MILITARY OCEAN TERMINAL, TRANSFER MILITARY TRAFFIC MANAGEMENT EASTERN AREA COMMAND AND THE TRAFFIC MANAGEMENT PORTION OF THE 1301ST MPC TO FORT MONMOUTH. TRANSFER THE NAVY SEALIFT CMD AND NAVAL EXCHANGE SERVICE CMD, FASHION DISTRIBUTION CENTER TO NORFOLK NAVAL STATION, VA. ENCLAVE THE NATIONAL ARCHIVES.

PO1-5c C:\COB\PO1-5C.CBR  
CLOSE BAYONNE MILITARY OCEAN TERMINAL, TRANSFER MILITARY TRAFFIC MANAGEMENT EASTERN AREA COMMAND AND THE TRAFFIC MANAGEMENT PORTION OF THE 1301ST MPC TO FORT MONMOUTH. TRANSFER THE NAVY SEALIFT CMD AND NAVAL EXCHANGE SERVICE CMD, FASHION DISTRIBUTION CENTER TO NORFOLK NAVAL STATION, VA. ENCLAVE THE NATIONAL ARCHIVES.

PO1-5d C:\COB\PO1-5D.CBR  
CLOSE BAYONNE MILITARY OCEAN TERMINAL, TRANSFER MILITARY TRAFFIC MANAGEMENT EASTERN AREA COMMAND AND THE TRAFFIC MANAGEMENT PORTION OF THE 1301ST MPC TO FORT MONMOUTH. TRANSFER THE NAVY SEALIFT CMD AND NAVAL EXCHANGE SERVICE CMD, FASHION DISTRIBUTION CENTER TO LEASE SPACE AT NORFOLK, VA. ENCLAVE THE NATIONAL ARCHIVES.

PO1-5NAV C:\COB\PO1-5NAV.CBR  
CLOSE BAYONNE MILITARY OCEAN TERMINAL, TRANSFER MILITARY TRAFFIC MANAGEMENT EASTERN AREA COMMAND AND THE TRAFFIC MANAGEMENT PORTION OF THE 1301ST MPC TO FORT MONMOUTH. TRANSFER THE NAVY SEALIFT CMD AND NAVAL EXCHANGE SERVICE CMD, FASHION DISTRIBUTION CENTER TO NORFOLK NAVAL STATION, VA. ENCLAVE THE NATIONAL ARCHIVES.

PO1-5WB C:\COB\PO1-5WB.CBR  
CLOSE BAYONNE MILITARY OCEAN TERMINAL, TRANSFER MILITARY TRAFFIC MANAGEMENT EASTERN AREA COMMAND TO FORT MONMOUTH AND THE TRAFFIC MANAGEMENT PORTION OF THE 1301ST MPC TO FORT MONMOUTH. ENCLAVE NAVY TENANTS AND NATIONAL ARCHIVES. WARM BASE ENCLAVE FOR MTMC CONTINGENCY CAPABILITY. WARMBASE MTMC LRC/OOTW CAPABILITY.

PO1-5WB1 C:\COB\PO1-5WB1.CBR  
CLOSE BAYONNE MILITARY OCEAN TERMINAL, TRANSFER MILITARY TRAFFIC MANAGEMENT EASTERN AREA COMMAND TO FORT MONMOUTH AND THE TRAFFIC MANAGEMENT PORTION OF THE 1301ST MPC TO FORT MONMOUTH. ENCLAVE NAVY TENANTS AND NATIONAL ARCHIVES.

PO1-5WB2 C:\COB\PO1-5WB2.CBR  
CLOSE BAYONNE MILITARY OCEAN TERMINAL, TRANSFER MILITARY TRAFFIC MANAGEMENT EASTERN AREA COMMAND TO FORT MONMOUTH AND THE TRAFFIC MANAGEMENT PORTION OF THE 1301ST MPC TO FORT MONMOUTH. ENCLAVE NAVY TENANTS AND NATIONAL ARCHIVES.

PO2-1 C:\COB\PO2-1.CBR  
CLOSE OAKLAND ARMY BASE. TRANSFER MILITARY TRAFFIC MANAGEMENT COMMAND WESTERN  
AREA HEADQUARTERS TO CONCORD NAVAL WEAPONS STATION.

PO2-2 C:\COB\PO2-2A.CBR  
CLOSE OAKLAND ARMY BASE. TRANSFER MILITARY TRAFFIC MANAGEMENT COMMAND  
WESTERN AREA HEADQUARTERS AND THE TRAFFIC MANAGEMENT/DOCUMENTATION SUPPORT  
PORTION OF 1302ND MPC TO FORT LEWIS. ENCLAVE 124TH ARCOM UNITS.

PO2-2 C:\COB\PO2-2B.CBR  
REALIGN OAKLAND ARMY BASE. TRANSFER MILITARY TRAFFIC MANAGEMENT COMMAND  
WESTERN AREA HEADQUARTERS TO FORT LEWIS. TRANSFER SELECTED PORTIONS OF 1302ND  
MPC WHICH SUPPORTS WESTERN AREA DOCUMENTATION TO FORT LEWIS. ENCLAVE 124TH  
ARCOM UNITS.

PO2-2 C:\COB\PO2-2C.CBR  
CLOSE OAKLAND ARMY BASE. TRANSFER MILITARY TRAFFIC MANAGEMENT COMMAND  
WESTERN AREA HEADQUARTERS AND THE TRAFFIC MANAGEMENT/DOCUMENTATION SUPPORT  
PORTION OF 1302ND MPC TO FORT LEWIS. ENCLAVE 124TH ARCOM UNITS.

(Scenario Data File) C:\COB\PG00.CBR

PG2-1 C:\COB\PG2-1.CBR  
REALIGN FUNCTIONS ALREADY PERFORMED IN PART TO THE ARMY INSTALLATIONS  
WHERE THAT WORK IS BEING DONE.

PG2-2 C:\COB\PG2-2.CBR  
CONSOLIDATE PG WORK TO EXISTING PGs. SUPPORTS WESTERN TEST COMPLEX  
CONCEPT.  
AGGRESSIVE ELIMINATIONS IN BASOPS AREA (329)  
WARM BED PERSONNEL NOT JUST MAINTENANCE; INCLUDES CHEM/BIO PEOPLE  
EXCESS MILITARY TO BASE X  
LEAVES DA CIVS AND MILITARY WORKERS AS CARETAKERS

PG2-2X1 C:\COB\PG2-2X1.CBR  
CONSOLIDATE PG WORK TO EXISTING PGs. SUPPORTS WESTERN TEST COMPLEX  
CONCEPT.  
RELOCATE TECOM TO WSMR

PG2-2X2 C:\COB\PG2-2X2.CBR  
CONSOLIDATE PG WORK TO EXISTING PGs. SUPPORTS WESTERN TEST COMPLEX  
CONCEPT.  
AGGRESSIVE ELIMINATIONS. ONLY TESTERS MOVED.  
CARETAKER FORCE 80 CIV 50 MIL.  
COMMUTER FORCE, NO BILLETS ON SITE. SAFARI TEST SITE FROM TOOELE, UT.

PG2-2X3 C:\COB\PG2-2X3.CBR  
CONSOLIDATE PG WORK TO EXISTING PGs. SUPPORTS WESTERN TEST COMPLEX  
AGGRESSIVE ELIMINATIONS IN BASOPS AREA (329)  
WARM BED PERSONNEL NOT JUST MAINTENANCE; INCLUDES CHEM/BIO PEOPLE  
EXCESS MILITARY TO BASE X  
LEAVES DA CIVS AND MILITARY WORKERS AS STAY-BEHIND FORCE  
INCLUDES \$2.6M TDY COSTS FOR SAFARI TESTING(131) BASED ON 600K DLH TESTING

PG2-99 C:\COB\PG2-99.CBR  
CONSOLIDATE PG WORK TO EXISTING PGs. SUPPORTS WESTERN TEST COMPLEX  
CONCEPT.  
AGGRESSIVE ELIMINATIONS IN BASOPS AREA (464) CONTRACT CARETAKERS (209)  
EXCESS MILITARY TO BASE X  
MISC RECUR COSTS REFLECT CONTRACTOR SALARIES AND PER DIEM FOR REMAINDER

TE1-1 C:\COB\TE1-1.CBR  
JOINT T&E SCENARIO: CONSOLIDATE ROTARY WING TESTING AT YPG  
JOINT ALTERNATIVE TE-1(AV): REALIGN ATTC FT RUCKER  
INCLUDES MOVEMENT OF MIXED A/C USING THEATER ARMY AVN CO (W/ FW) 15 A/C

TE1-1X1 C:\COB\TE1-1X1.CBR  
JOINT T&E SCENARIO: CONSOLIDATE ROTARY WING TESTING AT YPG  
JOINT ALTERNATIVE TE-1(AV): REALIGN ATTC FT RUCKER  
INCLUDES MOVEMENT OF MIXED A/C USING THEATER ARMY AVN CO (W/ FW) 15 A/C  
AAA AUDIT DATA REPAIRED

TE1-2 C:\COB\TE1-2.CBR  
JOINT T&E SCENARIO: CONSOLIDATE ROTARY WING TESTING AT EDWARDS AFB  
JOINT ALTERNATIVE TE-1(AV): REALIGN ATTC FT RUCKER  
INCLUDES MOVEMENT OF MIXED A/C USING THEATER ARMY AVN CO (W/ FW) 15 A/C

TE1-3 C:\COB\TE1-3.CBR  
JOINT T&E SCENARIO: CONSOLIDATE ROTARY WING TESTING AT PAX RIVER  
JOINT ALTERNATIVE TE-1(AV): REALIGN ATTC FT RUCKER  
INCLUDES MOVEMENT OF MIXED A/C USING THEATER ARMY AVN CO (W/ FW) 15 A/C

TE1-4 C:\COB\TE1-4.CBR  
JOINT T&E SCENARIO: CONSOLIDATE ROTARY WING TESTING AT YPG  
JOINT ALTERNATIVE TE-1(AV): REALIGN ATTC FT RUCKER & AQTD EDWARDS  
INCLUDES MOVEMENT OF MIXED A/C USING THEATER ARMY AVN CO (W/ FW) 30 A/C

TE1-4X1 C:\COB\TE1-4X1.CBR  
JOINT T&E SCENARIO: CONSOLIDATE ROTARY WING TESTING AT YPG  
JOINT ALTERNATIVE TE-1(AV): REALIGN ATTC FT RUCKER & AQTD EDWARDS  
INCLUDES MOVEMENT OF MIXED A/C USING THEATER ARMY AVN CO (W/ FW) 30 A/C  
AAA AUDIT REPAIRS



TE1-1 C:\COB\TE1-99.CBR  
JOINT T&E SCENARIO: CONSOLIDATE ROTARY WING TESTING AT YPG  
JOINT ALTERNATIVE TE-1(AV): REALIGN ATTC FT RUCKER  
INCLUDES MOVEMENT OF MIXED A/C USING THEATER ARMY AVN CO (W/ FW) 15 A/C

TE1-2 C:\COB\TE1-9X.CBR  
JOINT T&E SCENARIO: CONSOLIDATE ROTARY WING TESTING AT EDWARDS AFB  
JOINT ALTERNATIVE TE-1(AV): REALIGN ATTC FT RUCKER  
INCLUDES MOVEMENT OF MIXED A/C USING THEATER ARMY AVN CO (W/ FW) 15 A/C

TE2-1 C:\COB\TE2-1.CBR  
JOINT T&E SCENARIO: CONSOLIDATE ROTARY WING TESTING AT YPG  
JOINT ALTERNATIVE TE-1(AV): REALIGN AQTD EDWARDS  
INCLUDES MOVEMENT OF MIXED A/C USING THEATER ARMY AVN CO (W/ FW) 15 A/C

TE2-1X1 C:\COB\TE2-1X1.CBR  
JOINT T&E SCENARIO: CONSOLIDATE ROTARY WING TESTING AT YPG  
JOINT ALTERNATIVE TE-1(AV): REALIGN AQTD EDWARDS  
INCLUDES MOVEMENT OF MIXED A/C USING THEATER ARMY AVN CO (W/ FW) 15 A/C  
AAA AUDIT REPAIRS

TE2-3 C:\COB\TE2-3.CBR  
JOINT T&E SCENARIO: CONSOLIDATE ROTARY WING TESTING AT PAX RIVER  
JOINT ALTERNATIVE TE-1(AV): REALIGN AQTD EDWARDS  
INCLUDES MOVEMENT OF MIXED A/C USING THEATER ARMY AVN CO (W/ FW) 15 A/C

TE3-1 C:\COB\TE3-1.CBR  
JOINT T&E SCENARIO: CONSOLIDATE ROTARY WING TESTING AT YPG  
JOINT ALTERNATIVE TE-1(AV): REALIGN RTTC REDSTONE  
INCLUDES ONE-TIME COST FOR PURCHASE OF TEST EQUIP OF \$65M  
79 CONTRACTORS WILL NEED TO BE HIRED  
\$72K FOR SHIPPING HELLFIRES FOR TESTS ANNUALLY

TE3-2 C:\COB\TE3-2.CBR  
JOINT T&E SCENARIO: MOVE RTTC TESTING OF MF-E,G, & OAR TO WSMR  
JOINT ALTERNATIVE TE-1(AV): REALIGN RTTC REDSTONE  
INCLUDES ONE-TIME COST FOR PURCHASE OF TEST EQUIP OF \$38M  
79 CONTRACTORS WILL NEED TO BE HIRED  
\$72K FOR SHIPPING HELLFIRES FOR TESTS ANNUALLY

TE3-3 C:\COB\TE3-3.CBR  
JOINT T&E SCENARIO: CONSOLIDATE ROTARY WING TESTING AT NAWC POINT MUGU, CA  
JOINT ALTERNATIVE TE-1(AV): REALIGN RTTC REDSTONE  
ONE-TIME UNIQUE SAVINGS AS COST AVOIDANCE FOR MILCON OF TEST CHAMBER \$502K  
MILCON MODIFY READY MISSILE TEST FACILTY FOR HELLFIRE \$128K

TE3-3X1 C:\COB\TE3-3X1.CBR  
JOINT T&E SCENARIO: CONSOLIDATE ROTARY WING TESTING AT NAWC POINT MUGU, CA  
JOINT ALTERNATIVE TE-1(AV): REALIGN RTTC REDSTONE  
ONE-TIME UNIQUE SAVINGS AS COST AVOIDANCE FOR MILCON OF TEST CHAMBER \$502K  
MILCON MODIFY READY MISSILE TEST FACILTY FOR HELLFIRE \$128K  
AAA AUDIT REPAIRS

TE3-4 C:\COB\TE3-4.CBR  
JOINT T&E SCENARIO: CONSOLIDATE ROTARY WING TESTING AT NAWC CHINA LAKE, CA  
JOINT ALTERNATIVE TE-1(AV): REALIGN RTTC REDSTONE  
RECURRING SAVINGS FROM PATRIOT ROCKET MOTOR AGING ADDED WITH TRIDENT  
RECURRING SAVINGS FROM SLED TRACK MAINTENANCE TERMINATION AT RTTC  
ONE TIME COST FOR INSTRUMENTATION INSTALLATION AND SAVINGS BY ELIMINATING  
NEED TO INSTALL THRUST ROCKET MOTOR TEST STAND

TE3-4X1 C:\COB\TE3-4X1.CBR  
JOINT T&E SCENARIO: CONSOLIDATE ROTARY WING TESTING AT NAWC CHINA LAKE, CA  
JOINT ALTERNATIVE TE-1(AV): REALIGN RTTC REDSTONE  
RECURRING SAVINGS FROM PATRIOT ROCKET MOTOR AGING ADDED WITH TRIDENT  
RECURRING SAVINGS FROM SLED TRACK MAINTENANCE TERMINATION AT RTTC  
ONE TIME COST FOR INSTRUMENTATION INSTALLATION AND SAVINGS BY ELIMINATING  
NEED TO INSTALL THRUST ROCKET MOTOR TEST STAND  
AAA AUDIT REPAIRS

TE3-6 C:\COB\TE3-6.CBR  
JOINT T&E SCENARIO: CONSOLIDATE ROTARY WING TESTING OAR AT EGLIN AFB  
JOINT ALTERNATIVE TE-4(A/W): REALIGN RTTC REDSTONE

TET-T C:\COB\TET-T.CBR  
JOINT T&E SCENARIO: CONSOLIDATE ROTARY WING TESTING AT YPG  
JOINT ALTERNATIVE TE-1(AV): REALIGN ATTC FT RUCKER  
INCLUDES MOVEMENT OF MIXED A/C USING THEATER ARMY AVN CO (W/ FW) 15 A/C

TE1-3X1 C:\COB\TE1-3X1.CBR  
JOINT T&E SCENARIO: CONSOLIDATE ROTARY WING TESTING AT PAX RIVER  
JOINT ALTERNATIVE TE-1(AV): REALIGN ATTC FT RUCKER  
INCLUDES MOVEMENT OF MIXED A/C USING THEATER ARMY AVN CO (W/ FW) 15 A/C  
AAA AUDIT REPAIRS

TE2-3X1 C:\COB\TE2-3X1.CBR  
JOINT T&E SCENARIO: CONSOLIDATE ROTARY WING TESTING AT PAX RIVER  
JOINT ALTERNATIVE TE-1(AV): REALIGN AQTD EDWARDS  
INCLUDES MOVEMENT OF MIXED A/C USING THEATER ARMY AVN CO (W/ FW) 15 A/C  
AAA AUDIT REPAIRS

TE3-1X1 C:\COB\TE3-1X1.CBR  
JOINT T&E SCENARIO: CONSOLIDATE ROTARY WING TESTING AT YPG  
JOINT ALTERNATIVE TE-1(AV): REALIGN RTTC REDSTONE  
INCLUDES ONE-TIME COST FOR PURCHASE OF TEST EQUIP OF \$65M  
79 CONTRACTORS WILL NEED TO BE HIRED  
\$72K FOR SHIPPING HELLFIRES FOR TESTS ANNUALLY  
AAA AUDIT REPAIRS

TE3-2X1 C:\COB\TE3-2X1.CBR  
JOINT T&E SCENARIO: MOVE RTTC TESTING OF MF-E,G, & OAR TO WSMR  
JOINT ALTERNATIVE TE-1(AV): REALIGN RTTC REDSTONE  
INCLUDES ONE-TIME COST FOR PURCHASE OF TEST EQUIP OF \$38M  
79 CONTRACTORS WILL NEED TO BE HIRED  
\$72K FOR SHIPPING HELLFIRES FOR TESTS ANNUALLY  
AAA AUDIT REPAIRS

PG2-2X4 C:\COB\PG2-2X4.CBR  
CONSOLIDATE PG WORK TO EXISTING PGs. SUPPORTS WESTERN TEST COMPLEX  
AGGRESSIVE ELIMINATIONS IN BASOPS AREA (329)  
WARM BED PERSONNEL NOT JUST MAINTENANCE; INCLUDES CHEM/BIO PEOPLE  
EXCESS MILITARY TO BASE X  
LEAVES DA CIVS AND MILITARY WORKERS AS STAY-BEHIND FORCE  
EXCLUDED \$2.6M TDY COSTS FOR SAFARI TESTING(131) BASED ON 600K DLH TESTING

PG2-2X5 C:\COB\PG2-2X5.CBR  
REALIGN DUGWAY PG. CLOSE ENGLISH VILLAGE.  
CONSOLIDATE PG WORK TO EXISTING PGs. SUPPORTS WESTERN TEST COMPLEX  
REMAINING PERSONNEL NOT JUST MAINTENANCE; INCLUDES CHEM/BIO PEOPLE  
EXCESS MILITARY TO BASE X  
CONTAINS \$2.6M RECURRING COSTS FOR SAFARI PER DIEM

PG2-2X6 C:\COB\PG2-2X6.CBR  
REALIGN DUGWAY PG. CLOSE ENGLISH VILLAGE.  
CONSOLIDATE PG WORK TO EXISTING PGs. SUPPORTS WESTERN TEST COMPLEX  
REMAINING PERSONNEL NOT JUST MAINTENANCE; INCLUDES CHEM/BIO PEOPLE  
EXCESS MILITARY TO BASE X  
CONTAINS \$2.6M RECURRING COSTS FOR SAFARI PER DIEM

AFJ-012 C:\COB\AFJ-012.CBR  
REALIGN AF MEDICAL SUPPORT AGENCY, FROM BROOKS AFB TO FT. DETRICK. THIS IS  
AN INTERNAL AF REQUEST TO CLOSE BROOKS AFB AND IS UNRELATED TO ANY JCSG.

ARMY BARE C:\COB\ARBARE.CBR  
CLOSE FT MEADE. ENCLAVE NSA. BLVR: ARMY ADMIN  
MOVE TO BELVOIR: 704 MI BDE, 902 MI GRP, SAP ORGNS, DINFOS, INSCOM ELEMENTS  
GARRISON(-), MEDICAL CLINIC(-)  
MOVE TO APG: REC BDE & REC BN  
INACTIVATE: FIRST ARMY & 97TH ARCOM  
MOVE TO NAVY BASE X: NAVY ELEMENTS  
MOVE TO AIR FORCE BASE X: AIR FORCE ELEMENTS  
ELIMINATE GARRISON(-), MEDICAL CLINIC(-)

ARMY BARE+ C:\COB\ARBAREP.CBR  
CLOSE FT MEADE. ENCLAVE NSA. BLVR: ARMY ADMIN APG:ALL  
MOVE TO BELVOIR: 704 MI BDE, 902 MI GRP, SAP ORGNS, DINFOS, INSCOM ELEMENTS  
GARRISON(-), MEDICAL CLINIC(-)  
MOVE TO APG: REC BDE & REC BN  
INACTIVATE: FIRST ARMY & 97TH ARCOM  
MOVE TO NAVY BASE X: NAVY ELEMENTS  
MOVE TO AIR FORCE BASE X: AIR FORCE ELEMENTS  
ELIMINATE GARRISON(-), MEDICAL CLINIC(-)

ARMY/SVC BARE C:\COB\ALLBARE.CBR  
CLOSE FT MEADE. ENCLAVE NSA. BLVR: ARMY ADMIN APG:ALL X:ADMIN  
MOVE TO BELVOIR: 704 MI BDE, 902 MI GRP, SAP ORGNS, DINFOS, INSCOM ELEMENTS  
GARRISON(-), MEDICAL CLINIC(-)  
MOVE TO APG: REC BDE & REC BN  
INACTIVATE: FIRST ARMY & 97TH ARCOM  
MOVE TO NAVY BASE X: NAVY ELEMENTS  
MOVE TO AIR FORCE BASE X: AIR FORCE ELEMENTS  
ELIMINATE GARRISON(-), MEDICAL CLINIC(-)

ARMY AFH/SVC BARE C:\COB\AQAFNBAR.CBR  
CLOSE FT MEADE. ENCLAVE NSA. BLVR: ARMY ADMIN/QTR APG:ALL X:ADMIN  
MOVE TO BELVOIR: 704 MI BDE, 902 MI GRP, SAP ORGNS, DINFOS, INSCOM ELEMENTS  
GARRISON(-), MEDICAL CLINIC(-)  
MOVE TO APG: REC BDE & REC BN  
INACTIVATE: FIRST ARMY & 97TH ARCOM  
MOVE TO NAVY BASE X: NAVY ELEMENTS  
MOVE TO AIR FORCE BASE X: AIR FORCE ELEMENTS  
ELIMINATE GARRISON(-), MEDICAL CLINIC(-)

ARMY/SVC QTRS C:\COB\ALLQTRS.CBR  
CLOSE FT MEADE. ENCLAVE NSA. BLVR: ARMY ADMIN/QTR APG:ALL X:ADMIN/QTR  
MOVE TO BELVOIR: 704 MI BDE, 902 MI GRP, SAP ORGNS, DINFOS, INSCOM ELEMENTS  
GARRISON(-), MEDICAL CLINIC(-)  
MOVE TO APG: REC BDE & REC BN  
INACTIVATE: FIRST ARMY & 97TH ARCOM  
MOVE TO NAVY BASE X: NAVY ELEMENTS  
MOVE TO AIR FORCE BASE X: AIR FORCE ELEMENTS  
ELIMINATE GARRISON(-), MEDICAL CLINIC(-)

NOBLE C:\COB\JTS10.CBR  
REALIGN NOBLE ARMY COMM HOSP TO CLINIC  
ELIMINATE EMERGENCY ROOM TREATMENT OPERATIONS

JM1-1 BELVOIR C:\COB\JM1-1.CBR  
-REALIGN DEWITT ARMY COMMUNITY HOSPITAL TO CLINIC  
-ELIMINATE INPATIENT SERVICES  
-TRANSFER 45-50% OF BELVOIR CATCHMENT TO WALTER REED AMC & MALCOLM GROW AFMC  
-INCREASE CHAMPUS BY \$23,574K/YR FOR REMAINING 50% OUTSIDE ANY CATCHMENT AREA

JM3-1 MCCLELLAN C:\COB\JM3-1.CBR  
-REALIGN NOBLE ARMY COMMUNITY HOSPITAL TO CLINIC  
-ELIMINATE INPATIENT SERVICES  
-INCREASE CHMAPUS BY \$5,609K

JM5-1 RUCKER C:\COB\JM5-1.CBR  
-REALIGN LYSTER ARMY COMMUNITY HOSPITAL TO CLINIC  
-ELIMINATE INPATIENT SERVICES  
-DOES NOT ASSUME NAVY WORKLOAD IS ABSORBED  
-INCREASE CHAMPUS BY \$6,260K AS OFFSET

JM2-1 LEE C:\COB\JM2-1.CBR  
-REALIGN KENNER ARMY COMMUNITY HOSPITAL TO CLINIC  
-ELIMINATE INPATIENT SERVICES  
-INCREASE CHAMPUS BY \$5,720K AS OFFSET

JM4-1 MEADE C:\COB\JM4-1.CBR  
-REALIGN KIMBROUGH ARMY COMMUNITY HOSPITAL TO CLINIC  
-ELIMINATE INPATIENT SERVICES  
-TRANSFER 85-90% OF FT MEADE CATCHMENT AREA TRANSFERS TO WALTER REED AMC  
-INCREASE CHAMPUS BY \$2,890K FOR REMAINING 10-15% OUTSIDE CATCHMENT AREA  
-TRANSFER A PORTION OF MEDICAL PERSONNEL TO WRAMC TO PROVIDE INPATIENT CARE  
AT WRAMC

JM3-1 MCCLELLAN C:\COB\JM3-1A.CBR  
-REALIGN NOBLE ARMY COMMUNITY HOSPITAL TO CLINIC  
-ELIMINATE INPATIENT SERVICES  
-INCREASE CHMAPUS BY \$5,609K

JM4-1 MEADE C:\COB\JM4-1A.CBR  
-REALIGN KIMBROUGH ARMY COMMUNITY HOSPITAL TO CLINIC  
-ELIMINATE INPATIENT SERVICES  
-TRANSFER 85-90% OF FT MEADE CATCHMENT AREA TRANSFERS TO WALTER REED AMC  
-INCREASE CHAMPUS BY \$2,890K FOR REMAINING 10-15% OUTSIDE CATCHMENT AREA  
-TRANSFER A PORTION OF MEDICAL PERSONNEL TO WRAMC TO PROVIDE INPATIENT CARE  
AT WRAMC

JM2-1 LEE C:\COB\JM2-1N.CBR  
-REALIGN KENNER ARMY COMMUNITY HOSPITAL TO CLINIC  
-ELIMINATE INPATIENT SERVICES  
-INCREASE CHAMPUS BY \$5,720K AS OFFSET

JM2-1Q LEE C:\COB\JM2-1Q.CBR  
-REALIGN KENNER ARMY COMMUNITY HOSPITAL TO CLINIC  
-ELIMINATE INPATIENT SERVICES

JM4-1Q MEADE C:\COB\JM4-1Q.CBR  
-REALIGN KIMBROUGH ARMY COMMUNITY HOSPITAL TO CLINIC  
-ELIMINATE INPATIENT SERVICES  
-TRANSFER 85-90% OF FT MEADE CATCHMENT AREA TRANSFERS TO WALTER REED AMC  
-INCREASE CHAMPUS BY \$2,890K FOR REMAINING 10-15% OUTSIDE CATCHMENT AREA  
-TRANSFER A PORTION OF MEDICAL PERSONNEL TO WRAMC TO PROVIDE INPATIENT CARE AT WRAMC  
-SHUTS DOWN PORTION OF HOSPITAL FACILITY; CONVERTS SOME SPACE FOR CLINIC

JM2-1B LEE C:\COB\JM2-1B.CBR  
-REALIGN KENNER ARMY COMMUNITY HOSPITAL TO CLINIC  
-ELIMINATE INPATIENT SERVICES  
-INCREASE CHAMPUS BY \$5,720K AS OFFSET  
-SHUTS DOWN PORTION OF HOSPITAL FACILITY; CONVERTS SOME SPACE FOR CLINIC

JM4-1B MEADE C:\COB\JM4-1B.CBR  
-REALIGN KIMBROUGH ARMY COMMUNITY HOSPITAL TO CLINIC  
-ELIMINATE INPATIENT SERVICES  
-TRANSFER 85-90% OF FT MEADE CATCHMENT AREA TRANSFERS TO WALTER REED AMC  
-INCREASE CHAMPUS BY \$2,890K FOR REMAINING 10-15% OUTSIDE CATCHMENT AREA  
-TRANSFER A PORTION OF MEDICAL PERSONNEL TO WRAMC TO PROVIDE INPATIENT CARE AT WRAMC  
-SHUTS DOWN PORTION OF HOSPITAL FACILITY; CONVERTS SOME SPACE FOR CLINIC

JM2-1P LEE C:\COB\JM2-1P.CBR  
-REALIGN KENNER ARMY COMMUNITY HOSPITAL TO CLINIC  
-ELIMINATE INPATIENT SERVICES  
-INCREASE CHAMPUS BY \$5,720K AS OFFSET  
-SHUTS DOWN PORTION OF HOSPITAL FACILITY; CONVERTS SOME SPACE FOR CLINIC

JM4-1P MEADE C:\COB\JM4-1P.CBR  
-REALIGN KIMBROUGH ARMY COMMUNITY HOSPITAL TO CLINIC  
-ELIMINATE INPATIENT SERVICES  
-TRANSFER 85-90% OF FT MEADE CATCHMENT AREA TRANSFERS TO WALTER REED AMC  
-INCREASE CHAMPUS BY \$2,890K FOR REMAINING 10-15% OUTSIDE CATCHMENT AREA  
-TRANSFER A PORTION OF MEDICAL PERSONNEL TO WRAMC TO PROVIDE INPATIENT CARE AT WRAMC  
-SHUTS DOWN PORTION OF HOSPITAL FACILITY; CONVERTS SOME SPACE FOR CLINIC

JM5-1B RUCKER C:\COB\JM5-1B.CBR  
-REALIGN LYSTER ARMY COMMUNITY HOSPITAL TO CLINIC  
-ELIMINATE INPATIENT SERVICES  
-DOES NOT ASSUME NAVY WORKLOAD IS ABSORBED  
-INCREASE CHAMPUS BY \$6,260K AS OFFSET  
-SHUTS DOWN PORTION OF HOSPITAL FACILITY

JM3-1B MCCLELLAN C:\COB\JM3-1B.CBR  
-REALIGN NOBLE ARMY COMMUNITY HOSPITAL TO CLINIC  
-ELIMINATE INPATIENT SERVICES  
-INCREASE CHAMPUS BY \$5,609K  
-SHUTS DOWN PORTION OF HOSPITAL FACILITY; CONVERTS SOME SPACE FOR CLINIC

JM1-1B BELVOIR C:\COB\JM1-1B.CBR  
-REALIGN DEWITT ARMY COMMUNITY HOSPITAL TO CLINIC  
-ELIMINATE INPATIENT SERVICES  
-TRANSFER 45-50% OF BELVOIR CATCHMENT TO WALTER REED AMC & MALCOLM GROW AFMC  
-INCREASE CHAMPUS BY \$23,574K/YR FOR REMAINING 50% OUTSIDE ANY CATCHMENT AREA  
-SHUTS DOWN PORTION OF HOSPITAL FACILITY

DE2&3-2R C:\COB\GA0-RRAD.CBR  
REALIGN RED RIVER ARMY DEPOT (RRAD) BY TRANSFER OF LIGHT COMBAT VEHICLE  
WORKLOAD TO ANNISTON ARMY DEPOT, TRANSFER AMMUNITION STORAGE MISSION, CIV  
TNG EDUC, AND INTERN SCHOOL TO LONE STAR ARMY AMMUNITION PLANT (LSAAP),  
TRANSFER TO BASE X THE SCHOOL OF ENGINEERING/LOGISTICS, ENCLAVE THE  
RUBBER PRODUCTION FACILITY TO LSAAP, AND ELIMINATE THE REMAINING  
ACTIVITIES/POSITIONS.

GAO-LEAD C:\COB\GAO-LEAD.CBR  
ARMY'S RECOMMENDATION TO SECDEF - DE2&3-2L, EXCEPT:  
1. REDUCED CIV POP ON SCREEN 4 FROM 2944 TO 1472  
2. THIS REDUCED CIVILIAN ELIMINATIONS BY 982 (SCREEN 6)  
3. THIS IS A 77% REDUCTION IN THE CIVILIAN SALARY SAVINGS FROM THE  
ARMY'S RECOMMENDATION.

(Scenario Data File) C:\COB\NGB.CBR

efgh C:\COB\EFGH.CBR

There are 182 COBRA data files.

COBRA FILES IN C:\COB\C\  
(As of 07:31 04/14/1995)

Description:	File Name:
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DE-5	C:\COB\C\CCAD1.CBR

CA1-3 C:\COB\C\CA1-3.CBR  
REALIGN THE KELLY SUPPORT CENTER BY CONSOLIDATING ARMY RESERVE UNITS ONTO  
THREE OF ITS FIVE PARCELS. DISPOSE OF THE REMAINING TWO PARCELS. RELOCATE  
THE ARMY RESERVE'S LEASED MAINTENANCE ACTIVITY IN VALLEY GROVE,  
WEST VIRGINIA, TO THE KELLY SUPPORT CENTER.

CO3-1 C:\COB\C\CO3-1.CBR  
Realign the Detroit Arsenal by realignment of the Detroit Tank Plant.  
Realign Detroit Tank Plant into the Detroit Arsenal and mothball the  
equipment. Facility is a GOCO run by General Dynamics with no  
production requirements at this time.

CA6-1 C:\COB\C\CA-6A.CBR  
THIS SCENARIO PROPOSES THE CLOSING OF FORT HAMILTON; RELOCATING ALL USAR UNITS ACTIVITIES, THE MEPS, THE CID, THE MEDICAL ACTIVITIES AND THE RECRUITING BATTALION TO FORT TOTTEN, NY; DEACTIVATING THE NEW YORK AREA COMMAND AND CLOSING ALL NON MILITARY ACTIVITIES.

CA1-8 C:\COB\C\CA1-8.CBR  
THIS SCENARIO PROPOSES THE ENCLAVING OF THE KELLY SUPPORT CENTER, RELOCATING THE USAR UNITS/ACTIVITIES WITHIN 50 MILES (THE IMMEDIATE PITTSBURGH AREA), RELOCATING THE READINESS GROUP TO LEASED SPACE, RELOCATING A PORTION OF THE GARRISON TO FORT DRUM, ENCLAVING THE DS/GS ACTIVITY ON NEVILLE ISLAND.

CA1-1 C:\COB\C\CA-1A.CBR  
THIS SCENARIO PROPOSES THE CLOSING OF THE KELLY SUPPORT CENTER, RELOCATING ALL THE USAR UNITS/ACTIVITIES AND THE READINESS GROUP TO FORT INDIANTOWN GAP, CLOSING THE COMMISSARY AND DEACTIVATING THE VETERINARY ACTIVITY.

CA1-2 C:\COB\C\CA-1B.CBR  
THIS SCENARIO PROPOSES THE CLOSING OF THE KELLY SUPPORT CENTER, RELOCATING ALL THE USAR UNITS/ACTIVITIES AND THE READINESS GROUP TO FORT MEADE, MD, CLOSING THE COMMISSARY AND DEACTIVATING THE VETERINARY ACTIVITY.

CO2-1 C:\COB\C\CO2-1.CBR  
CLOSE COLD REGIONS RESEARCH AND ENGINEERING LABORATORY (CRREL) AND MOVE ALL MISSIONS AND FUNCTIONS TO NATICK RESEARCH, DEVELOPMENT AND ENGINEERING CENTER (NATICK RDEC).  
SOURCE: TASS, DACS-TABS AND AMC

CA1-3 C:\COB\C\CA-1C.CBR  
THIS SCENARIO PROPOSES THE CLOSING OF THE KELLY SUPPORT CENTER, ENCLAVING ALL THE USAR UNITS/ACTIVITIES AND THE READINESS GROUP, RELOCATING THE COMMISSARY TO BASE X, DEACTIVATING THE VETERINARY ACTIVITY AND DISPOSING OF THE REMAINING PROPERTY.

CA13-1 C:\COB\C\CA-13A.CBR  
THIS SCENARIO PROPOSES THE CLOSING OF FORT TOTTEN, ENCLAVING ALL RESERVE UNITS /ACTIVITIES AND THE COAST GUARD STATION, RELOCATING THE JOINT SUPPORT ACTIVITY AND AFEES TO FT HAMILTON, DEACTIVATING THE MEDICAL ACTIVITIES AND DISPOSING OF THE REMAINING PROPERTY.

CA1-9 C:\COB\C\CA1-9.CBR  
THIS SCENARIO PROPOSES THE CLOSING OF THE KELLY SUPPORT CENTER, RELOCATING THE USAR UNITS/ACTIVITIES WITHIN 50 MILES, RELOCATING THE READINESS GROUP AND THE COMMISSARY TO BASE X AND DEACTIVATING THE VETERINARY DETACHMENT.

CA6-3 C:\COB\C\CA-6C.CBR  
THIS SCENARIO PROPOSES THE CLOSING OF FORT HAMILTON; RELOCATING ALL USAR UNITS ACTIVITIES, THE MEPS, THE CID, THE MEDICAL ACTIVITIES AND THE RECRUITING BATTALION TO FORT MONMOUTH, NJ; DEACTIVATING THE NEW YORK AREA COMMAND AND CLOSING ALL NON MILITARY ACTIVITIES.



CA6-4

C:\COB\C\CA-6D.CBR

THIS SCENARIO PROPOSES THE CLOSING OF FORT HAMILTON; RELOCATING ALL USAR UNITS ACTIVITIES, THE MEPS, THE CID, THE MEDICAL ACTIVITIES AND THE RECRUITING BATTALION TO FORT DIX, NJ; DEACTIVATING THE NEW YORK AREA COMMAND AND CLOSING ALL NON MILITARY ACTIVITIES.

CA6-2

C:\COB\C\CA-6B.CBR

THIS SCENARIO PROPOSES THE CLOSING OF FORT HAMILTON; ENCLAVING ALL USAR UNITS ACTIVITIES, THE MEPS, THE CID, THE MEDICAL ACTIVITIES AND THE RECRUITING BATTALION; DEACTIVATING THE NEW YORK AREA COMMAND; AND CLOSING ALL NON-MILITARY ACTIVITIES.

CA13-2

C:\COB\C\CA-13B.CBR

THIS SCENARIO PROPOSES THE CLOSING OF FORT TOTTEN, ENCLAVING THE COAST GUARD STATION, RELOCATING THE JOINT SUPPORT ACTIVITY, ALL USAR UNITS/ACTIVITIES AND AFEES TO FT HAMILTON, DEACTIVATING THE MEDICAL ACTIVITIES AND DISPOSING OF THE REMAINING PROPERTY.

CA13-3

C:\COB\C\CA-13C.CBR

THIS SCENARIO PROPOSES THE CLOSING OF FORT TOTTEN, ENCLAVING THE COAST GUARD STATION, RELOCATING THE JOINT SUPPORT ACTIVITY AND AFEES TO FT HAMILTON, ALL USAR UNITS/ACTIVITIES TO FT MONMOUTH, DEACTIVATING THE MEDICAL ACTIVITIES AND DISPOSING OF THE REMAINING PROPERTY.

CA13-4

C:\COB\C\CA-13D.CBR

THIS SCENARIO PROPOSES THE CLOSING OF FORT TOTTEN, ENCLAVING THE COAST GUARD STATION, RELOCATING THE JOINT SUPPORT ACTIVITY AND AFEES TO FT HAMILTON, ALL USAR UNITS/ACTIVITIES TO FT DIX, DEACTIVATING THE MEDICAL ACTIVITIES AND DISPOSING OF THE REMAINING PROPERTY.

CA4-1

C:\COB\C\CA-4A.CBR

THIS SCENARIO PROPOSES THE CLOSING OF FORT BUCHANAN, ENCLAVING THE USAR UNITS/ACTIVITIES AND THE READINESS GROUP, RELOCATING VARIOUS ARMY AND ALL NON-ARMYS/DoD UNITS/ACTIVITIES TO BASE X, DEACTIVATING VARIOUS ARMY UNITS AND DISPOSING OF THE REMAINING PROPERTY.

CA5-1

C:\COB\C\CA-5A.CBR

THIS SCENARIO PROPOSES THE CLOSING OF FORT GILLEM; ENCLAVING THE USAR UNITS/ACTIVITIES; RELOCATING SECOND US ARMY TO FT STEWART; RELOCATING ALL BASEOPS SUPPORT AND REMAINING US ARMY UNITS TO FT MCPHERSON; RELOCATING ALL NON-ARMY DoD UNITS/ACTIVITIES TO BASE X AND DISPOSING OF THE REMAINING PROPERTY.

CA5-2

C:\COB\C\CA-5B.CBR

THIS SCENARIO PROPOSES THE CLOSING OF FORT GILLEM; ENCLAVING THE USAR UNITS/ACTIVITIES; RELOCATING SECOND US ARMY TO FT BENNING; RELOCATING ALL BASEOPS SUPPORT AND REMAINING US ARMY UNITS TO FT MCPHERSON; RELOCATING ALL NON-ARMY DoD UNITS/ACTIVITIES TO BASE X AND DISPOSING OF THE REMAINING PROPERTY.

CA1-4 C:\COB\C\CA1-4.CBR  
THIS SCENARIO PROPOSES THE CLOSING OF THE KELLY SUPPORT CENTER, ENCLAVING ALL THE USAR UNITS/ACTIVITIES, TRANSFERRING THE COMMISSARY AND THE READINESS GROUP TO BASE X, DEACTIVATING THE VETERINARY ACTIVITY AND DISPOSING OF THE REMAINING PROPERTY.

CA1-5 C:\COB\C\CA1-5.CBR  
THIS SCENARIO PROPOSES THE CLOSING OF THE KELLY SUPPORT CENTER, TRANSFERRING THE USAR UNITS/ACTIVITIES, THE COMMISSARY AND THE READINESS GROUP TO BASE X, X, DEACTIVATING THE VETERINARY ACTIVITY AND DISPOSING OF THE REMAINING PROPERTY.

CA1-1 C:\COB\C\CA1-1.CBR  
THIS SCENARIO PROPOSES THE CLOSING OF THE KELLY SUPPORT CENTER, RELOCATING ALL THE USAR UNITS/ACTIVITIES AND THE READINESS GROUP TO FORT INDIANTOWN GAP, RELOCATING THE COMMISSARY TO BASE X, AND DEACTIVATING THE VETERINARY ACTIVITY.

CA1-2 C:\COB\C\CA1-2.CBR  
THIS SCENARIO PROPOSES THE CLOSING OF THE KELLY SUPPORT CENTER, RELOCATING ALL THE USAR UNITS/ACTIVITIES AND THE READINESS GROUP TO FORT MEADE, MD, RELOCATING THE COMMISSARY TO BASE X AND DEACTIVATING THE VETERINARY ACTIVITY.

CA13-1 C:\COB\C\CA13-1.CBR  
THIS SCENARIO PROPOSES THE CLOSING OF FORT TOTTEN, ENCLAVING ALL RESERVE UNITS /ACTIVITIES AND THE COAST GUARD STATION, RELOCATING THE JOINT SUPPORT ACTIVITY AND AFEES TO FT HAMILTON, DEACTIVATING THE MEDICAL ACTIVITIES AND DISPOSING OF THE REMAINING PROPERTY.

CA13-2 C:\COB\C\CA13-2.CBR  
THIS SCENARIO PROPOSES THE CLOSING OF FORT TOTTEN; ENCLAVING THE COAST GUARD STATION AND THE AAFES STORE; RELOCATING ALL USAR UNITS/ACTIVITIES TO FT HAMILTON; AND DEACTIVATING THE MEDICAL ACTIVITIES AND THE JOINT SUPPORT ACTIVITY.

CA13-3 C:\COB\C\CA13-3.CBR  
THIS SCENARIO PROPOSES THE CLOSING OF FORT TOTTEN, ENCLAVING THE COAST GUARD STATION, RELOCATING THE JOINT SUPPORT ACTIVITY AND AFEES TO FT HAMILTON, ALL USAR UNITS/ACTIVITIES TO FT MONMOUTH, DEACTIVATING THE MEDICAL ACTIVITIES AND DISPOSING OF THE REMAINING PROPERTY.

CA13-4 C:\COB\C\CA13-4.CBR  
THIS SCENARIO PROPOSES THE CLOSING OF FORT TOTTEN, ENCLAVING THE COAST GUARD STATION, RELOCATING THE JOINT SUPPORT ACTIVITY AND AFEES TO FT HAMILTON, ALL USAR UNITS/ACTIVITIES TO FT DIX, DEACTIVATING THE MEDICAL ACTIVITIES AND DISPOSING OF THE REMAINING PROPERTY.

CA5-1 C:\COB\C\CA5-1.CBR  
THIS SCENARIO PROPOSES THE CLOSING OF FORT GILLEM; ENCLAVING THE USAR UNITS/ACTIVITIES; RELOCATING SECOND US ARMY TO FT STEWART; RELOCATING ALL BASEOPS SUPPORT AND REMAINING US ARMY UNITS TO FT MCPHERSON; RELOCATING ALL NON-ARMY DoD UNITS/ACTIVITIES TO BASE X AND DISPOSING OF THE REMAINING PROPERTY.

CA5-2

C:\COB\C\CA5-2.CBR

THIS SCENARIO PROPOSES THE CLOSING OF FORT GILLEM; ENCLAVING THE USAR UNITS/ACTIVITIES; RELOCATING SECOND US ARMY TO FT BENNING; RELOCATING ALL BASEOPS SUPPORT AND REMAINING US ARMY UNITS TO FT MCPHERSON; RELOCATING ALL NON-ARMY DoD UNITS/ACTIVITIES TO BASE X AND DISPOSING OF THE REMAINING PROPERTY.

CA13-5

C:\COB\C\CA13-5.CBR

THIS SCENARIO PROPOSES THE CLOSING OF FORT TOTTEN, ENCLAVING THE COAST GUARD STATION, DEACTIVATING THE JOINT SUPPORT ACTIVITY AND THE MEDICAL ACTIVITIES, RELOCATING AFEES TO BASE X, RELOCATING ALL USAR UNITS/ACTIVITIES TO FT HAMILTON AND DISPOSING OF THE REMAINING PROPERTY.

CA1-6

C:\COB\C\CA1-6.CBR

THIS SCENARIO PROPOSES THE ENCLAVING OF THE KELLY SUPPORT CENTER, RELOCATING THE HEADQUARTERS, 99TH USA RESERVE COMMAND TO FORT MEADE, RELOCATING OTHER USAR UNITS/ACTIVITIES TO FORT INDIANTOWN GAP, RELOCATING THE READINESS GROUP TO LEASED SPACE, RELOCATING A PORTION OF THE GARRISON TO FORT DRUM AND ENCLAVING THE DS/GS ACTIVITY ON NEVILLE ISLAND.

CA1-7

C:\COB\C\CA1-7.CBR

THIS SCENARIO PROPOSES THE CLOSING OF THE KELLY SUPPORT CENTER, ENCLAVING THE USAR UNITS/ACTIVITIES, RELOCATING THE READINESS GROUP AND THE COMMISSARY TO BASE X, DEACTIVATING THE VETERINARY DETACHMENT AND DISPOSING OF THE REMAINING PROPERTY.

CA6-2

C:\COB\C\CA6-2.CBR

THIS SCENARIO PROPOSES THE CLOSING OF FORT HAMILTON; ENCLAVING ALL USAR UNITS ACTIVITIES, THE MEPS, THE CID, THE MEDICAL ACTIVITIES AND THE RECRUITING BATTALION; RESTATIONING THE THE NEW YORK AREA COMMAND TO FORT DIX AND RELOCATING THE COMMISSARY TO BASE X.

CA4-1

C:\COB\C\CA4-1.CBR

THIS SCENARIO PROPOSES THE REALIGNMENT OF FT BUCHANAN BY REDUCING THE GARRISON STAFF CLOSING ALL THE ARMY FAMILY HOUSING.

CA6-1

C:\COB\C\CA6-1.CBR

THIS SCENARIO PROPOSES THE CLOSING OF FORT HAMILTON; RELOCATING ALL USAR UNITS ACTIVITIES, THE MEPS, THE CID, THE MEDICAL ACTIVITIES AND THE RECRUITING BATTALION TO FORT TOTTEN, NY; RELOCATING THE COMMISSARY TO BASE X; AND RELOCATING THE NEW YORK AREA COMMAND TO FORT DIX, NJ.

CA6-3

C:\COB\C\CA6-3.CBR

THIS SCENARIO PROPOSES THE CLOSING OF FORT HAMILTON; RELOCATING ALL USAR UNITS ACTIVITIES, THE MEPS, THE CID, THE MEDICAL ACTIVITIES AND THE RECRUITING BATTALION TO FORT MONMOUTH, NJ; RELOCATING THE COMMISSARY TO BASE X AND THE NEW YORK AREA COMMAND TO FORT DIX.

CA6-4

C:\COB\C\CA6-4.CBR

THIS SCENARIO PROPOSES THE CLOSING OF FORT HAMILTON; RELOCATING ALL USAR UNITS ACTIVITIES, THE MEPS, THE CID, THE MEDICAL ACTIVITIES, THE COMMISSARY AND THE RECRUITING BATTALION TO BASE X AND RELOCATING THE NEW YORK AREA COMMAND TO FORT DIX, NJ.

CA6-5

C:\COB\C\CA6-5.CBR

THIS SCENARIO PROPOSES THE CLOSING OF FORT HAMILTON; RELOCATING ALL USAR UNITS ACTIVITIES, THE MEPS, THE CID, THE RECRUITING BATTALION AND THE NEW YORK AREA COMMAND TO FORT TOTTEN, NY; RELOCATE THE COMMISSARY TO BASE X AND DEACTIVATE , THE MEDICAL ACTIVITIES.

CA13-6

C:\COB\C\CA13-6.CBR

THIS SCENARIO PROPOSES THE REALIGNING OF FORT TOTTEN, ENCLAVING ALL USAR UNITS /ACTIVITIES, THE COAST GUARD STATION, AND THE AAFES STORE; RELOCATING THE JOINT SUPPORT FACILITY AND THE MEDICAL ACTIVITIES TO BASE X, AND CLOSING ALL ARMY FAMILY HOUSING UNITS AND OTHER EXCESS PROPERTY.

CA4-2

C:\COB\C\CA4-2.CBR

REALIGN FORT BUCHANAN BY REDUCING GARRISON MANAGEMENT FUNCTIONS AND DISPOSING OF FAMILY HOUSING. RETAIN AN ENCLAVE FOR THE RESERVE COMPONENTS, ARMY AND AIR AIR FORCE EXCHANGE SERVICE (AAFES) AND THE ANTILLES CONSOLIDATED SCHOOL.

CA6-6

C:\COB\C\CA6-6.CBR

REALIGN FORT HAMILTON. DISPOSE OF ALL FAMILY HOUSING. RETAIN MINIMUM ESSENTIAL LAND AND FACILITIES FOR EXISTING ARMY UNITS AND ACTIVITIES. RELOCATE ALL ARMY RESERVE UNITS FROM CAVEN POINT, NEW JERSEY, TO FORT HAMILTON.

CA4-3

C:\COB\C\CA4-3.CBR

THIS SCENARIO PROPOSES THE CLOSING OF FORT BUCHANAN; ENCLAVING THE RC UNITS/ ACTIVITIES, THE ANTILLES CONSOLIDATED SCHOOL, THE COMMISSARY, AAFES MAIN STORE, THE MEDICAL ACTIVITIES AND A PORTION OF THE GARRISON; AND RELOCATING VARIOUS DA AND DOD UNITS/ACTIVITIES TO ROOSEVELT ROADS NAVY BASE.

CA1-10

C:\COB\C\CA1-10.CBR

THIS SCENARIO PROPOSES THE CLOSING OF THE KELLY SUPPORT CENTER, RELOCATING THE USAR UNITS/ACTIVITIES WITHIN 50 MILES, RELOCATING THE READINESS GROUP AND THE COMMISSARY TO BASE X AND DEACTIVATING THE VETERINARY DETACHMENT.

CA13-7

C:\COB\C\CA13-7.CBR

THIS SCENARIO PROPOSES THE CLOSING OF FORT TOTTEN EXCEPT FOR AN ENCLAVE FOR THE ARMY RESERVE AND THE ARMY AND AIR FORCE EXCHANGE SERVICE AND DISPOSING OF ALL FAMILY HOUSING.

CA13-6

C:\COB\C\CAVII.CBR

THIS SCENARIO PROPOSES THE REALIGNING OF FORT TOTTEN, ENCLAVING ALL USAR UNITS /ACTIVITIES, THE COAST GUARD STATION, AND THE AAFES STORE; RELOCATING THE JOINT SUPPORT FACILITY AND THE MEDICAL ACTIVITIES TO BASE X, AND CLOSING ALL ARMY FAMILY HOUSING UNITS AND OTHER EXCESS PROPERTY.

CA13-7 C:\COB\C\CAVI.CBR  
THIS SCENARIO PROPOSES THE REALIGNING OF FORT TOTTEN, ENCLAVING ALL USAR UNITS /ACTIVITIES, THE COAST GUARD STATION, AND THE AAFES STORE; RELOCATING THE JOINT SUPPORT FACILITY AND THE MEDICAL ACTIVITIES TO BASE X, AND CLOSING ALL ARMY FAMILY HOUSING UNITS AND OTHER EXCESS PROPERTY.

CA4-4 C:\COB\C\CAIII.CBR  
THIS SCENARIO PROPOSES THE CLOSING OF FORT BUCHANAN; ENCLAVING THE RC UNITS/ ACTIVITIES, THE ANTILLES CONSOLIDATED SCHOOL, THE AAFES MAIN STORE AND THE COMMISSARY; AND RESTATIONING THE DA AND OTHER DOD ACTIVITIES TO ROOSEVELT ROADS NAVY BASE.

CA4-2 C:\COB\C\CAII.CBR  
THIS SCENARIO PROPOSES THE CLOSING OF FORT BUCHANAN; ENCLAVING THE RC UNITS/ ACTIVITIES, THE ANTILLES CONSOLIDATED SCHOOL, THE AAFES MAIN STORE AND THE COMMISSARY; AND RESTATIONING THE DA AND OTHER DOD ACTIVITIES TO ROOSEVELT ROADS NAVY BASE.

CA4-4 C:\COB\C\CA4-4.CBR  
THIS SCENARIO PROPOSES THE CLOSING OF FORT BUCHANAN; ENCLAVING THE RC UNITS/ ACTIVITIES, THE ANTILLES CONSOLIDATED SCHOOL, THE AAFES MAIN STORE AND THE COMMISSARY; AND RESTATIONING THE DA AND OTHER DOD ACTIVITIES TO ROOSEVELT ROADS NAVY BASE.

CA13-7a C:\COB\C\CA13-7A.CBR  
CLOSE FORT TOTTEN, EXCEPT AN ENCLAVE FOR THE U. S. ARMY RESERVE. DISPOSE OF FAMILY HOUSING.

CA5-1 C:\COB\C\CA5-1A.CBR  
THIS SCENARIO PROPOSES THE CLOSING OF FORT GILLEM; ENCLAVING THE USAR UNITS/ ACTIVITIES; RELOCATING SECOND US ARMY TO FT STEWART; RELOCATING ALL BASEOPS SUPPORT AND REMAINING US ARMY UNITS TO FT MCPHERSON; RELOCATING ALL NON-ARMY DOD UNITS/ACTIVITIES TO BASE X AND DISPOSING OF THE REMAINING PROPERTY.

CO6-1 C:\COB\C\CO6-1.CBR  
CLOSE NATICK RDEC (NRDEC) AND RELOCATE MISSIOINS AND FUNCTIONS TO ABERDEEN PROVING GROUND, MD. RELOCATE HEADQUARTERS, TEST AND EVALUATION COMMAND (HQ TECOM) FROM ABERDEEN PROVING GROUND TO WHITE SANDS MISSILE RANGE.  
SOURCE: TASS, SINGLEY WHITE PAPER AND HQ AMC

CO7-1 C:\COB\C\CO7-1.CBR  
CLOSE PICATINNY ARSENAL EXCEPT FOR RESERVE COMPONENT ENCLAVE. RELOCATE THE FOLLOWING WORKLOAD TO DETROIT ARSENAL: LARGE CALIBER, TUBE LAUNCH, FIRE CONTROL AND ARMAMENTS PEO/PM AND ITS ASSOCIATED ARMAMENTS/MUNITIONS. RELOCATE THE FOLLOWING FUNCTIONS TO ABERDEEN PROVING GROUND: SMALL ARMS, SMALL CALIBER AND CREW SERVED WEAPONS. RELOCATE GUIDED PROJECTILES TO RSA. ALL OTHER ACTIVITIES OF THE ARSENAL NOT ASSOCIATED WITH ARMAMENTS OR MUNITIONS WILL BE ELIMINATED OR TRANSFERRED TO OTHER LOCATIONS.  
SOURCE: TASS AND SINGLEY WHITE PAPER

CO2-2 C:\COB\C\CO2-2.CBR  
CLOSE COLD REGION RESEARCH ENGINEERING LABORATORY AND MOVE MISSIONS AND  
FUNCTIONS TO ABERDEEN PG.  
SOURCE: TASS, DACS-TABS AND AMC

CO6-2 C:\COB\C\CO6-2.CBR  
CLOSE NATICK RDEC (NRDEC) AND RELOCATE MISSIONS AND FUNCTIONS TO ROCK  
ISLAND ARSENAL (RIA) AND BASE X.  
SOURCE: TASS

CO7-3 C:\COB\C\CO7-3.CBR  
CLOSE PICATINNY ARSENAL. RELOCATE THE ARDEC AND ASSOCIATED ARMAMENTS AND  
MUNITIONS MANAGEMENT TO ROCK ISLAND ARSENAL, WHERE IT WILL CONSOLIDATE WITH  
INDUSTRIAL OPERATIONS COMMAND. RETAIN A RC ENCLAVE.  
SOURCE: TASS AND HQ AMC

CO7-2 C:\COB\C\CO7-2.CBR  
CLOSE PICATINNY ARSENAL AND RELOCATE MISSIONS/FUNCTION TO ABERDEEN PROVING  
GROUND AND BASE X.  
SOURCE: TASS AND AMC

CO6-3 C:\COB\C\CO6-3.CBR  
CLOSE NATICK RDEC (NRDEC) TO REDUCE COSTLY INFRASTRUCTURE OVERHEAD AND TO  
CONSOLIDATE AND SUPPORT INTEGRATED LIFE CYCLE MANAGEMENT. RELOCATE NRDEC  
MISSIONS AND FUNCTIONS TO FORT BENNING TO CREATE THE SOLDIER RDEC AND  
COMMAND.  
SOURCE: TASS AND AMC

CA11-2 C:\COB\C\CA11-2F.CBR  
CLOSE FT RITCHIE  
MOVE TO FT DETRICK (W/L) - ISEC CONUS, 1108 SIG BDE, ISC MSN SPT, 1111 SIG BN  
MOVE TO FT DETRICK (L) - 1111 SIG BN & OTHER SERVICE ANMCC ELEMENTS  
MOVE TO FT HUACHUCA - ISEC CONUS, ISC MGT ENG  
MOVE TO BASE X - DEF MEGA CTR, DFAS, DECA, DEF INV SVC ET AL  
ELIMINATE GARRISON (-), DOIM (-), MEDICAL & DENTAL  
LEAVES CARETAKERS

CO6-1A C:\COB\C\CO6-1A.CBR  
CLOSE NATICK RDEC (NRDEC) TO REDUCE COSTLY INFRASTRUCTURE OVERHEAD BY  
CONSOLIDATING AND SUPPORTING INTEGRATED LIFE CYCLE. RELOCATE NRDEC MISSIONS  
AND FUNCTIONS TO APG TO CREATE THE SOLDIER RDEC (SORDEC).  
SOURCE: TASS, SINGLEY WHITE PAPER AND HQ AMC

CA2-1 C:\COB\C\CA2-1.CBR  
CLOSE PRICE SUPPORT CENTER AS IT DOES NOT POSSESS ANY SIGNIFICANT OPERATIONAL  
VALUE TO THE ARMY. THE MAJORITY OF PRICE SUPPORT CENTER EXISTS  
TO SUPPORT NON-ARMY ORGANIZATIONS. THE ARMY UNITS CURRENTLY STATIONED AT  
PRICE SUPPORT CENTER ARE NOT OPERATIONALLY DEPENDENT UPON THIS INSTALLATION.  
THEREFORE, IT IS MORE ECONOMICALLY FEASIBLE TO ELIMINATE PRICE SUPPORT  
CENTER.

CA2-2

C:\COB\C\CA2-2.CBR

ELIMINATE ALL ARMY PERSONNEL FROM CHARLES MELVIN PRICE SUPPORT CENTER WITH THE EXCEPTION OF THE FULL TIME SUPPORT UNITS, USAREC ST LOUIS BATTALION AND THE MEDDAC. ENCLAVE THE EXCEPTIONS AND KEY TENANTS TO INCLUDE: RESERVE NAVAL CONSTRUCTION FORCE, DLA, NAVAL AIR ENGINEER CENTER, US COAST GUARD, AAFES AND DEFENSE COMMISSARY AGENCY. PRICE SUPPORT CENTER DOES NOT POSSESS ANY SIGNIFICANT OPERATIONAL VALUE TO THE ARMY. IT IS MORE ECONOMICALLY FEASIBLE TO ENCLAVE PRICE SUPPORT CENTER.

SOURCE: TASS AND HQ AMC

CA2-3

C:\COB\C\CA2-3.CBR

CLOSE CHARLES MELVIN PRICE SUPPORT CENTER EXCEPT FOR A RESERVE ENCLAVE AND STORAGE AREA. REALIGN USAREC ST.LOUIS COMPANY AND USACIDC UNIT TO BASE Y. ELIMINATE ALL OTHER ARMY UNITS.

SOURCE: TASS AND HQ AMC

CO7-4

C:\COB\C\CO7-4.CBR

CLOSE PICATINNY ARSENAL, EXCEPT FOR A RESERVE COMPONENT ENCLAVE. RELOCATE LARGE CALIBER, TUBE LAUNCH, FIRE CONTROL, PEO MANAGEMENT WORKLOAD TO DETROIT ARSENAL; RELOCATE SMALL ARMS/CALIBER AND CREW SERVED WEAPONS TO APG; RELOCATE GUIDED PROJECTILES WORKLOAD TO REDSTONE ARSENAL; RELOCATE ENERGETICS "EXPLOSIVE" WORKLOAD TO NAVY (NSWC), INDIAN HEAD PER JCSG RECOMMENDATION; AND ENERGETICS "PYROTECHNICS" WORKLOAD TO NAVY (NAWC), CRANE PER JCSG RECOMMENDATION.

SOURCE: JCSG, SARDA, TASS, AND HQ AMC

CO7-5

C:\COB\C\CO7-5.CBR

CLOSE PICATINNY ARSENAL, EXCEPT FOR A RESERVE COMPONENT ENCLAVE. RELOCATE LARGE CALIBER, TUBE LAUNCH, FIRE CONTROL, PEO MANAGEMENT WORKLOAD TO ROCK ISLAND ARSENAL; RELOCATE SMALL ARMS/CALIBER AND CREW SERVED WEAPONS TO ABERDEEN PROVING GROUND; AND RELOCATE GUIDED PROJECTILES WORKLOAD TO REDSTONE ARSENAL.

SOURCE: HQ AMC

CA15-4

C:\COB\C\CA15-4.CBR

CLOSE SELFRIDGE; CAPTURE ONLY ARMY COSTS  
MOVE TO DETROIT ARSENAL: AAFES, CONTRACT SPT, TACOM SPT ACT (-), 85th DIV TNG, MEP STN, TACOM MWR FUND  
LEAVE USAF: 127th TFW, 191st FTR INTERCPT GP, 927th AIR REFL WG, CAP  
LEAVE USN: MWSG47, NAV RECRTG, NAV AIR RES CTR, NAV & MAR MEP  
LEAVE USCG: AIRSTN DETROIT, USCG DETROIT, SEVERAL CG STATIONS  
MOVE TO BASE X: DECA, 86 ARCOM, 75th EOD DET, 1/12 SF BN CO C, CIDC 3d RGN  
MOVE TO BASE Y: RECRUIT LANSING, RDNS GP SELFRDG, TACOM HQ, 70th DIV, PRI 6

CA2-3A

C:\COB\C\CA2-3A.CBR

CLOSE CHARLES MELVIN PRICE SUPPORT CENTER, EXCEPT FOR A SMALL RESERVE ENCLAVE AND A STORAGE AREA.

SOURCE: TASS AND HQ AMC

CA15-2 C:\COB\C\CA15-2.CBR

CLOSE SELFRIDGE  
MOVE TACOM SPT ACT TO DETROIT ARSENAL  
MOVE ALL TENANTS TO BASE X  
LEAVES CARETAKERS

CA8-1 C:\COB\C\CA8-2.CBR

CLOSE FT MEADE. ENCLAVE NSA. MOVE DINFOS, FIELD BAND TO BELVOIR  
INACTIVATE 1ST ARMY. ELIMINATE CORPS TROOPS, GARRISON, MED DEP.  
MOVE INSCOM ACTIVITIES AND MISC TO BASE X. MOVE AIR FORCE PERSONNEL  
TO AFB. MOVE NAVY AND MARINE PERSONNEL TO NAVY BASE. 97TH ARCOM IS  
INACTIVATED.

CA15-3 C:\COB\C\CA15-3.CBR

CLOSE SELFRIDGE  
MOVE TO DETROIT ARSENAL: AAFES, CONTRACT SPT, TACOM SPT ACT (-), 85th DIV TNG,  
MEP STN, TACOM MWR FUND  
MOVE TO USAF BASE X: 127th TFW, 191st FTR INTERCPT GP, 927th AIR REFL WG, CAP  
MOVE TO USN BASE X: MWSG47, NAV RECRTG, NAV AIR RES CTR, NAV & MAR MEP  
MOVE TO USCG BASE X: AIRSTN DETROIT, USCG DETROIT, SEVERAL CG STATIONS  
MOVE TO BASE X: DECA, 86 ARCOM, 75th EOD DET, 1/12 SF BN CO C, CIDC 3d RGN  
MOVE TO BASE Y: RECRUIT LANSING, RDNS GP SELFRDG, TACOM HQ, 70th DIV, PRI 6

CA9-2 C:\COB\C\CA9-2.CBR

ENCLAVE FT MONROE  
MOVE TRADOC, CADET CMD, CIV PERS ACT (-), JWFC, BAND & DELTA E TO FT EUSTIS  
MOVE DECA TO BASE X  
ELIMINATE GARRISON, MEDICAL/DENTAL, CIV PERS ACT  
LEAVE LAM IN NCR, ENG DIV NO ATL W/ HQ, AVN DET AT LANGLEY, TC FIELD TMS AT  
FTs SILL, JACKSON & EUSTIS  
ENCLAVE NSWFC ON FT MONROE

CA9-3 C:\COB\C\CA9-3.CBR

ENCLAVE FT MONROE; NAV SURF WARF CTR RE,AOMS AT FT MONROE  
MOVE TO FT EUSTIS: TRADOC, JWFC, CDT CMD, CPO(-) & SPT ELEMENT  
MOVE TO BASE X: DECA  
ELIMINATE GARRISON (-), MEDICAL (-) & CPO(-)  
LEAVE LAM IN NCR, TC FLD TMS IN FIELD, AVN DET AT LANGLEY & DIV ENG W/ NAD  
LEAVES CARETAKERS  
LEAVES CHAMBERLAIN HOTEL, ST MARY'S RECTORY AT FT MONROE

CA11-2 C:\COB\C\CA11-2M.CBR

CLOSE FT RITCHIE  
MOVE TO FT DETRICK (W/L) - ISEC CONUS, 1108 SIG BDE, ISC MSN SPT, 1111 SIG BN  
MOVE TO FT DETRICK (L) - 1111 SIG BN & OTHER SERVICE ANMCC ELEMENTS  
MOVE TO FT HUACHUCA - ISEC CONUS, ISC MGT ENG  
MOVE TO BASE X - DEF MEGA CTR, DFAS, DECA, DEF INV SVC ET AL  
ELIMINATE GARRISON (-), DOIM (-), MEDICAL & DENTAL  
LEAVES CARETAKERS



CA9-3 C:\COB\C\CA9-3M.CBR  
ENCLAVE FT MONROE; NAV SURF WARF CTR REMAINS AT FT MONROE  
MOVE TO FT EUSTIS: TRADOC, JWFC, CDT CMD, CPO(-) & SPT ELEMENT  
MOVE TO BASE X: DECA  
ELIMINATE GARRISON (-), MEDICAL (-) & CPO(-)  
LEAVE LAM IN NCR, TC FLD TMs IN FIELD, AVN DET AT LANGLEY & DIV ENG W/ NAD  
LEAVES CARETAKERS  
LEAVES CHAMBERLAIN HOTEL, ST MARY'S RECTORY AT FT MONROE

CA11-2L C:\COB\C\CA11-2L.CBR  
CLOSE FT RITCHIE  
MOVE TO FT DETRICK (W/L) - ISEC CONUS, 1108 SIG BDE, ISC MSN SPT, 1111 SIG BN  
MOVE TO FT DETRICK (L) - 1111 SIG BN & OTHER SERVICE NMCC ELEMENTS  
MOVE TO FT HUACHUCA - ISEC CONUS, ISC MGT ENG  
MOVE TO BASE X - DEF MEGA CTR, DFAS, DECA, DISA, DEF INV SVC, TMDE & MI DET  
ELIMINATE GARRISON (-), DOIM (-), MEDICAL & DENTAL  
ADMINISTERS CLOSURE FROM FT DETRICK

CA8-2 C:\COB\C\CA8-2A.CBR  
CLOSE FT MEADE. ENCLAVE NSA.  
MOVE TO BELVOIR: 704 MI BDE, 902 MI GRP, SAP ORGNS, DINFOS, INSCOM ELEMENTS  
GARRISON(-), MEDICAL CLINIC(-)  
MOVE TO APG: REC BDE & REC BN  
INACTIVATE: FIRST ARMY & 97TH ARCOM  
MOVE TO NAVY BASE X: NAVY ELEMENTS  
MOVE TO AIR FORCE BASE X: AIR FORCE ELEMENTS  
ELIMINATE GARRISON(-), MEDICAL CLINIC(-)

CA9-3CAM C:\COB\C\CA9-3CAM.CBR  
ENCLAVE FT MONROE; NAV SURF WARF CTR REMAINS AT FT MONROE  
MOVE TO FT EUSTIS: TRADOC, JWFC, CDT CMD, CPO(-) & SPT ELEMENT  
MOVE TO BASE X: DECA  
ELIMINATE GARRISON (-), MEDICAL (-) & CPO(-)  
LEAVE LAM IN NCR, TC FLD TMs IN FIELD, AVN DET AT LANGLEY & DIV ENG W/ NAD  
LEAVES CARETAKERS  
LEAVES CHAMBERLAIN HOTEL, ST MARY'S RECTORY AT FT MONROE

CA8-2 C:\COB\C\CA8-2B.CBR  
CLOSE FT MEADE. ENCLAVE NSA.  
MOVE TO BELVOIR: 704 MI BDE, 902 MI GRP, SAP ORGNS, DINFOS, INSCOM ELEMENTS  
GARRISON(-), MEDICAL CLINIC(-)  
MOVE TO APG: REC BDE & REC BN  
INACTIVATE: FIRST ARMY & 97TH ARCOM  
MOVE TO NAVY BASE X: NAVY ELEMENTS  
MOVE TO AIR FORCE BASE X: AIR FORCE ELEMENTS  
ELIMINATE GARRISON(-), MEDICAL CLINIC(-)

CA15-1K C:\COB\C\CA15-1K.CBR

CLOSE SELFRIDGE:

ELIMINATE: TACOM SA (-) & ALL OF MEDICAL/DENTAL/VET CLINIC  
RELOCATE TO DETROIT ARS: TACOM SA (-), AAFES, TACOM MWR & CONTRACT SUPPORT  
RELOCATE TO BASE X: DECA, 75TH EOD DET, RTT SELFRIDGE & CIDC 3D RGN  
RELOCATE TO BASE Y: USAF, USMC, USCG & USN PERSONNEL  
USES TACOM SA (-) AS STAY-BEHINDS UNTIL PROPERTY DIVESTED  
LEAVES 86 ARCOM, 85 DIV TNG ON SANGB

CA8-2K C:\COB\C\CA8-2K.CBR

REALIGN FT MEADE. ENCLAVE NSA.

MOVE TO BELVOIR: 704 MI BDE, 902 MI GRP, SAP ORGNS, DINFOS, INSCOM ELEMENTS  
GARRISON(-), MEDICAL CLINIC(-)  
MOVE TO APG: REC BDE & REC BN  
INACTIVATE: FIRST ARMY & 97TH ARCOM  
MOVE TO BASE X: USAF & USN ELEMENTS, MED CLNC, DECA, COURIER SVC, 55 SC EAC,  
85 HSP GEN (CADRE), ARSPACE, DRMO, ENV HYG AGY, ENGR RES OFC, 144 EOD DET ETC  
ELIMINATE GARRISON(-), MEDICAL CLINIC(-), LAB & DENTAC

CA9-3K C:\COB\C\CA9-3K.CBR

CLOSE FT MONROE, EXCEPT ENCLAVE NAV SURF WARF CTR AT FT MONROE  
MOVE TO FT EUSTIS: TRADOC, JWFC, CDT CMD, CPO(-) & SPT ELEMENT  
MOVE TO BASE X: DECA, DENTAL CLINIC & FOOD INSP BRANCH  
ELIMINATE GARRISON (-), MEDICAL (-) & CPO(-)  
LEAVE LAM IN NCR, TC FLD TMs IN FIELD, AVN DET AT LANGLEY & DIV ENG W/ NAD  
LEAVES 25 STAY-BEHINDS UNTIL 2001  
LEAVES CHAMBERLAIN HOTEL, ST MARY'S RECTORY AT FT MONROE

CA11-2K C:\COB\C\CA11-2K.CBR

CLOSE FT RITCHIE

MOVE TO FT DETRICK (W/L) - ISEC CONUS, 1108 SIG BDE, ISC MSN SPT, 1111 SIG BN  
MOVE TO FT DETRICK (L) - 1111 SIG BN & OTHER SERVICE NMCC ELEMENTS  
MOVE TO FT HUACHUCA - ISEC CONUS, ISC MGT ENG  
MOVE TO BASE X - DEF MEGA CTR, DFAS, DECA, DISA, DEF INV SVC, TMDE & MI DET  
ELIMINATE GARRISON (-), DOIM (-), MEDICAL & DENTAL  
ADMINISTERS CLOSURE FROM FT DETRICK

CA11-2K1 C:\COB\C\CA11-2K1.CBR

CLOSE FT RITCHIE

MOVE TO FT DETRICK (W/L) - ISEC CONUS, 1108 SIG BDE, ISC MSN SPT, 1111 SIG BN  
MOVE TO FT DETRICK (L) - 1111 SIG BN & OTHER SERVICE NMCC ELEMENTS  
MOVE TO FT HUACHUCA - ISEC CONUS, ISC MGT ENG  
MOVE TO BASE X - DEF MEGA CTR, DFAS, DECA, DISA, DEF INV SVC, TMDE & MI DET  
ELIMINATE GARRISON (-), DOIM (-), MEDICAL & DENTAL  
ADMINISTERS CLOSURE FROM FT DETRICK

CA15-1L C:\COB\C\CA15-1L.CBR  
CLOSE SELFRIDGE:  
ELIMINATE: TACOM SA (-) & ALL OF MEDICAL/DENTAL/VET CLINIC  
RELOCATE TO DETROIT ARS: TACOM SA (-), AAFES, TACOM MWR & CONTRACT SUPPORT  
RELOCATE TO BASE X: DECA, 75TH EOD DET, RTT SELFRIDGE & CIDC 3D RGN  
RELOCATE TO BASE Y: USAF, USMC, USCG & USN PERSONNEL  
USES TACOM SA (-) AS STAY-BEHINDS UNTIL PROPERTY DIVESTED  
LEAVES 86 ARCOM, 85 DIV TNG ON SANGB

CA11-2Q C:\COB\C\CA11-2Q.CBR  
CLOSE FT RITCHIE, MD  
RELOCATE 1111 SIGNAL BN & 1108 SIGN BDE TO FT DETRICK, MD  
RELOCATE INFO SYS ENGR CMD ELEMENTS TO FT HUACHUCA, AZ  
RELOCATE DIA & OTHER SERVICE NATIONAL MILITARY CMD CTR SUPPORT ELEMENTS  
TO FT DETRICK, MD FOR HOUSING

CA15-1Q C:\COB\C\CA15-1Q.CBR  
CLOSE SELFRIDGE

CA15-1N C:\COB\C\CA15-1N.CBR  
CLOSE SELFRIDGE:  
ELIMINATE: TACOM SA (-) & ALL OF MEDICAL/DENTAL/VET CLINIC  
RELOCATE TO DETROIT ARS: TACOM SA (-), AAFES, TACOM MWR & CONTRACT SUPPORT  
RELOCATE TO BASE X: DECA, 75TH EOD DET, RTT SELFRIDGE & CIDC 3D RGN  
RELOCATE TO BASE Y: USAF, USMC, USCG & USN PERSONNEL  
USES TACOM SA (-) AS STAY-BEHINDS UNTIL PROPERTY DIVESTED  
LEAVES 86 ARCOM, 85 DIV TNG ON SANGB

CA11-2P C:\COB\C\CA11-2P.CBR  
CLOSE FT RITCHIE  
MOVE TO FT DETRICK (W/L) - ISEC CONUS, 1108 SIG BDE, ISC MSN SPT, 1111 SIG BN  
MOVE TO FT DETRICK (L) - 1111 SIG BN & OTHER SERVICE NMCC ELEMENTS  
MOVE TO FT HUACHUCA - ISEC CONUS, ISC MGT ENG  
MOVE TO BASE X - DEF MEGA CTR, DFAS, DECA, DISA, DEF INV SVC, TMDE & MI DET  
ELIMINATE GARRISON (-), DOIM (-), MEDICAL & DENTAL  
ADMINISTERS CLOSURE FROM FT DETRICK

CA15-1P C:\COB\C\CA15-1P.CBR  
CLOSE SELFRIDGE:  
ELIMINATE: TACOM SA (-) & ALL OF MEDICAL/DENTAL/VET CLINIC  
RELOCATE TO DETROIT ARS: TACOM SA (-), AAFES, TACOM MWR & CONTRACT SUPPORT  
RELOCATE TO BASE X: DECA, 75TH EOD DET, RTT SELFRIDGE & CIDC 3D RGN  
RELOCATE TO BASE Y: USAF, USMC, USCG & USN PERSONNEL  
USES TACOM SA (-) AS STAY-BEHINDS UNTIL PROPERTY DIVESTED  
LEAVES 86 ARCOM, 85 DIV TNG ON SANGB

CA9-3L C:\COB\C\CA9-3L.CBR  
CLOSE FT MONROE, EXCEPT ENCLAVE NAV SURF WARF CTR AT FT MONROE  
MOVE TO FT EUSTIS: TRADOC, JWFC, CDT CMD, CPO(-) & SPT ELEMENT  
MOVE TO BASE X: DECA, DENTAL CLINIC & FOOD INSP BRANCH  
ELIMINATE GARRISON (-), MEDICAL (-) & CPO(-)  
LEAVE LAM IN NCR, TC FLD TMs IN FIELD, AVN DET AT LANGLEY & DIV ENG W/ NAD  
LEAVES 25 STAY-BEHINDS UNTIL 2001  
LEAVES CHAMBERLAIN HOTEL, ST MARY'S RECTORY AT FT MONROE

CA8-2L C:\COB\C\CA8-2L.CBR  
REALIGN FT MEADE. ENCLAVE NSA.  
MOVE TO BELVOIR: 704 MI BDE, 902 MI GRP, SAP ORGNS, DINFOS, INSCOM ELEMENTS  
GARRISON(-), MEDICAL CLINIC(-)  
MOVE TO APG: REC BDE & REC BN  
INACTIVATE: FIRST ARMY & 97TH ARCOM  
MOVE TO BASE X: USAF & USN ELEMENTS, MED CLNC, DECA, COURIER SVC, 55 SC EAC,  
85 HSP GEN (CADRE), ARSPACE, DRMO, ENV HYG AGY, ENGR RES OFC, 144 EOD DET ETC  
ELIMINATE GARRISON(-), MEDICAL CLINIC(-), LAB & DENTAC

CA11-4 C:\COB\C\CA11-4.CBR  
CLOSE FT RITCHIE, MD  
RELOCATE 1111 SIGNAL BN & 1108 SIGN BDE TO FT DETRICK, MD  
RELOCATE INFO SYS ENGR CMD ELEMENTS TO FT HUACHUCA, AZ  
RELOCATE DIA & OTHER SERVICE NATIONAL MILITARY CMD CTR SUPPORT ELEMENTS  
TO FT DETRICK, MD FOR HOUSING  
MOVES A 450 CIVILIAN ORGN TO FT DETRICK; STOPS INACTIVATION OF DISA ORGNS

CA11-2R C:\COB\C\CA11-2R.CBR  
CLOSE FT RITCHIE, MD  
RELOCATE 1111 SIGNAL BN & 1108 SIGN BDE TO FT DETRICK, MD  
RELOCATE INFO SYS ENGR CMD ELEMENTS TO FT HUACHUCA, AZ  
RELOCATE DIA & OTHER SERVICE NATIONAL MILITARY CMD CTR SUPPORT ELEMENTS  
TO FT DETRICK, MD FOR HOUSING

CA15-1R C:\COB\C\CA15-1R.CBR  
CLOSE SELFRIDGE

CO4-1 C:\COB\C\CO4-1.CBR  
REVISE BRAC 91. BRAC 91 RECOMMENDED DISESTABLISHMENT OF THE US ARMY BIO-  
MEDICAL RESEARCH DEVELOPMENT LABORATORY AT WRIGHT-PATTERSON AIR FORCE,  
OHIO. THIS ALTERNATIVE MOVES THE HEALTH ADVISORIES ENVIRONMENTAL FATE  
RESEARCH, AND MIL CRITERIA RESEARCH FUNCTIONS OF THE ENVIRONMENTAL QUALITY  
RESEARCH BRANCH TO APG. THE REMAINING FUNCTIONS OF CONDUCTING NON-  
MAMMALIAN TOXICITY ASSESSMENT MODELS AND ONSITE BIOMONITORING RES REMAINS  
AT FT DETRICK.

CA15-1 C:\COB\C\CA15-1.CBR  
CLOSE SELFRIDGE, MOVE TACOM RELATED ACTIVITIES TO DETROIT ARSENAL

CA8-1 C:\COB\C\CA8-1.CBR  
CLOSE FT MEADE. ENCLAVE NSA. MOVE DINFOS, FIELD BAND TO BELVOIR  
INACTIVATE 1ST ARMY. ELIMINATE CORPS TROOPS, GARRISON, MED DEP.  
MOVE INSCOM ACTIVITIES AND MISC TO BASE X. MOVE AIR FORCE PERSONNEL  
TO AFB. MOVE NAVY AND MARINE PERSONNEL TO NAVY BASE. 97TH ARCOM IS  
INACTIVATED.

CA11-1 C:\COB\C\CA11-1.CBR  
CLOSE FT RITCHIE, MOVE 1111TH AND 1108 SIG TO FT RITCHIE EXCEPT FOR THE 31  
HQ 1111TH PERSONNEL THAT ARE AT SITE R. MOVE ISEC-CONUS TO HUACHUCA EXCEPT  
FOR 40 CIV WHO ARE GOING TO FT DETRICK. MOVE ALL OTHER TO BASE X

CA09-1 C:\COB\C\CA09-1.CBR  
CLOSE FT MONROE. MOVE TRADOC, ROTC CADET CMD, CIV PERS ACTIVITY AND ARMY  
PERS CTR TO FT EUSTIS. MOVE DA CIV TNG DET, USAINSCOM BN, SCH USA WAR CO,  
AVN CMD, 1ST USARIBSS, AUDIT AGENCY, AIR FORCE, NAVY, US ARMY AF ELE,  
ENGR DIV-NO ATL, AND BAND TO BASE X, ELIMINATE REMAINDER,  
CHAMBERLAIN HOTEL REMAINS.

CA09-1 C:\COB\C\CA09-1'.CBR  
CLOSE FT MONROE. MOVE TRADOC, ROTC CADET CMD, CIV PERS ACTIVITY AND ARMY  
PERS CTR TO FT EUSTIS. MOVE DA CIV TNG DET, USAINSCOM BN, SCH USA WAR CO,  
AVN CMD, 1ST USARIBSS, AUDIT AGENCY, AIR FORCE, NAVY, US ARMY AF ELE,  
ENGR DIV-NO ATL, AND BAND TO BASE X, ELIMINATE REMAINDER,  
CHAMBERLAIN HOTEL REMAINS.

CA09-2 C:\COB\C\CA09-2.CBR  
ENCLAVE FT MONROE. MOVE TRADOC & SUPPORTING OFCS AND ROTC CADET CMD TO  
FT EUSTIS. ELIMINATE MONROE GARRISON, MONROE MWR, AAFES, DIN FAC CONTR SPT,  
HEALTH & DENTAL CLINIC & COMMISSARY. LEAVES TDC AVN DET AT LANGLEY. LAM  
MOVES TO CRYSTAL CITY BEFORE BRAC. NAVAL SURF WARF CTR & CHAMBERLAIN HOTEL  
REMAIN AT FT MONROE.

C04-2 C:\COB\C\C04-2.CBR  
CHANGE BRAC 91 RECOMMENDATION. THIS SCENARIO PROVIDES THE COST SAVINGS  
THAT IS INCURRED BY PERSONNEL NOT HAVING TO MOVE TO WRIGHT-PATTERSON AFB.  
THIS COST SAVINGS WILL BE INSERTED IN SCENARIO C04-1

There are 103 COBRA data files.

COBRA FILES IN C:\COB\L\  
(As of 07:29 04/14/1995)

Description:	File Name:
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IF1-1	C:\COB\L\LIMA.CBR
CLOSE THE LIMA TANK PLANT, ELIMINATE ALL MILITARY AND CIVILIAN POSITIONS, AND MOTHBALL THE FACILITY. FACILITY IS A GOCO WITH GENERAL DYNAMICS BEING THE CONTRACTOR.	

LE1-1                                   C:\COB\L\LE1-1.CBR  
ALL TO BELVOIR  
CONSTRUCT FACILITY FOR HQ, AMC AND RENOVATE FOR SRAs  
ELIMINATED 34 CIVILIAN POSITIONS REDUNDANT TO BASOPS FUNCTIONS  
ONE TIME MOVING COSTS OF \$326K INCLUDED  
COMMUNICATIONS UPGRADES OF \$1.8M INCLUDED AS ONE TIME COST  
ADP UPGRADES @ BELVOIR TO SPT HQ, AMC (REDUCED BY 75% OF ESTIMATE  
SINCE DLA MOVE WILL ALREADY CAUSE THIS TO BE UPGRADED) \$4M  
BELVOIR LISTS BETWEEN 200 AND 300K SQUARE FEET OF EXCESS TEMP ADMIN

LE1-1X1                                C:\COB\L\LE1-1X1.CBR  
ALL TO BELVOIR  
RENOVATE FACILITY

LE1-1X3                                C:\COB\L\LE1-1X3.CBR  
ALL TO BELVOIR  
CONSTRUCT FACILITY FOR HQ, AMC AND RENOVATE FOR SRAs  
BOSMM CALLS FOR 68 PLUS-UP; AMC SHOWS 34 ELIMINATIONS FOR BASOPS OVERLAP  
ONE TIME MOVING COSTS OF \$326K INCLUDED  
COMMUNICATIONS UPGRADES OF \$1.8M INCLUDED AS ONE TIME COST  
ADP UPGRADES @ BELVOIR TO SPT HQ, AMC (REDUCED BY 75% OF ESTIMATE  
SINCE DLA MOVE WILL ALREADY CAUSE THIS TO BE UPGRADED) \$4M  
BELVOIR LISTS BETWEEN 200 AND 300K SQUARE FEET OF EXCESS TEMP ADMIN

LE1-1X4                                C:\COB\L\LE1-1X4.CBR  
ALL TO ROCK ISLAND ARSENAL, IL  
RENOVATE FACILITY FOR HQ, AMC AND SRAs  
BOSMM CALLS FOR 111 PLUS-UP;  
COMMUNICATIONS UPGRADES OF \$1.8M INCLUDED AS ONE TIME COST  
ADP UPGRADES @ RIA TO SPT HQ, AMC (REDUCED BY 75% OF ESTIMATE  
SINCE DEFENSE MEGA CENTER WILL ALREADY CAUSE THIS TO BE UPGRADED) \$4M

LE1-1X5                                C:\COB\L\LE1-1X5.CBR  
VACATE LEASE  
BUILD AT FORT MEADE  
BASOPS PLUS-UP OF 109 PER BOSMM RUN

LE1-1X6                                C:\COB\L\LE1-1X6.CBR  
VACATE LEASE  
BUILD AT REDSTONE ARSENAL, AL  
BASOPS PLUS-UP OF 111 PER BOSMM RUN

LE1-2                                   C:\COB\L\LE1-2.CBR  
VACATE LEASE  
BUILD AT FORT MEADE

LE1-2X1                                C:\COB\L\LE1-2X1.CBR  
VACATE LEASE  
RENOVATE AT FORT MEADE

LE1-2X2                    C:\COB\L\LE1-2X2.CBR  
VACATE LEASE  
EXISTING CONSTRUCTION AT MEADE

LE1-2X3                    C:\COB\L\LE1-2X3.CBR  
VACATE LEASE  
BUILD AT FORT MEADE  
BASOPS PLUS-UP OF 109 PER BOSMM RUN

LE1-3                      C:\COB\L\LE1-3.CBR  
VACATE AMC LEASE  
MOVE TO TECOM HQ APG  
TECOM HQ TO WSMR NEW CONSTRUCTION

LE1-3X1                    C:\COB\L\LE1-3X1.CBR  
VACATE AMC LEASE  
MOVE TO TECOM HQ APG  
TECOM HQ TO WSMR NO CONSTRUCTION

LE10-1                     C:\COB\L\LE10-1.CBR  
CONSTRUCT NEW FACILITY  
CONSOLIDATE ALL OPERATIONAL TESTING AT FORT HOOD AND ALIGN WITH WESTERN  
TEST COMPLEX

LE10-1X1                   C:\COB\L\LE10-1X1.CBR  
CONSTRUCT NEW FACILITY  
CONSOLIDATE ALL OPERATIONAL TESTING AT FORT HOOD AND ALIGN WITH WESTERN  
TEST COMPLEX  
USING DATA CALL CERTIFIED DATA FOR LEASE COSTS

LE10-1X2                   C:\COB\L\LE10-1X2.CBR  
CONSTRUCT NEW FACILITY @ FT HOOD  
CONSOLIDATE ALL OPERATIONAL TESTING AT FORT HOOD AND ALIGN WITH WESTERN  
TEST COMPLEX  
USE ONLY OPTEC HQ PERSONNEL PER DATA CALL (OEC ALREADY RELOCATED TO HOOD)  
LEASE COST REDUCED PROPORTIONALLY TO \$295K

LE10-1X3                   C:\COB\L\LE10-1X3.CBR  
RENOVATE FACILITY @ FT BLISS  
CONSOLIDATE ALL OPERATIONAL TESTING AT FORT BLISS AND ALIGN WITH WESTERN  
TEST COMPLEX  
USE ONLY 50% OPTEC HQ PERSONNEL PER DATA CALL (OEC ALREADY RELOCATED TO HOOD)  
LEASE COST REDUCED PROPORTIONALLY TO \$150K

LE10-2                     C:\COB\L\LE10-2.CBR  
CONSTRUCT NEW FACILITY  
CONSOLIDATE OPERATIONAL TESTING AND ALIGN WITH WESTERN  
TEST COMPLEX

LE10-2X1                    C:\COB\L\LE10-2X1.CBR  
CONSTRUCT NEW FACILITY  
CONSOLIDATE OPERATIONAL TESTING AND ALIGN WITH WESTERN  
TEST COMPLEX  
DATA CALL CERTIFIED LEASE COST USED

LE10-3                      C:\COB\L\LE10-3.CBR  
CONSTRUCT NEW FACILITY  
CONSOLIDATE OPERATIONAL TESTING AND ALIGN WITH WESTERN  
TEST COMPLEX

LE10-3X1                    C:\COB\L\LE10-3X1.CBR  
CONSTRUCT NEW FACILITY  
CONSOLIDATE OPERATIONAL TESTING AND ALIGN WITH WESTERN  
TEST COMPLEX  
DATA CALL CERTIFIED LEASE COST USED

LE10-4                      C:\COB\L\LE10-4.CBR  
ALL TO BELVOIR  
CONSTRUCT FACILITY

LE10-4X1                    C:\COB\L\LE10-4X1.CBR  
ALL TO BELVOIR  
NO CONSTRUCTION

LE10-4X2                    C:\COB\L\LE10-4X2.CBR  
ALL TO BELVOIR  
RENOVATE  
USING DATA CALL NUMBERS OF PERSONNEL REFLECTING OEC ALREADY MOVED TO HOOD

LE10-4X3                    C:\COB\L\LE10-4X3.CBR  
ALL TO BELVOIR  
NO CONSTRUCTION  
DATA CALL CERTIFIED LEASE COST USED AND ADJUSTED FOR 84 PEOPLE (295K)  
ACTUAL NUMBERS OF PERSONNEL REMAINING AFTER OEC MOVE TO HOOD IN FY96 (84)

LE10-4X4                    C:\COB\L\LE10-4X4.CBR  
ALL TO BELVOIR  
RENOVATE  
USING DATA CALL NUMBERS OF PERSONNEL REFLECTING OEC ALREADY MOVED TO HOOD

LE10-5                      C:\COB\L\LE10-5.CBR  
CONSTRUCT NEW FACILITY

LE10-5X1                    C:\COB\L\LE10-5X1.CBR  
CONSTRUCT NEW FACILITY  
DATA CALL CERTIFIED DATA USED

LE11-1                      C:\COB\L\LE11-1.CBR  
VACATE LEASE  
NEW CONSTRUCTION



LE11-1X1                    C:\COB\L\LE11-1X1.CBR  
VACATE LEASE  
MOVE INTO DLA BUILDING / COMMUNICATIONS COSTS PLUS LOCAL MOVE

LE11-1X3                    C:\COB\L\LE11-1X3.CBR  
VACATE LEASE  
MOVE INTO DLA BUILDING / COMMUNICATIONS COSTS PLUS LOCAL MOVE

LE11-1X5                    C:\COB\L\LE11-1X5.CBR  
VACATE LEASE  
RENOVATE @ MEADE IN CONUSA BLDG  
ONE-TIME MOVEMENT COST FOR 332 PERSONNEL \$78K  
ONE-TIME MOVEMENT COST FOR ADP EQUIP \$200K  
BOSMM ADDS = 20 CIVILIANS

LE12-1                      C:\COB\L\LE12-1.CBR  
ALL TO BELVOIR  
CONSTRUCT FACILITY

LE12-1X1                    C:\COB\L\LE12-1X1.CBR  
ALL TO BELVOIR  
NO CONSTRUCTION

LE12-2                      C:\COB\L\LE12-2.CBR  
ALL TO BELVOIR  
CONSTRUCT FACILITY  
THIS USES DATA CALL DATA WHICH VARIES GREATLY FROM ASIP AND BALD

LE12-3                      C:\COB\L\LE12-3.CBR  
ALL TO MEADE  
CONSTRUCT FACILITY  
THIS USES DATA CALL DATA WHICH VARIES GREATLY FROM ASIP AND BALD

LE13-1                      C:\COB\L\LE13-1.CBR  
VACATE LEASE  
CONSTRUCT NEW FACILITY

14-1                         C:\COB\L\LE14-1.CBR  
RELOCATE TO BELVOIR  
BUILD

14-1X1                      C:\COB\L\LE14-1X1.CBR  
RELOCATE TO MEADE  
BUILD

LE2-1 C:\COB\L\LE2-1.CBR  
VACATE LEASE AT ST. LOUIS BY CLOSING AVIATION-TROOP COMMAND (ATCOM) AND  
CONSOLIDATE AVRDEC, AVIATION MANAGEMENT AND PEO STRUCTURE WITH REDSTONE  
ARSENAL (RSA) TO FORM THE ARMY AVIATION & MISSILE COMMAND WITH 2 RDEC'S:  
AVIATION & MISSILE; NON-AVIATION FUNCTIONS RELATED TO SOLDIER SYSTEMS IS  
TO REALIGN WITH ABERDEEN PG TO FORM THE SOLDIERS COMMAND; MOVE ALL FUNCTIONS  
RELATED TO MATERIEL MANAGEMENT ACQUISITION SUPPORT TO DETROIT ARSENAL OR  
FORT MONMOUTH TO ALIGN FUNCTIONS WITH ITS COMMODITY.  
SOURCE: TASS, SINGLEY WHITE PAPER & HQ AMC

LE2-1X1 C:\COB\L\LE2-1X1.CBR  
ALIGN FUNCTIONAL COMMANDS WITH PROPONENTS  
SPACE EXISTS--VACATE LEASES  
RENOVATE AT RIA  
BUILD AT RSA  
PRICE SUPPORT CENTER CLOSES AS A RESULT

LE2-1X2 C:\COB\L\LE2-1X2.CBR  
ALIGN FUNCTIONAL COMMANDS WITH PROPONENTS  
SPACE EXISTS--VACATE LEASES  
RENOVATE AT RIA  
BUILD AT RSA  
CORRECTED ACCOUNTABILITY OF "OTHERS" CATEGORY: IN 2-1 THEY WERE COUNTED  
AND FIRED. IN THIS ONE THEY WERE NOT COUNTED AT ALL THEREFORE  
NO SAVINGS WERE REALIZED FOR PERSONNEL  
ALL "X2" SCENARIOS WILL REFLECT THIS CORRECTION

LE2-1X3 C:\COB\L\LE2-1X3.CBR  
ALIGN FUNCTIONAL COMMANDS WITH PROPONENTS  
SPACE EXISTS--VACATE LEASES  
RENOVATE AT RIA INCORPORATING REAL RENOVATION COSTS FOR THE AREA \$45/SQ FT  
BUILD AT RSA  
CORRECTED ACCOUNTABILITY OF "OTHERS" CATEGORY: IN 2-1 THEY WERE COUNTED  
AND FIRED. IN THIS ONE THEY WERE NOT COUNTED AT ALL THEREFORE  
NO SAVINGS WERE REALIZED FOR PERSONNEL  
ALL "X2" SCENARIOS WILL REFLECT THIS CORRECTION

LE2-2 C:\COB\L\LE2-2.CBR  
ALIGN FUNCTIONAL COMMANDS WITH PROPONENTS  
SPACE EXISTS--VACATE LEASES  
BUILD AT RSA  
BUILD AT ABERDEEN FOR TRP SPT

LE2-2X1 C:\COB\L\LE2-2X1.CBR  
ALIGN FUNCTIONAL COMMANDS WITH PROPONENTS  
SPACE EXISTS--VACATE LEASES  
BUILD AT RSA  
RENOVATE AT ABERDEEN (BASED ON TECOM MOVE WEST)

LE2-2X2 C:\COB\L\LE2-2X2.CBR  
ALIGN FUNCTIONAL COMMANDS WITH PROPONENTS  
SPACE EXISTS--VACATE LEASES  
BUILD AT RSA  
BUILD AT ABERDEEN FOR TRP SPT  
CORRECTED ACCOUNTABILITY OF "OTHERS" CATEGORY: IN PREVIOUS RUNS THEY WERE  
COUNTED AND FIRED. NOW THEY ARE NOT COUNTED AND THEREFORE NO SAVINGS  
ALL "X2" SCENARIOS REFLECT THIS CORRECTION

LE2-3 C:\COB\L\LE2-3.CBR  
ALIGN FUNCTIONAL COMMANDS WITH PROPONENTS  
SPACE EXISTS--VACATE LEASES  
BUILD AT RSA

LE2-5 C:\COB\L\LE2-5.CBR  
EXAMINE CONSOLIDATING AVN FACILITIES AT CORPUS CHRISTI

LE2-6 C:\COB\L\LE2-6.CBR  
VACATE LEASE AT ST. LOUIS BY CLOSING AVIATION-TROOP COMMAND (ATCOM) AND  
CONSOLIDATING AVRDEC, AVIATION MANAGEMENT AND PEO STRUCTURE WITH REDSTONE  
ARSENAL (RSA) TO FORM THE ARMY AVIATION & MISSILE COMMAND; NON-AVIATION  
FUNCTIONS RELATED TO SOLDIER SYSTEMS IS TO REALIGN WITH NATICK RDEC; MOVE  
ALL FUNCTIONS RELATED TO MATERIEL MANAGEMENT ACQUISITION SUPPORT TO DETROIT  
ARSENAL OR FORT MONMOUTH TO ALIGN FUNCTIONS WITH ITS COMMODITY.  
SOURCE: SA

LE3-1 C:\COB\L\LE3-1.CBR  
CONSTRUCT NEW FACILITY

LE3-1X1 C:\COB\L\LE3-1X1.CBR  
NO CONSTRUCTION JUST RENOVATE

LE3-2 C:\COB\L\LE3-2.CBR  
CONSTRUCT NEW FACILITY

LE3-2X1 C:\COB\L\LE3-2X1.CBR  
CONSTRUCT NEW FACILITY

LE3-2X2 C:\COB\L\LE3-2X2.CBR  
CONSTRUCT NEW FACILITY  
EXCLUDED INTERNS LISTED AGAINST PERSCOM (1013 USC)  
LEASE DATA FROM SPACE & BLDG MANAGEMENT

LE4-1 C:\COB\L\LE4-1.CBR  
VACATE LEASE  
CONSTRUCT NEW

LE4-2 C:\COB\L\LE4-2.CBR  
VACATE LEASES  
CONSTRUCT AND RENOVATE AT RIA

LE4-3 C:\COB\L\LE4-3.CBR  
VACATE LEASE  
MOVE INTO BROOKE ARMY MED CENTER W/ FIXED RENOVATION COSTS OF \$10M  
AND \$14M FOR MAIN AND BEACH BUILDINGS  
CONSTRUCT REQUIRED WAREHOUSE FACILITY 91K SQ FT PER OCAR DATA CALL  
CONSTRUCT REQUIRED LIGHT INDUSTRIAL FACILITY 43K SQ FT PER OCAR DATA CALL  
\$513K ONE TIME MOVING COST FOR ADP PER OCAR DATA CALL

LE4-XX C:\COB\L\LE4-XX.CBR  
VACATE LEASE  
CONSTRUCT NEW

LE5-1 C:\COB\L\LE5-1.CBR

LE5-XX C:\COB\L\LE5-XX.CBR  
TEST RUN  
CONSTRUCTION  
CUT NUMBER MOVED ONTO RSA BY 100 TO LESSEN BASOPS IMPACT  
LEASE = \$4,414 PER YEAR PER PERSON  
BASOPS AT RSA = \$4,185 PER PERSON

LE6-1 C:\COB\L\LE6-1.CBR  
ALL TO BELVOIR  
CONSTRUCT FACILITY

LE6-1X1 C:\COB\L\LE6-1X1.CBR  
ALL TO BELVOIR  
NO CONSTRUCTION

LE6-2 C:\COB\L\LE6-2.CBR  
ALL TO MEADE  
CONSTRUCT FACILITY

LE6-3X1 C:\COB\L\LE6-3X1.CBR  
VACATE LEASE  
NEW CONSTRUCTION  
BAILEY'S and BALLSTON WEBB MTMC TO MEADE

LE6-3X10 C:\COB\L\LE6-3X10.CBR  
VACATE LEASE  
NEW CONSTRUCTION/RENOVATION COMBINATION  
INITIAL LOOK AT CONSOLIDATING A NUMBER OF LEASES INTO MULTIPLE FACILITIES  
ADDS USAOPTEC TO THIS SCENARIO  
SEPARATES TJAG TO BELVOIR AS PREFERENCE INTO DLA BLDG  
PORTION OF OPTEC HQ TO FORT BLISS

LE6-3X2 C:\COB\L\LE6-3X2.CBR  
VACATE LEASE  
NEW CONSTRUCTION  
BAILEY'S JAG TO MEADE

LE6-3X3                           C:\COB\L\LE6-3X3.CBR  
VACATE LEASE  
NEW CONSTRUCTION  
INITIAL LOOK AT CONSOLIDATING A NUMBER OF LEASES INTO ONE FACILITY

LE6-3X4                           C:\COB\L\LE6-3X4.CBR  
VACATE LEASE  
NEW CONSTRUCTION  
INITIAL LOOK AT CONSOLIDATING A NUMBER OF LEASES INTO ONE FACILITY

LE6-3X5                           C:\COB\L\LE6-3X5.CBR  
VACATE LEASE  
NEW CONSTRUCTION  
INITIAL LOOK AT CONSOLIDATING A NUMBER OF LEASES INTO MULTIPLE FACILITIES  
ADDS USAOPTEC TO THIS SCENARIO

LE6-3X6                           C:\COB\L\LE6-3X6.CBR  
VACATE LEASE  
NEW CONSTRUCTION/RENOVATION COMBINATION  
INITIAL LOOK AT CONSOLIDATING A NUMBER OF LEASES INTO MULTIPLE FACILITIES  
ADDS USAOPTEC TO THIS SCENARIO  
SEPARATES TJAG TO BELVOIR AS PREFERENCE INTO DLA BLDG

LE6-3X7                           C:\COB\L\LE6-3X7.CBR  
VACATE LEASE  
BAILEY'S JAG TO BELVOIR INTO DLA BLDG

LE6-3X8                           C:\COB\L\LE6-3X8.CBR  
VACATE LEASE  
BAILEY'S MTMC TO BELVOIR INTO DLA BLDG

LE6-3X9                           C:\COB\L\LE6-3X9.CBR  
VACATE LEASE  
NEW CONSTRUCTION

LE7-1                               C:\COB\L\LE7-1.CBR  
VACATE LEASE  
BUILD ON FORT CARSON

LE7-1X1                           C:\COB\L\LE7-1X1.CBR  
VACATE LEASE  
NO CONSTRUCTION ON FORT CARSON  
MINIMAL RENOVATION RESULT OF DOWNSIZING AT CARSON  
1-TIME MOVE COST FOR 468 PEOPLE \$109K  
1-TIME MOVE COST FOR ADP EQUIP \$200K  
REQUIRES USE OF 18,600 SQUARE FT OF TEMP ADMIN SPACE OR BUILD

LE7-1X2                           C:\COB\L\LE7-1X2.CBR  
VACATE LEASE  
NO CONSTRUCTION ON FORT CARSON  
NO RENOVATION RESULT OF DOWNSIZING AT CARSON

LE8-1X1 C:\COB\L\LE8-1X1.CBR  
VACATE LEASE  
RENOVATE @ BELVOIR

LE8-2X1 C:\COB\L\LE8-2X1.CBR  
VACATE LEASE  
RENOVATE @ MEADE IN CONUSA BLDG  
ONE-TIME MOVEMENT COST FOR 201 PERSONNEL \$47K  
ONE-TIME MOVEMENT COST FOR ADP EQUIP \$200K

LE8-2X2 C:\COB\L\LE8-2X2.CBR  
VACATE LEASE  
MOVE INTO DLA BUILDING / COMMUNICATIONS COSTS PLUS LOCAL MOVE

LE9-1 C:\COB\L\LE9-1.CBR

LE9-1X1 C:\COB\L\LE9-1X1.CBR  
VACATE LEASE  
USE EXISTING SPACE AT ADELPHI

LE9-2 C:\COB\L\LE9-2.CBR  
VACATE LEASE  
USE EXISTING SPACE AT APG

LE9-XX C:\COB\L\LE9-XX.CBR  
LEASE TO LEASE EXPERIMENT  
ASSUMES EQUIVALENT LEASE COST IN MDW

LE99-XX C:\COB\L\LE99-XX.CBR  
ISC PROVIDED DATA: MOVE 40 CIVILIANS  
ELIM 89 CIVILIANS  
STOCK & EQUIP MOVE COSTS \$708K  
LEASE COST @ ST. LOUIS \$2.68M  
CONSTRUCTION REQUIRED: \$2M ISC FUNCTION; \$1.6M CAROUSEL STORAGE SYSTEM  
(DATA FROM MR. JERRY KING, ISC, 25 OCT 94)

LE11-1X6 C:\COB\L\LE11-1X6.CBR  
VACATE LEASE  
RENOVATE @ MEADE IN CONUSA BLDG  
ONE-TIME MOVEMENT COST FOR 332 PERSONNEL \$78K  
ONE-TIME MOVEMENT COST FOR ADP EQUIP \$200K  
BOSMM ADDS = 20 CIVILIANS  
CORRECTED ASIP NUMBERS

LE4-XXX                   C:\COB\L\LE4-XXX.CBR  
VACATE LEASE  
MOVE INTO PURCHASED BLDG @ \$12M  
ONLY MOVE PERSONNEL PER EXPERIMENTAL DATA  
ELIMINATE WAREHOUSE REQUIREMENT  
ELIMINATE LIGHT INDUSTRIAL SPACE  
ELIMINATE ADP MOVING AND INSTALLATION COSTS  
ELIMINATE COMMUNICATIONS COSTS

LE4-YYY                   C:\COB\L\LE4-YYY.CBR  
VACATE LEASE  
MOVE INTO BROOKE ARMY MED CENTER W/ NO RENOVATION COSTS  
MOVE PERSONNEL FROM ST. LOUIS AND ATLANTA  
CONSTRUCT REQUIRED WAREHOUSE FACILITY 10K SQ FT PER OCAR DATA CALL  
\$2.5M COMMUNICATIONS ESTABLISHMENT COSTS  
\$250K ONE TIME MOVING COST FOR ADP HALF OF ORIGINAL COSTS  
ELIMINATED BASOPS COSTS AT FT SAM HOUSTON PER OCAR REQUEST

LE8-1X11                  C:\COB\L\LE8-1X11.CBR  
VACATE LEASE  
RENOVATE @ BELVOIR

LE11-1X7                  C:\COB\L\LE11-1X7.CBR  
VACATE LEASE  
RENOVATE @ MEADE IN CONUSA BLDG  
ONE-TIME MOVEMENT COST FOR 332 PERSONNEL \$78K  
ONE-TIME MOVEMENT COST FOR ADP EQUIP \$200K  
BOSMM ADDS = 20 CIVILIANS  
CORRECTED ASIP NUMBERS  
INCLUDES STATIC CHANGES PER LTC BORNHOFT

LE11-1X8                  C:\COB\L\LE11-1X8.CBR  
VACATE LEASE  
RENOVATE @ MEADE IN CONUSA BLDG  
ONE-TIME MOVEMENT COST FOR 332 PERSONNEL \$78K  
ONE-TIME MOVEMENT COST FOR ADP EQUIP \$200K  
BOSMM ADDS = 16 CIVILIANS  
CORRECTED ASIP NUMBERS  
INCLUDES STATIC CHANGES PER LTC BORNHOFT  
REVISED ACSIM MILCON SPECIFICATIONS BY TYPE OF CONSTRUCTION

LE8-1                    C:\COB\L\LE8-1.CBR  
VACATE LEASE  
CONSTRUCT NEW @ BELVOIR

LE8-2                    C:\COB\L\LE8-2.CBR  
VACATE LEASE  
CONSTRUCT NEW @ MEADE

LE2-8

C:\COB\L\LE2-8.CBR

VACATE LEASE AT ST LOUIS BY CLOSING AVIATION-TROOP COMMAND (ATCOM) AND CONSOLIDATE AVRDEC, AVIATION MANAGEMENT AND PEO STRUCTURE WITH REDSTONE ARSENAL (RSA) TO FORM THE ARMY AVIATION & MISSILE COMMAND WITH 2 RDEC's: AVIATION & MISSILE; NON-AVIATION FUNCTIONS RELATED TO SOLDIER SYSTEMS IS TO REALIGN WITH FORT BENNING TO FORM THE SOLDIERS COMMAND; MOVE ALL FUNCTIONS RELATED TO MATERIEL MANAGEMENT ACQUISITION SUPPORT TO DETROIT ARSENAL OR FORT MONMOUTH TO ALIGN FUNCTIONS WITH ITS COMMODITY.  
SOURCES: TASS, SINGLEY WHITE PAPER, AMC

LE2-9

C:\COB\L\LE2-9.CBR

VACATE LEASE AT ST. LOUIS BY CLOSING AVIATION-TROOP COMMAND (ATCOM) AND CONSOLIDATE AVRDEC, AVIATION MANAGEMENT AND PEO STRUCTURE WITH REDSTONE ARSENAL (RSA) TO FORM THE ARMY AVIATION & MISSILE COMMAND WITH 2 RDEC's: AVIATION & MISSILE; NON-AVIATION FUNCTIONS RELATED TO SOLDIER SYSTEMS IS TO REALIGN WITH ROCK ISLAND ARSENAL TO FORM THE SOLDIERS COMMAND; MOVE ALL FUNCTIONS RELATED TO MATERIAL MANAGEMENT ACQUISITION SUPPORT TO DETROIT ARSENAL AND FORT MONMOUTH TO ALIGN FUNCTIONS WITH ITS COMMODITY.  
SOURCES: TASS, SINGLEY WHITE PAPER, AMC

LAB-2

C:\COB\L\LAB-2.CBR

TRANSFER MRDEC PERSONNEL WORKLOAD ASSOCIATED WITH THE CSF OF FIXED WING, PROPULSION, AVIONICS AND FLIGHT SUBSYSTEMS TO NAWC-PAX RIVER, MD  
SOURCE: LJCSG

LAB-2A

C:\COB\L\LAB-2A.CBR

TRANSFER MRDEC PERSONNEL ASSOCIATED WITH THE CSF OF FIXED WING, PROPULSION AVIONICS AND FLIGHT SUBSYSTEMS TO NAWC-PAX RIVER, MD  
SOURCE: LJCSG

LAB-3

C:\COB\L\LAB-3.CBR

EXPLORING THE POSSIBILITY TO TRANSFER FIXED WING, PROPULSION, AVIONICS AND FLIGHT SUBSYSTEMS CSF ISE WORKLOAD FROM AVRDEC - ST. LOUIS, MO TO THE NAVY AT NAWC PAX RIVER, MD.  
SOURCE: LJCSG

LAB-4

C:\COB\L\LAB-4.CBR

SCENARIO TRANSFERS ENERGETICS (PROPULSION) WORKLOAD FROM MRDEC - REDSTONE ARSENAL, AL TO THE NAVY NAWC - CHINA LAKE, CA  
SOURCE: LJCSG

LAB-5

C:\COB\L\LAB-5.CBR

COMBINE THE ENERGETICS (PYROTECHNICS) WORKLOAD FROM PICATINNY ARSENAL WITH THE NAVY - NAWC, CRANE, IN  
SOURCE: LJCSG

LAB-1

C:\COB\L\LAB-1.CBR

PER LABORATORY JOINT CROSS SERVICE GROUP (LJCSG) ALTERNATIVE, THIS SCENARIO COLLOCATES SCIENCE & TECHNOLOGY DIRECTED ENERGY WEAPONS WORKLOAD FROM ARMY RESEARCH LABORATORY - ADELPHI, MD TO AIR FORCE AT PHILLIPS - KIRTLAND, NM.  
SOURCE: LJCSG



LAB-6 C:\COB\L\LAB-6.CBR  
TRANSFER MRDEC PERSONNEL WORKLOAD ASSOCIATED WITH THE COMMON SUPPORT FUNCTION  
FIXED WING, PROPULSION, AVIONICS AND FLIGHT SUBSYSTEMS SPECIFICALLY UAV TO  
THE AIR FORCE AT WPAFB-ASC.  
SOURCE: LJCSG

LAB-6A C:\COB\L\LAB-6A.CBR  
TRANSFER MRDEC PERSONNEL WORKLOAD ASSOCIATED WITH THE COMMON SUPPORT FUNCTION  
FIXED WING, PROPULSION, AVIONICS AND FLIGHT SUBSYSTEMS SPECIFICALLY UAV TO  
THE AIR FORCE AT HILL AFB, UT.  
SOURCE: LJCSG

LAB-7 C:\COB\L\LAB-7.CBR  
TRANSFER AVRDEC ISE WORKLOAD FOR THE ARMY'S SMALL C-22, C-12 ETC, FIXED WING  
AIRCRAFT. AIR FORCE IDENTIFIED TINKER AFB AS THE GAINING INSTALLATION. THE  
AIR FORCE HAS NO IN-HOUSE ISE FOR C-22 AND C-12 AIRCRAFT. THE SUPPORT  
REQUIREMENTS WOULD BE ACCOMPLISHED BY OC-ALC, TINKER AFB THROUGH CONTRACTOR  
SUPPORT. A MISSION TRANSFER FOR THIS ACTIVITY WAS INCLUDED WITH SUFFICIENT  
PERSONNEL TO ESTABLISH AND MAINTAIN CONTRACTED ISE FOR THE ARMY'S C-22/C-12S.  
SOURCE: LJCSG

LAB-8 C:\COB\L\LAB-8.CBR  
CONSOLIDATE HQS ARI, ALEXANDRIA, VA INTO A SINGLE SITE AT ORLANDO, FL.  
THE LJCSG RECOMMENDATION UNDER TRAINING SYSTEMS MOVES WORKLOAD TO STRICOM,  
ORLANDO, FL THE MANPOWER & PERSONNEL WORKLOAD OF HQ ARI LOGICALLY SHOULD  
MOVE THERE IF FINANCIALLY FEASIBLE.  
SOURCE: LJCSG

LAB-9 C:\COB\L\LAB-9.CBR  
COLOCATE TRAINING SYSTEMS WORKLOAD FROM HQS-ARI, ALEXANDRIA, VA TO NAWCTSD,  
ORLANDO, FL.  
SOURCE: LJCSG

LE2-6A C:\COB\L\LE2-6A.CBR  
CLOSE BY VACATING THE LEASE AND REALIGNING MISSIONS/FUNCTIONS AS FOLLOWS:  
- RELOCATE AVRDEC, AVIATION MGMT, AND AVIATION PEO STRUCTURE TO REDSTONE TO  
FORM THE AVIATION & MISSILES COMMAND  
- RELOCATE FUNCTIONS RELATED TO SOLDIER SYSTEM TO NATICK RDEC TO ALIGN WITH  
SOLIDIER SYSTEMS COMMAND  
- RELOCATE COMMUNICATIONS-ELECTRONICS FUNCTIONS TO FT. MONMOUTH TO ALGIN WITH  
CECOM  
- RELOCATE AUTOMOTIVE FUNCTIONS TO DETROIT ARSENAL TO ALIGN WITH TACOM.

LAB-1A C:\COB\L\LAB-1A.CBR  
COLLOCATE SCIENCE & TECHNOLOGY DIRECTED ENERGY WEAPONS WORKLOAD FROM ARMY  
RESEARCH LAB, ADELPHI, MD TO AIR FORCE AT PHILLIPS-KIRTLAND AFB, NM  
SOURCE: LJCSG

MA4-7-1 C:\COB\M\MA4-7-1.CBR

REALIGN FT DRUM:

- (1) MOVE 10TH ID TO ALASKA. DIVIDE UNITS AS NECESSARY BETWEEN FRA & FWA.
- (2) MOVE EAD UNITS TO ALASKA.
- (3) KEEP AN RC ENCLAVE AT DRUM.

MA8-2 C:\COB\M\MA8-2.CBR

REALIGN FT RILEY:

- (1) MOVE ONE HEAVY BRIGADE FROM RILEY TO CARSON AND REFLAG AS 3RD BDE 4TH ID.
- (2) INACTIVATE ONE HEAVY BRIGADE AT RILEY.
- (3) INACTIVATE 2AD HQS AND SUPPORT CAP AT HOOD.
- (4) REFLAG TWO REMAINING 2AD BRIGADES AS 1AD AND 1ID BRIGADES.
- (5) KEEP A RESERVE COMPONENT ENCLAVE.

MA4-2 C:\COB\M\MA4-2.CBR

REALIGN FT DRUM:

- (1) MOVE LIGHT DIVISION AND SUPPORT CAP TO HOOD.
- (2) INACTIVATE 2AD HQS, SUPPORT CAP, AND ONE BRIGADE AT HOOD.
- (3) MOVE REMAINING 2AD BRIGADE FROM HOOD TO CARSON AND REFLAG AS 3RD BDE, 4TH ID.
- (4) KEEP A RESERVE COMPONENT ENCLAVE.

MA8-1 C:\COB\M\MA8-1.CBR

CLOSE FT RILEY:

- (1) MOVE ONE HEAVY BRIGADE FROM RILEY TO CARSON AND REFLAG AS 3RD BDE 4TH ID.
- (2) INACTIVATE ONE HEAVY BRIGADE AT RILEY.
- (3) INACTIVATE 2AD HQS AND SUPPORT CAP AT HOOD.
- (4) REFLAG TWO REMAINING 2AD BRIGADES AS 1AD AND 1ID BRIGADES.

MA4-8-1 C:\COB\M\MA4-8-1.CBR

REALIGN FT DRUM:

- (1) MOVE 10TH ID TO POLK AND EAD TO KNOX.
- (2) MOVE POLK EAD TO RILEY, 2ACR TO CARSON, AND ADA BDE TO BLISS.
- (3) MOVE 3ACR TO CARSON
- (4) MOVE ADA BDE FROM HOOD TO BLISS.
- (5) KEEP AN RC ENCLAVE AT DRUM.

MA10-1 C:\COB\M\MA10-1.CBR

CLOSE FT WAINWRIGHT AND MOVE ALL ACTIVITIES TO FT RICHARDSON.

MA10-2 C:\COB\M\MA10-2.CBR

REALIGN FT WAINWRIGHT:

- (1) MOVE ALL ACTIVITIES TO FT RICHARDSON.
- (2) KEEP AN RC ENCLAVE.

MA4-5 C:\COB\M\MA4-5.CBR

REALIGN FT DRUM AND FT RILEY:

- (1) INACTIVATE 2AD HQS, SUPPORT CAP, AND ONE BRIGADE AT HOOD.
- (2) MOVE REMAINING 2AD BRIGADE TO CARSON AND REFLAG AS 3RD BDE, 4TH ID.
- (3) MOVE LIGHT DIVISION W/TWO BRIGADES AND SUPPORT CAP TO HOOD.
- (4) MOVE TWO HEAVY BRIGADES ALIGNED W/1ID AND 1AD TO BLISS.
- (5) KEEP A RESERVE COMPONENT ENCLAVE.

MA4-1 C:\COB\M\MA4-1.CBR

CLOSE FT DRUM:

- (1) MOVE LIGHT DIVISION AND SUPPORT CAP TO HOOD.
- (2) INACTIVATE 2AD HQS, SUPPORT CAP, AND ONE BRIGADE AT HOOD.
- (3) MOVE REMAINING 2AD BRIGADE FROM HOOD TO CARSON AND REFLAG AS 3RD BDE, 4TH ID.

MA4-5-1 C:\COB\M\MA4-5-1.CBR

REALIGN FT DRUM AND FT RILEY:

- (1) INACTIVATE 2AD HQS, SUPPORT CAP, AND ONE BRIGADE AT HOOD.
- (2) MOVE REMAINING 2AD BRIGADE TO CARSON AND REFLAG AS 3RD BDE, 4TH ID.
- (3) MOVE LIGHT DIVISION W/TWO BRIGADES AND SUPPORT CAP TO HOOD.
- (4) MOVE TWO HEAVY BRIGADES ALIGNED W/1ID AND 1AD TO BLISS.
- (5) KEEP A RESERVE COMPONENT ENCLAVE.

MA8-2 C:\COB\M\MA8-2-1.CBR

REALIGN FT RILEY:

- (1) MOVE ONE HEAVY BRIGADE FROM RILEY TO CARSON AND REFLAG AS 3RD BDE 4TH ID.
- (2) INACTIVATE ONE HEAVY BRIGADE AT RILEY.
- (3) INACTIVATE 2AD HQS AND SUPPORT CAP AT HOOD.
- (4) REFLAG TWO REMAINING 2AD BRIGADES AS 1AD AND 1ID BRIGADES.
- (5) KEEP A RESERVE COMPONENT ENCLAVE.

MA4-2-1 C:\COB\M\MA4-2-1.CBR

REALIGN FT DRUM:

- (1) MOVE LIGHT DIVISION AND SUPPORT CAP TO HOOD.
- (2) INACTIVATE 2AD HQS, SUPPORT CAP, AND ONE BRIGADE AT HOOD.
- (3) MOVE REMAINING 2AD BRIGADE FROM HOOD TO CARSON AND REFLAG AS 3RD BDE, 4TH ID.
- (4) KEEP A RESERVE COMPONENT ENCLAVE.

MA4-4 C:\COB\M\MA4-4.CBR

CLOSE FT DRUM AND FT RILEY:

- (1) INACTIVATE 2AD HQS, SUPPORT CAP, AND ONE BRIGADE AT HOOD.
- (2) MOVE REMAINING 2AD BRIGADE TO CARSON AND REFLAG AS 3RD BDE, 4TH ID.
- (3) MOVE LIGHT DIVISION W/TWO BRIGADES AND SUPPORT CAP TO HOOD.
- (4) MOVE TWO HEAVY BRIGADES ALIGNED W/1ID AND 1AD TO BLISS.

MA7-2-1 C:\COB\M\MA7-2-1.CBR

REALIGN FT RICHARDSON:

- (1) MOVE ALL ACTIVITIES TO FT WAINWRIGHT.
- (2) KEEP A RESERVE COMPONENT ENCLAVE AT RICHARDSON.

MA4-2-2 C:\COB\M\MA4-2-2.CBR  
REALIGN FT DRUM:  
(1) MOVE LIGHT DIVISION AND SUPPORT CAP TO HOOD.  
(2) INACTIVATE 2AD HQS, SUPPORT CAP, AND ONE BRIGADE AT HOOD.  
(3) MOVE REMAINING 2AD BRIGADE FROM HOOD TO CARSON AND REFLAG AS 3RD BDE,  
4TH ID.  
(4) KEEP A RESERVE COMPONENT ENCLAVE.

MA7-1 C:\COB\M\MA7-1.CBR  
CLOSE FT RICHARDSON AND MOVE ALL ACTIVITIES TO FT WAINWRIGHT.

MA8-2-2 C:\COB\M\MA8-2-2.CBR  
REALIGN FT RILEY:  
(1) MOVE ONE HEAVY BRIGADE FROM RILEY TO CARSON AND REFLAG AS 3RD BDE  
4TH ID.  
(2) INACTIVATE ONE HEAVY BRIGADE AT RILEY.  
(3) INACTIVATE 2AD HQS AND SUPPORT CAP AT HOOD.  
(4) REFLAG TWO REMAINING 2AD BRIGADES AS 1AD AND 1ID BRIGADES.  
(5) KEEP A RESERVE COMPONENT ENCLAVE.

MA8-2-3 C:\COB\M\MA8-2-3.CBR  
REALIGN FT RILEY:  
(1) MOVE ONE HEAVY BRIGADE FROM RILEY TO CARSON AND REFLAG AS 3RD BDE  
4TH ID.  
(2) INACTIVATE ONE HEAVY BRIGADE AT RILEY.  
(3) INACTIVATE 2AD HQS AND SUPPORT CAP AT HOOD.  
(4) REFLAG TWO REMAINING 2AD BRIGADES AS 1AD AND 1ID BRIGADES.  
(5) KEEP A RESERVE COMPONENT ENCLAVE (200 AREA SUPPORT, 150 GARRISON,  
AND 100 CARETAKERS).

MA3-1 C:\COB\M\MA3-1.CBR  
REALIGN FT CARSON:  
(1) INACTIVATE DIV BASE AND ONE MANEUVER BRIGADE  
(2) ALIGN REMAINING BRIGADE TO DIVISION AT FT HOOD (2AD TO 4ID)  
(3) MOVE 3ACR FROM FT BLISS TO FT CARSON

MT4-1 C:\COB\M\MT4-1.CBR  
CLOSE FT. GREELY, AK:  
(1) MOVE ALL UNITS TO FT WAINWRIGHT.  
(2) RC DOES NOT WANT AN ENCLAVE.

MT4-2 C:\COB\M\MT4-2.CBR  
WARM BED FT. GREELY:  
(1) "SAFARI" FROM FT WAINWRIGHT.  
(2) NO RC REQUIREMENTS FOR ENCLAVE.

MA8-2-4 C:\COB\M\MA8-2-4.CBR

REALIGN FT RILEY:

- (1) MOVE ONE HEAVY BRIGADE FROM RILEY TO CARSON AND REFLAG AS 3RD BDE 4TH ID.
- (2) INACTIVATE ONE HEAVY BRIGADE AT RILEY.
- (3) INACTIVATE 2AD HQS AND SUPPORT CAP AT HOOD.
- (4) REFLAG TWO REMAINING 2AD BRIGADES AS 1AD AND 1ID BRIGADES.
- (5) KEEP A RESERVE COMPONENT ENCLAVE (200 AREA SUPPORT, 150 GARRISON, AND 100 CARETAKERS).

MA4-2-3 C:\COB\M\MA4-2-3.CBR

REALIGN FT DRUM:

- (1) MOVE LIGHT DIVISION AND SUPPORT CAP TO HOOD.
- (2) INACTIVATE 2AD HQS, SUPPORT CAP, AND ONE BRIGADE AT HOOD.
- (3) MOVE REMAINING 2AD BRIGADE FROM HOOD TO CARSON AND REFLAG AS 3RD BDE, 4TH ID.
- (4) KEEP A RESERVE COMPONENT ENCLAVE.

MA8-2-5 C:\COB\M\MA8-2-5.CBR

REALIGN FT RILEY:

- (1) MOVE ONE HEAVY BRIGADE FROM RILEY TO CARSON AND REFLAG AS 3RD BDE 4TH ID.
- (2) REFLAG TWO SEPARATE BRGADES AT HOOD AS 1AD AND 3ID BRIGADES.
- (3) KEEP AN RC ENCLAVE (200 AREA SPT, 150 GARRISON, AND 100 CARETAKERS).

MA7-2-2 C:\COB\M\MA7-2-2.CBR

REALIGN FT RICHARDSON:

- (1) MOVE ALL ACTIVITIES TO FT WAINWRIGHT.
- (2) KEEP A RESERVE COMPONENT ENCLAVE AT RICHARDSON.

MA7-2-3 C:\COB\M\MA7-2-3.CBR

REALIGN FT RICHARDSON:

- (1) MOVE ALL ACTIVITIES TO FT WAINWRIGHT.
- (2) KEEP A RESERVE COMPONENT ENCLAVE AT RICHARDSON.

MA7-2-4 C:\COB\M\MA7-2-4.CBR

REALIGN FT RICHARDSON:

- (1) MOVE ALL ACTIVITIES TO FT WAINWRIGHT.
- (2) KEEP A RESERVE COMPONENT ENCLAVE AT RICHARDSON.

MT4-2-1 C:\COB\M\MT4-2-1.CBR

WARM BED FT. GREELY:

- (1) "SAFARI" FROM FT WAINWRIGHT.
- (2) NO RC REQUIREMENTS FOR ENCLAVE.

MA7-2-5 C:\COB\M\MA7-2-5.CBR

REALIGN FT RICHARDSON:

- (1) MOVE ALL ACTIVITIES TO FT WAINWRIGHT.
- (2) KEEP A RESERVE COMPONENT ENCLAVE AT RICHARDSON.

MA7-3 C:\COB\M\MA7-3.CBR  
REALIGN FT RICHARDSON:  
(1) MOVE ALL ACTIVITIES TO FT WAINWRIGHT.  
(2) KEEP A RESERVE COMPONENT ENCLAVE AT RICHARDSON.  
750 MAN REDUCTION - DCSOPS

MT4-3 C:\COB\M\MT4-3.CBR  
WARM BED FT. GREELY AND REALIGN FT RICHARDSON:  
(1) "SAFARI" FROM FT WAINWRIGHT.  
(2) NO RC REQUIREMENTS FOR ENCLAVE AT FT GREELY.  
(3) MOVE UNITS FROM FT RICHARDSON TO FT WAINWRIGHT.  
(4) RC ENCLAVE AT FT RICHARDSON.

MA7-3-1 C:\COB\M\MA7-3-1.CBR  
REALIGN FT RICHARDSON:  
(1) MOVE ALL ACTIVITIES TO FT WAINWRIGHT.  
(2) KEEP A RESERVE COMPONENT ENCLAVE AT RICHARDSON.  
500 MAN REDUCTION - DCSOPS

MA7-4 C:\COB\M\MA7-4.CBR  
REALIGN FT RICHARDSON:  
(1) MOVE ALL ACTIVITIES TO FT WAINWRIGHT.  
(2) KEEP A RESERVE COMPONENT ENCLAVE AT RICHARDSON.  
627 MAN REDUCTION - DCSOPS (10 NOV 94)

MA10-2-1 C:\COB\M\MA10-2-1.CBR  
REALIGN FT WAINWRIGHT:  
(1) MOVE ALL ACTIVITIES TO FT RICHARDSON.  
(2) KEEP A 50 - MAN CARETAKER FORCE AT WAINWRIGHT  
DCSOPS 627-MAN DECREMENT

MA7-4-1 C:\COB\M\MA7-4-1.CBR  
REALIGN FT RICHARDSON:  
(1) MOVE ALL ACTIVITIES TO FT WAINWRIGHT.  
(2) KEEP A RESERVE COMPONENT ENCLAVE AT RICHARDSON.  
627 MAN REDUCTION - DCSOPS (10 NOV 94)

MA10-3 C:\COB\M\MA10-3.CBR  
REALIGN FT WAINWRIGHT:  
(1) MOVE ALL ACTIVITIES TO FT RICHARDSON.  
(2) KEEP A 50 - MAN CARETAKER FORCE AT WAINWRIGHT  
DCSOPS 627-MAN DECREMENT

MA10-2-2 C:\COB\M\MA10-2-2.CBR  
REALIGN FT WAINWRIGHT:  
(1) MOVE ALL ACTIVITIES TO FT RICHARDSON.  
(2) KEEP A 50 - MAN CARETAKER FORCE AT WAINWRIGHT

MA7-2 C:\COB\M\MA7-2.CBR  
REALIGN FT RICHARDSON:  
(1) MOVE ALL ACTIVITIES TO FT WAINWRIGHT.  
(2) KEEP A RESERVE COMPONENT ENCLAVE AT RICHARDSON.

MA7-2-6 C:\COB\M\MA7-2-6.CBR  
REALIGN FT RICHARDSON:  
(1) MOVE ALL ACTIVITIES TO FT WAINWRIGHT.  
(2) KEEP A RESERVE COMPONENT ENCLAVE AT RICHARDSON (100 MAN).

MA7-4-1 C:\COB\M\MA7-4-2.CBR  
REALIGN FT RICHARDSON:  
(1) MOVE ALL ACTIVITIES TO FT WAINWRIGHT.  
(2) KEEP A RESERVE COMPONENT ENCLAVE AT RICHARDSON.  
627 MAN REDUCTION - DCSOPS (10 NOV 94)

MA4-2-4 C:\COB\M\MA4-2-4.CBR  
REALIGN FT DRUM:  
(1) MOVE LIGHT DIVISION AND SUPPORT CAP TO HOOD.  
(2) MOVE ONE BRIGADE FROM HOOD TO CARSON - REFLAG AS 3RD BDE, 4TH ID.  
(3) KEEP RC ENCLAVE.

MA7-5-1 C:\COB\M\MA7-5-1.CBR  
REALIGN FT RICHARDSON:  
(1) MOVE ALL ACTIVITIES TO FT WAINWRIGHT.  
(2) KEEP A RESERVE COMPONENT ENCLAVE AT RICHARDSON (150 MAN).

MA7-5-2 C:\COB\M\MA7-5-2.CBR  
REALIGN FT RICHARDSON:  
(1) MOVE ALL ACTIVITIES TO FT WAINWRIGHT.  
(2) KEEP A RESERVE COMPONENT ENCLAVE AT RICHARDSON (150 MAN).

MA7-5-3 C:\COB\M\MA7-5-3.CBR  
REALIGN FT RICHARDSON:  
(1) MOVE ALL ACTIVITIES TO FT WAINWRIGHT.  
(2) KEEP A RESERVE COMPONENT ENCLAVE AT RICHARDSON (150 MAN).

MA4-3-1 C:\COB\M\MA4-3-1.CBR  
RELIGN FT DRUM:  
(1) INACTIVATE 1ID, ONE BDE, AND SPT CAP.  
(2) MOVE LT DIV TO FT RILEY.  
(3) MOVE EAD UNITS FROM DRUM TO BASE X.  
(4) RETAIN 250-MAN GARRISON AT DRUM FOR MTA.

MA4-6-1 C:\COB\M\MA4-6-1.CBR  
RELIGN FT DRUM:  
(1) INACTIVATE 4ID, ONE BDE, AND SPT CAP.  
(2) MOVE LT DIV TO FT CARSON.  
(3) MOVE EAD UNITS FROM DRUM TO BASE X.  
(4) RETAIN 250-MAN GARRISON AT DRUM FOR MTA.

MA3-1-1 C:\COB\M\MA3-1-1.CBR

REALIGN FT CARSON:

- (1) INACTIVATE DIV BASE AND ONE MANEUVER BRIGADE
- (2) MOVE 3ACR FROM FT BLISS TO FT CARSON
- (3) MOVE 31ST ADA BDE FROM FT HOOD TO FT BLISS
- (4) MOVE 108TH ADA BDE FROM FT POLK TO FT BLISS

MA3-1-2 C:\COB\M\MA3-1-2.CBR

REALIGN FT CARSON:

- (1) INACTIVATE DIV BASE AND ONE MANEUVER BRIGADE
- (2) MOVE 3ACR FROM FT BLISS TO FT CARSON
- (3) MOVE 31ST ADA BDE FROM FT HOOD TO FT BLISS
- (4) MOVE 108TH ADA BDE FROM FT POLK TO FT BLISS

MA4-6-2 C:\COB\M\MA4-6-2.CBR

RELIGN FT DRUM:

- (1) INACTIVATE 4ID, ONE BDE, AND SPT CAP.
- (2) MOVE LT DIV AND EAD UNITS TO FT CARSON.
- (3) RETAIN A 250-MAN GARRISON AT DRUM FOR MTA.

MA10-4 C:\COB\M\MA10-4.CBR

REALIGN FT WAINWRIGHT:

- (1) MOVE ALL ACTIVITIES TO FT RICHARDSON.
- (2) KEEP A 100-MAN CARETAKER FORCE AT WAINWRIGHT.
- (3) RETAIN A 700-MAN GARRISON STAFF AT FT. RICHARDSON.

MT4-2-2 C:\COB\M\MT4-2-2.CBR

WARM BED FT. GREELY:

- (1) "SAFARI" FROM FT WAINWRIGHT.
- (2) NO RC REQUIREMENTS FOR ENCLAVE.
- (3) GARRISON AT GREELY WILL BE INACTIVATED.

MT4-2-3 C:\COB\M\MT4-2-3.CBR

REALIGN FT. GREELY:

- (1) RELOCATE COLD REGIONS TEST ACTIVITY (CRTA) AND NORTHERN WARFARE TRAINING CENTER (NWTC) TO FT WAINWRIGHT.
- (2) "SAFARI" FROM FT WAINWRIGHT AS MISSIONS DICTATE.
- (3) NO RC REQUIREMENTS FOR ENCLAVE.
- (4) GARRISON AT GREELY WILL INACTIVATE, BUT SMALL GARRISON ACTIVITY WILL REMAIN (73-MAN).

MA4-8-2 C:\COB\M\MA4-8-2.CBR

REALIGN FT DRUM:

- (1) MOVE 10TH ID TO POLK AND EAD TO KNOX.
- (2) MOVE POLK EAD TO RILEY, 2ACR TO CARSON, AND ADA BDE TO BLISS.
- (3) MOVE 3ACR TO CARSON
- (4) MOVE ADA BDE FROM HOOD TO BLISS.
- (5) KEEP AN RC ENCLAVE AT DRUM.



MD1-4 C:\COB\M\MD1-4.CBR  
CLOSE FAMC  
FT SAM HOUSTON-MOVE OPTICAL SCHOOL MEOS  
BASE Z (OTHER MED CTRS)-MOVE MILITARY  
ELIMINATE MEDICAL USCS  
BASE X-CHAMPUS, ENV HYGIENE OFC, USA RES SPT GRP, SEL SVC TM RG 6, ET AL

MD1-4A C:\COB\M\MD1-4A.CBR  
CLOSE FAMC (ARMY \$'S ONLY) NO CHAMPUS COSTS, MILCON COSTS OR COST AVOIDANCES  
FT SAM HOUSTON-MOVE OPTICAL SCHOOL MEOS  
BASE Z (OTHER MED CTRS)-MOVE MILITARY  
ELIMINATE MEDICAL USCS  
BASE X-CHAMPUS, ENV HYGIENE OFC, USA RES SPT GRP, SEL SVC TM RG 6, ET AL

MD1-5 C:\COB\M\MD1-5.CBR  
CLOSE FAMC; IMPROVE EVANS, SHIFT MED CTR LOAD, CLOSE GME-SRG, INTMED, PED & RAD  
MOVE TO FT SAM HOUSTON-OPTICAL SCHOOL MEOS & STUDENT LOAD  
MOVE TO BASE Z (OTHER MED CTRS)-MILITARY TO AUGMENT CIV RIG CUT  
ELIMINATE MEDICAL CIVS TO CONTRIBUTE TO 6000 PERSONNEL RIG CUT  
MOVE TO BASE X-CHAMPUS, ENV HYG OFC, USA RES SPT GRP, SEL SVC TM RG 6, ET AL  
LEAVES CARETAKERS  
PAYS CHAMPUS AT \$60.6M

MD1-6 C:\COB\M\MD1-6.CBR  
CLOSE FAMC; IMPROVE EVANS, SHIFT MED CTR LOAD, CLOSE GME-SRG, INTMED, PED & RAD  
MOVE TO FT SAM HOUSTON-OPTICAL SCHOOL MEOS & STUDENT LOAD  
MOVE TO BASE Z (OTHER MED CTRS)-MILITARY TO AUGMENT CIV RIG CUT  
ELIMINATE MEDICAL CIVS TO CONTRIBUTE TO 6000 PERSONNEL RIG CUT  
MOVE TO BASE X/Y-CHAMPUS, ENV HYG OFC, USAR SPT GRP, SEL SVC TM RG 6, ET AL  
LEAVES CARETAKERS  
PAYS CHAMPUS AT \$49.1M  
PHASES OUT FAMC POPULATION

MD1-6A C:\COB\M\MD1-6A.CBR  
CLOSE FAMC; IMPROVE EVANS, SHIFT MED CTR LOAD, CLOSE GME-SRG, INTMED, PED & RAD  
MOVE TO FT SAM HOUSTON-OPTICAL SCHOOL MEOS & STUDENT LOAD  
MOVE TO BASE Z (OTHER MED CTRS)-MILITARY TO AUGMENT CIV RIG CUT  
ELIMINATE MEDICAL CIVS TO CONTRIBUTE TO 6000 PERSONNEL RIG CUT  
MOVE TO BASE X/Y-CHAMPUS, ENV HYG OFC, USAR SPT GRP, SEL SVC TM RG 6, ET AL  
LEAVES CARETAKERS  
PAYS CHAMPUS AT \$49.1M  
PHASES OUT FAMC POPULATION !!!!! ARMY ONLY COSTS !!!!!

MD1-6B C:\COB\M\MD1-6B.CBR  
CLOSE FAMC; IMPROVE EVANS, SHIFT MED CTR LOAD, CLOSE GME-SRG, INTMED, PED & RAD  
MOVE TO FT SAM HOUSTON-OPTICAL SCHOOL MEOS & STUDENT LOAD  
MOVE TO BASE Z (OTHER MED CTRS)-MILITARY TO AUGMENT CIV RIG CUT  
ELIMINATE MEDICAL CIVs TO CONTRIBUTE TO 6000 PERSONNEL RIG CUT  
MOVE TO BASE X/Y-CHAMPUS, ENV HYG OFC, USAR SPT GRP, SEL SVC TM RG 6, ET AL  
ACTIVATE 507 HSP SPT IN FY97 AT LOCATION TBD BY FORSCOM  
PAYS CHAMPUS AT \$49.1M  
PHASES OUT FAMC POPULATION

MD1-6B C:\COB\M\MD1-6K.CBR  
CLOSE FAMC; IMPROVE EVANS, SHIFT MED CTR LOAD, CLOSE GME-SRG, INTMED, PED & RAD  
MOVE TO FT SAM HOUSTON-OPTICAL SCHOOL MEOS & STUDENT LOAD  
MOVE TO BASE Z (OTHER MED CTRS)-MILITARY TO AUGMENT CIV RIG CUT  
ELIMINATE MEDICAL CIVs TO CONTRIBUTE TO 6000 PERSONNEL RIG CUT  
MOVE TO BASE X/Y-CHAMPUS, ENV HYG OFC, USAR SPT GRP, SEL SVC TM RG 6, ET AL  
ACTIVATE 507 HSP SPT IN FY97 AT LOCATION TBD BY FORSCOM  
PAYS CHAMPUS AT \$49.1M  
PHASES OUT FAMC MISSION POPULATION

MD1-6KA C:\COB\M\MD1-6KA.CBR  
CLOSE FAMC; IMPROVE EVANS, SHIFT MED CTR LOAD, CLOSE GME-SRG, INTMED, PED & RAD  
MOVE TO FT SAM HOUSTON-OPTICAL SCHOOL MEOS & STUDENT LOAD  
MOVE TO BASE Z (OTHER MED CTRS)-MILITARY TO AUGMENT CIV RIG CUT  
ELIMINATE MEDICAL CIVs TO CONTRIBUTE TO 6000 PERSONNEL RIG CUT  
MOVE TO BASE X/Y-CHAMPUS, ENV HYG OFC, USAR SPT GRP, SEL SVC TM RG 6, ET AL  
ACTIVATE 507 HSP SPT IN FY97 AT LOCATION TBD BY FORSCOM  
DOES NOT PAY CHAMPUS AT \$49.1M; DOES NOT PAY FOR MILCON EXCEPT SHAFTER HSG  
PHASES OUT FAMC MISSION POPULATION

MD1-7K C:\COB\M\MD1-7K1.CBR  
CLOSE FAMC; IMPROVE EVANS, SHIFT MED CTR LOAD, CLOSE GME-SRG, INTMED, PED & RAD  
MOVE TO FT SAM HOUSTON-OPTICAL SCHOOL MEOS & STUDENT LOAD  
MOVE TO OTHER MED CTRS-MEDICAL MILITARY TO AUGMENT CIV RIG CUT  
ELIMINATE MEDICAL CIVs TO CONTRIBUTE TO 6000 PERSONNEL RIG CUT  
MOVE TO BASE X/Y-CHAMPUS, ENV HYG OFC, USAR SPT GRP, SEL SVC TM RG 6, ET AL  
ACTIVATE 507 HSP SPT IN FY97 AT LOCATION TBD BY FORSCOM  
PAYS CHAMPUS AT \$49.1M/YR  
PHASES OUT FAMC MISSION POPULATION

MD1-7K1A C:\COB\M\MD1-7K1A.CBR  
CLOSE FAMC; IMPROVE EVANS, SHIFT MED CTR LOAD, CLOSE GME-SRG, INTMED, PED & RAD  
MOVE TO FT SAM HOUSTON-OPTICAL SCHOOL MEOS & STUDENT LOAD  
MOVE TO OTHER MED CTRS-MEDICAL MILITARY TO AUGMENT CIV RIG CUT  
ELIMINATE MEDICAL CIVs TO CONTRIBUTE TO 6000 PERSONNEL RIG CUT  
MOVE TO BASE X/Y-CHAMPUS, ENV HYG OFC, USAR SPT GRP, SEL SVC TM RG 6, ET AL  
ACTIVATE 507 HSP SPT IN FY97 AT LOCATION TBD BY FORSCOM  
PHASES OUT FAMC MISSION POPULATION

MD1-7K C:\COB\M\MD1-7K.CBR  
CLOSE FAMC; IMPROVE EVANS, SHIFT MED CTR LOAD, CLOSE GME-SRG, INTMED, PED & RAD  
MOVE TO FT SAM HOUSTON-OPTICAL SCHOOL MEOS & STUDENT LOAD  
MOVE TO OTHER MED CTRS-MEDICAL MILITARY TO AUGMENT CIV RIG CUT  
ELIMINATE MEDICAL CIVS TO CONTRIBUTE TO 6000 PERSONNEL RIG CUT  
MOVE TO BASE X/Y-CHAMPUS, ENV HYG OFC, USAR SPT GRP, SEL SVC TM RG 6, ET AL  
ACTIVATE 507 HSP SPT IN FY97 AT LOCATION TBD BY FORSCOM  
PAYS CHAMPUS AT \$49.1M/YR  
PHASES OUT FAMC MISSION POPULATION

MD1-7KA C:\COB\M\MD1-7KA.CBR  
CLOSE FAMC; IMPROVE EVANS, SHIFT MED CTR LOAD, CLOSE GME-SRG, INTMED, PED & RAD  
MOVE TO FT SAM HOUSTON-OPTICAL SCHOOL MEOS & STUDENT LOAD  
MOVE TO OTHER MED CTRS-MEDICAL MILITARY TO AUGMENT CIV RIG CUT  
ELIMINATE MEDICAL CIVS TO CONTRIBUTE TO 6000 PERSONNEL RIG CUT  
MOVE TO BASE X/Y-CHAMPUS, ENV HYG OFC, USAR SPT GRP, SEL SVC TM RG 6, ET AL  
ACTIVATE 507 HSP SPT IN FY97 AT LOCATION TBD BY FORSCOM  
PHASES OUT FAMC MISSION POPULATION ARMY ONLY COSTS!!!

MD1-7K2 C:\COB\M\MD1-7K2.CBR  
CLOSE FAMC; IMPROVE EVANS, SHIFT MED CTR LOAD, CLOSE GME-SRG, INTMED, PED & RAD  
MOVE TO FT SAM HOUSTON-OPTICAL SCHOOL MEOS & STUDENT LOAD  
MOVE TO OTHER MED CTRS-MEDICAL MILITARY TO AUGMENT CIV RIG CUT  
ELIMINATE MEDICAL CIVS TO CONTRIBUTE TO 6000 PERSONNEL RIG CUT  
MOVE TO BASE X/Y-CHAMPUS, ENV HYG OFC, USAR SPT GRP, SEL SVC TM RG 6, ET AL  
ACTIVATE 507 HSP SPT IN FY97 AT LOCATION TBD BY FORSCOM  
PAYS CHAMPUS AT \$49.1M/YR  
PHASES OUT FAMC MISSION POPULATION

MD1-7K2A C:\COB\M\MD1-7K2A.CBR  
CLOSE FAMC; IMPROVE EVANS, SHIFT MED CTR LOAD, CLOSE GME-SRG, INTMED, PED & RAD  
MOVE TO FT SAM HOUSTON-OPTICAL SCHOOL MEOS & STUDENT LOAD  
MOVE TO OTHER MED CTRS-MEDICAL MILITARY TO AUGMENT CIV RIG CUT  
ELIMINATE MEDICAL CIVS TO CONTRIBUTE TO 6000 PERSONNEL RIG CUT  
MOVE TO BASE X/Y-CHAMPUS, ENV HYG OFC, USAR SPT GRP, SEL SVC TM RG 6, ET AL  
ACTIVATE 507 HSP SPT IN FY97 AT LOCATION TBD BY FORSCOM  
ARMY ONLY COSTS!!!!  
PHASES OUT FAMC MISSION POPULATION

MD1-7K3 C:\COB\M\MD1-7K3.CBR  
CLOSE FAMC; IMPROVE EVANS, SHIFT MED CTR LOAD, CLOSE GME  
MOVE TO FT SAM HOUSTON-MED EQPT & OPTICAL SCHOOL & STUDENT LOAD  
MOVE TO OTHER MED CTRS-MEDICAL MILITARY TO AUGMENT CIV RIG CUT  
ELIMINATE MEDICAL CIVS TO CONTRIBUTE TO 6000 PERSONNEL RIG CUT  
MOVE TO BASE X/Y-CHAMPUS, ENV HYG OFC, SEL SVC TM RG 6, ET AL  
ACTIVATE 507 HSP SPT IN FY97 AT LOCATION TBD BY FORSCOM  
PAYS CHAMPUS AT \$49.1M/YR  
PHASES OUT FAMC MISSION POPULATION

MD1-7K3A C:\COB\M\MD1-7K3A.CBR  
CLOSE FAMC; IMPROVE EVANS, SHIFT MED CTR LOAD, CLOSE GME  
MOVE TO FT SAM HOUSTON-MED EQPT & OPTICAL SCHOOL & STUDENT LOAD  
MOVE TO OTHER MED CTRS-MEDICAL MILITARY TO AUGMENT CIV RIG CUT  
ELIMINATE MEDICAL CIVs TO CONTRIBUTE TO 6000 PERSONNEL RIG CUT  
MOVE TO BASE X/Y-CHAMPUS, ENV HYG OFC, SEL SVC TM RG 6, ET AL  
ACTIVATE 507 HSP SPT IN FY97 AT LOCATION TBD BY FORSCOM  
PAYS ONLY ARMY COSTS; DOES NOT APPLY ASD(HA) MILCON COST AVOIDANCE  
PHASES OUT FAMC MISSION POPULATION

MD1-8 C:\COB\M\MD1-8.CBR  
CLOSE FAMC; IMPROVE EVANS, SHIFT MED CTR LOAD, CLOSE GME  
MOVE TO FT SAM HOUSTON-MED EQPT & OPTICAL SCHOOL & STUDENT LOAD  
MOVE TO OTHER MED CTRS-MEDICAL MILITARY TO AUGMENT CIV RIG CUT  
ELIMINATE MEDICAL CIVs TO CONTRIBUTE TO 6000 PERSONNEL RIG CUT  
MOVE TO BASE X/Y-CHAMPUS, ENV HYG OFC, SEL SVC TM RG 6, ET AL  
ACTIVATE 507 HSP SPT IN FY97 AT LOCATION TBD BY FORSCOM  
PAYS CHAMPUS AT \$49.1M/YR -- LOSES COST AVOIDANCE FOR CONSTRUCT TO REPLACE  
PHASES OUT FAMC MISSION POPULATION

MD1-8L C:\COB\M\MD1-8L.CBR  
CLOSE FAMC; IMPROVE EVANS, SHIFT MED CTR LOAD, CLOSE GME  
MOVE TO FT SAM HOUSTON-MED EQPT & OPTICAL SCHOOL & STUDENT LOAD  
MOVE TO OTHER MED CTRS-MEDICAL MILITARY TO AUGMENT CIV RIG CUT  
ELIMINATE MEDICAL CIVs TO CONTRIBUTE TO 6000 PERSONNEL RIG CUT  
MOVE TO BASE X/Y-CHAMPUS, ENV HYG OFC, SEL SVC TM RG 6, ET AL  
ACTIVATE 507 HSP SPT IN FY97 AT LOCATION TBD BY FORSCOM  
PAYS CHAMPUS AT \$49.1M/YR -- LOSES COST AVOIDANCE FOR CONSTRUCT TO REPLACE  
PHASES OUT FAMC MISSION POPULATION

MD1-8LA C:\COB\M\MD1-8LA.CBR  
CLOSE FAMC; IMPROVE EVANS, SHIFT MED CTR LOAD, CLOSE GME  
MOVE TO FT SAM HOUSTON-MED EQPT & OPTICAL SCHOOL & STUDENT LOAD  
MOVE TO OTHER MED CTRS-MEDICAL MILITARY TO AUGMENT CIV RIG CUT  
ELIMINATE MEDICAL CIVs TO CONTRIBUTE TO 6000 PERSONNEL RIG CUT  
MOVE TO BASE X/Y-CHAMPUS, ENV HYG OFC, SEL SVC TM RG 6, ET AL  
ACTIVATE 507 HSP SPT IN FY97 AT LOCATION TBD BY FORSCOM  
ARMY ONLY COSTS  
PHASES OUT FAMC MISSION POPULATION

MD1-8QA C:\COB\M\MD1-8QA.CBR  
CLOSE FAMC, EXCEPT FOR McWHETHY ARMY RESERVE CENTER  
RELOCATE MEDICAL EQPT & OPTICAL SCHOOL & OPTICAL FAB LAB TO FT SAM HOUSTON, TX  
RELOCATE OCHAMPUS TO DENVER, CO LEASED SPACE

MD1-8N C:\COB\M\MD1-8N.CBR  
CLOSE FAMC; IMPROVE EVANS, SHIFT MED CTR LOAD, CLOSE GME  
MOVE TO FT SAM HOUSTON-MED EQPT & OPTICAL SCHOOL & STUDENT LOAD  
MOVE TO OTHER MED CTRS-MEDICAL MILITARY TO AUGMENT CIV RIG CUT  
ELIMINATE MEDICAL CIVS TO CONTRIBUTE TO 6000 PERSONNEL RIG CUT  
MOVE TO BASE X/Y-CHAMPUS, ENV HYG OFC, SEL SVC TM RG 6, ET AL  
ACTIVATE 507 HSP SPT IN FY97 AT LOCATION TBD BY FORSCOM  
PAYS CHAMPUS AT \$49.1M/YR -- LOSES COST AVOIDANCE FOR CONSTRUCT TO REPLACE  
PHASES OUT FAMC MISSION POPULATION

MD1-8P C:\COB\M\MD1-8P.CBR  
CLOSE FAMC; IMPROVE EVANS, SHIFT MED CTR LOAD, CLOSE GME  
MOVE TO FT SAM HOUSTON-MED EQPT & OPTICAL SCHOOL & STUDENT LOAD  
MOVE TO OTHER MED CTRS-MEDICAL MILITARY TO AUGMENT CIV RIG CUT  
ELIMINATE MEDICAL CIVS TO CONTRIBUTE TO 6000 PERSONNEL RIG CUT  
MOVE TO BASE X/Y-CHAMPUS, ENV HYG OFC, SEL SVC TM RG 6, ET AL  
ACTIVATE 507 HSP SPT IN FY97 AT LOCATION TBD BY FORSCOM  
PAYS CHAMPUS AT \$49.1M/YR -- LOSES COST AVOIDANCE FOR CONSTRUCT TO REPLACE  
PHASES OUT FAMC MISSION POPULATION

MD1-8PA C:\COB\M\MD1-8PA.CBR  
CLOSE FAMC; IMPROVE EVANS, SHIFT MED CTR LOAD, CLOSE GME  
MOVE TO FT SAM HOUSTON-MED EQPT & OPTICAL SCHOOL & STUDENT LOAD  
MOVE TO OTHER MED CTRS-MEDICAL MILITARY TO AUGMENT CIV RIG CUT  
ELIMINATE MEDICAL CIVS TO CONTRIBUTE TO 6000 PERSONNEL RIG CUT  
MOVE TO BASE X/Y-CHAMPUS, ENV HYG OFC, SEL SVC TM RG 6, ET AL  
ACTIVATE 507 HSP SPT IN FY97 AT LOCATION TBD BY FORSCOM  
ARMY ONLY COSTS/SAVINGS!!  
PHASES OUT FAMC MISSION POPULATION

MD1-8Q C:\COB\M\MD1-8Q.CBR  
CLOSE FAMC, EXCEPT FOR McWHETHY ARMY RESERVE CENTER  
RELOCATE MEDICAL EQPT & OPTICAL SCHOOL & OPTICAL FAB LAB TO FT SAM HOUSTON, TX  
RELOCATE OCHAMPUS TO DENVER, CO LEASED SPACE

MD1-8R C:\COB\M\MD1-8R.CBR  
CLOSE FAMC, EXCEPT FOR McWHETHY ARMY RESERVE CENTER  
RELOCATE MEDICAL EQPT & OPTICAL SCHOOL & OPTICAL FAB LAB TO FT SAM HOUSTON, TX  
RELOCATE OCHAMPUS TO DENVER, CO LEASED SPACE

MD1-8RA C:\COB\M\MD1-8RA.CBR  
CLOSE FAMC, EXCEPT FOR McWHETHY ARMY RESERVE CENTER  
RELOCATE MEDICAL EQPT & OPTICAL SCHOOL & OPTICAL FAB LAB TO FT SAM HOUSTON, TX  
RELOCATE OCHAMPUS TO DENVER, CO LEASED SPACE

MT9-2 C:\COB\M\MT9-2.CBR  
CLOSE FT. PICKETT, VA.  
MOVE ALL ORGANIZATIONS TO BASE X EXCEPT RC.  
RIF CIVILIANS IN GARRISON.  
ENCLAVE RC BLDG AND UNITS.  
MOVE FORSCOM PETRO TNG FACILITY TO FT. DIX.  
MOVE AR ECS TO BASE X.  
LICENSE MINIMUM ESSENTIAL FACILITIES AND TRAINING AREAS TO NATIONAL GUARD.

MI1-3 C:\COB\M\MI1-3.CBR  
CLOSE EAST FORT BAKER (EFB), CA.  
ELIMINATE THE EFB GARRISON.  
RELOCATE THE 6TH RECRUITING BDE TO BASE X, USA.  
RELOCATE THE 91ST TNG DIV TO THE SF BAY AREA (BASE Y).

MT5-2 C:\COB\M\MT5-2.CBR  
CLOSE FT. HUNTER LIGGETT, CA.  
MOVE ALL ARMY AND TENANT ORGANIZATIONS TO BASE X AND FT. BLISS.  
RIF CIVILIANS THAT SUPPORT GARRISON.  
MAINTAIN ALL RANGES AND TRAINING LAND FOR RC TRAINING.  
THERE IS NO NG OR AR UNITS ON FT HUNTER LIGGETT, CA.  
REMOVED W12K!A FROM TOTAL GARRISON NUMBERS PER FORSCOM RECOMMENDATION.  
DOES NOT INCLUDE SPECIAL MOVING COST OF TEXCOM EQUIPMENT.

MI13-1 C:\COB\M\MI13-1.CBR  
CLOSE SUDBURY TRAINING ANNEX AND RELOCATE TENANT UNITS.  
FEMA TO BASE Y.  
AIR FORCE GEO PHYSICS MOVES TO BASE X.

MT2-1 C:\COB\M\MT2-1.CBR  
CLOSE FT. CHAFFEE, AR.  
MOVE ALL ARMY AND TENANT ORGANIZATIONS TO BASE X.  
RIF CIVILIANS IN GARRISON.  
ENCLAVE RC FACILITIES, RANGES AND ORGANIZATIONS.

MT3-2 C:\COB\M\MT3-2.CBR  
CLOSE FT. DIX, N.J.  
MOVE ALL ARMY ORGANIZATIONS TO BASE X.  
RIF CIVILIANS IN GARRISON NOT REQUIRED TO REMAIN TO SUPPORT ARMY RESERVE  
GARRISON.  
ENCLAVE ALL TENANT ORGANIZATIONS.  
ENCLAVE RC BLDG, LAND, RANGES AND ORGANIZATIONS.

MI18-1 C:\COB\M\MI18-1.CBR  
RELOCATE BALTIMORE PUBS TO ST LOUIS  
ISC DATA - ELIMINATE 89 AND RELOCATE 40 CIVILIANS.  
STOCK & EQUIP MOVE COSTS \$708K  
LEASE COST @ ST. LOUIS \$2.68M  
CONSTRUCTION REQUIRED: \$2M ISC FUNCTION; \$1.6M CAROUSEL STORAGE SYSTEM  
(DATA FROM MR. JERRY KING, ISC, 25 OCT 94)

MT8-1 C:\COB\M\MT8-1.CBR  
CLOSE FT. MCCOY, WI.  
MOVE UIC ORGANIZATIONS TO BASE X.  
RIF CIVILIANS AND GARRISON.  
RC BUILDING REQUIREMENTS INCLUDED.  
CLEAN KILL.

MT6-2 C:\COB\M\MT6-2.CBR  
CLOSE FT. INDIANTOWN GAP, PA.  
MOVE ALL ORGANIZATIONS TO BASE X EXCEPT RC.  
RIF CIVILIANS IN GARRISON.  
ENCLAVE RC BLDG AND ORGANIZATIONS.

MT1-1 C:\COB\M\MT1-1.CBR  
CLOSE FT. A.P.HILL, VA.  
MOVE ALL ORGANIZATIONS TO BASE X EXCEPT RC.  
RIF CIVILIANS IN GARRISON.  
ENCLAVE RC FACILITIES AND ORGANIZATIONS.

MI3-1 C:\COB\M\MI3-1.CBR  
CLOSE BELLMORE LOGISTICS ACTIVITY.  
SCENARIO BASED ON FORSCOM MEMO.  
NO TENANTS, NO GARRISON FUNCTIONS CURRENTLY BEING PERFORMED.

MI4-1 C:\COB\M\MI4-1.CBR  
CLOSE SIEVERS-SANDBERG (CAMP PEDRICKTOWN, NJ)  
EXCEPT, APPROXIMATELY 22 ACRES AND NECESSARY FACILITIES FOR RESERVE UNITS.

MI6-1 C:\COB\M\MI6-1.CBR  
CLOSE FORT MISSOULA, EXCEPT  
APPROXIMATELY 10 ACRES AND NECESSARY FACILITIES FOR RESERVE UNITS.

MI5-1 C:\COB\M\MI5-1.CBR  
CLOSE CAMP KILMER, EXCEPT  
APPROXIMATELY 19 ACRES AND NECESSARY FACILITIES FOR RESERVE UNITS.

MI2-1 C:\COB\M\MI2-1.CBR  
CLOSE RIO VISTA USARC.

MI8-1 C:\COB\M\MI8-1.CBR  
CLOSE CAMP BONNEVILLE.

MI7-1 C:\COB\M\MI7-1.CBR  
CLOSE BIG COPPETT KEY.

MI14-1 C:\COB\M\MI14-1.CBR  
CLOSE HINGHAM COHASSET.

MI16-1 C:\COB\M\MI16-1.CBR  
CLOSE BRANCH USDB, LOMPOC

MI15-1 C:\COB\M\MI15-1.CBR  
CLOSE REC CENTER #2.

MT6-1 C:\COB\M\MT6-1.CBR  
CLOSE FT. INDIANTOWN GAP, PA.  
MOVE ALL ARMY AND TENANT ORGANIZATIONS TO BASE X.  
RIF CIVILIANS THAT SUPPORT ARMY.  
RC BUILDING REQUIREMENTS INCLUDED.  
CLEAN KILL

MT9-1 C:\COB\M\MT9-1.CBR  
CLOSE FT. PICKETT, VA.  
MOVE ALL ARMY AND TENANT ORGANIZATIONS TO BASE X.  
RIF CIVILIANS THAT SUPPORT ARMY.  
RC BUILDING REQUIREMENTS INCLUDED.  
CLEAN KILL.

MT3-1 C:\COB\M\MT3-1.CBR  
CLOSE FT. DIX, NJ.  
MOVE ALL ARMY AND TENANT ORGANIZATIONS TO BASE X.  
RIF CIVILIANS THAT SUPPORT ARMY.  
RC BUILDING REQUIREMENTS INCLUDED.  
" BUILDING REQUIREMENTS FOR TENANT ORGANIZATIONS UNKNOWN".  
CLEAN KILL

MT2-2 C:\COB\M\MT2-2.CBR  
CLOSE FT. CHAFFEE.  
MOVE ALL ARMY AND TENANT ORGANIZATIONS TO BASE X.  
RIF CIVILIANS THAT SUPPORT GARRISON.  
RC BUILDING REQUIREMENTS INCLUDED.  
CLEAN KILL

MT2-SILL C:\COB\M\MT2-SILL.CBR  
CLOSE FT. CHAFFEE.  
MOVE ALL ARMY AND TENANT ORGANIZATIONS TO BASE X.  
MOVE ALL ARMY RESERVE UNITS TO FT. SILL.  
RIF CIVILIANS THAT SUPPORT GARRISON.  
NG BUILDING REQUIREMENTS INCLUDED.  
CLEAN KILL

MT1-2 C:\COB\M\MT1-2.CBR  
CLOSE FT A.P. HILL, VA.  
MOVE UIC ORGANIZATIONS TO BASE X.  
RIF GARRISON CIVILIANS AND HQ COMMAND.  
RC BUILDING REQUIREMENTS INCLUDED.  
CLEAN KILL



MT8-2

C:\COB\M\MT8-2.CBR

CLOSE FT. MCCOY, WI.

MOVE ALL ORGANIZATIONS TO BASE X EXCEPT RC.

RIF CIVILIANS IN GARRISON.

ENCLAVE RC FACILITIES, TRAINING LAND, RANGES AND ORGANIZATIONS.

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950410-21

FROM: BROWN, ED	TO: JONES, MICHAEL
TITLE: ARMY TEAM LEADER	TITLE: DIRECTOR
ORGANIZATION: DBCRC	ORGANIZATION: ARMY BASING STUDY
INSTALLATION (s) DISCUSSED:	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DEXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL	✓			COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
				COMMISSIONER ROBLES			
DIR./CONGRESSIONAL LIAISON				COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER	✓		
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR./INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature		Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

INFORMING THAT REP. JAMES HANSEN <sup>HAS</sup> WRITTEN DBCRC REGARDING AMENDED COBRA RUN FOR DUGWAY PROUING GROUNDS. REQUESTING THAT AMENDED COBRA RUN BE PERFORMED

Due Date:	Routing Date: 950410	Date Originated: 950410	Mail Date: 950410
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**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425

ARLINGTON, VA 22209

703-696-0504

ALAN J. DIXON, CHAIRMAN

**COMMISSIONERS:**

AL CORNELLA

REBECCA COX

GEN J. B. DAVIS, USAF (RET)

S. LEE KLING

RADM BENJAMIN F. MONTOYA, USN (RET)

MG JOSUE ROBLES, JR., USA (RET)

WENDI LOUISE STEELE

April 10, 1995

Colonel Michael G. Jones  
Director, The Army Basing Study  
200 Army Pentagon  
Washington, D.C. 20310-0200

Please refer to this number  
when responding 950410-21

Dear Colonel Jones:

Representative James Hansen (UT) has written Chairman Dixon regarding the amended COBRA run for Dugway Proving Grounds. Even though confusion exists over the number of personnel who will be realigned from Dugway, we believe an amended COBRA run should be accomplished and submitted to the Army Team. Hence, we would like to get this COBRA run submitted to the Commission in electronic format. Please put the COBRA run on a 3 1/2" diskette.

I appreciate your assistance and cooperation. Please respond by 21 April, 1995.

Sincerely,

*Clarence R. Brown, Army Team*  
for Edward A. Brown III  
Army Team Leader

EB/bb

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950410-22

FROM: LYLES, DAVID	TO: BAYER, BOB
TITLE: STAFF DIRECTOR	TITLE: DEP ASST SEC DEF
ORGANIZATION: DBCRC	ORGANIZATION: DEPT OF DEF
INSTALLATION (S) DISCUSSED: FORT PICKETT	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX	✓		
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL	✓			COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
				COMMISSIONER ROBLES			
DIR/CONGRESSIONAL LIAISON	✓			COMMISSIONER STEELE			
DIR COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER	✓		
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR INFORMATION SERVICES				BRITTA BRA	✓		

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature	Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature	Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓ FYI

Subject/Remarks:

REQUESTING HE COORDINATE A CLASSIFIED BRIEFING REGARDING SPECIAL OPERATIONS AT FORT PICKETT FOR DBCRC STAFF.

Doc Date:	Routing Date: 950410	Date Originated: 950408	Mail Date: 950410
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THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION  
1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

ALAN J. DIXON, CHAIRMAN

April 8, 1995

COMMISSIONERS:  
AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

Mr. Robert E. Bayer  
Deputy Assistant Secretary of Defense (Installations)  
3300 Defense Pentagon, Room 3E813  
Washington, DC 20301-3000

Dear Mr. Bayer:

Please refer to this number  
when responding 950410-22

During the March 28, 1995 Commission base visit to Fort Pickett, Virginia, some military officials and members of the local support group raised issues regarding U.S. Navy SEAL and other special operations forces training being conducted at Fort Pickett. No specific details were discussed due to the open forum of the visit, but the inference was that this training added to the military value of Fort Pickett and was not considered by the Army.

As you are aware, the primary purpose of our Commission base visits is to give Commissioners an opportunity to assess firsthand a base's military value. Commissioner Cox has requested a classified briefing on the subject to enable a fair assessment of what type and frequency of classified training or operations take place at Fort Pickett.

I request that you coordinate with the appropriate officials for a classified briefing to be presented to the Commission and staff. We particularly need to know the type of training (whether Joint or Service-specific), numbers of personnel participating, and the frequency and scope of such activities. We also need to know if this training must relocate and to what location(s), if the "Close-except enclave" recommendation is approved by the Commission. Your office can coordinate the date, time, and location of the briefing by contacting Britta Brackney at (703) 696-0504.

I thank you in advance for your assistance to the Commission.

Sincerely,

David S. Lyles  
Staff Director

DSL:slb



DEPARTMENT OF THE ARMY  
OFFICE OF THE CHIEF OF STAFF  
200 ARMY PENTAGON  
WASHINGTON DC 20310-0200



REPLY TO  
ATTENTION OF

13 APR 1995

Honorable Alan J. Dixon  
Chairman  
Defense Base Closure and  
Realignment Commission  
1700 N. Moore Street, Suite 1425  
Arlington, Virginia 22209

RECEIVED BY THE CHIEF OF STAFF  
WHICH RESPONDING 9504110-21R1

Dear Chairman Dixon:

I would like to add my views to those raised in Representative Hansen's letter dated March 24, 1995, concerning Dugway Proving Ground.

It seems that considerable confusion exists over the actual intent of the Army's recommendation. Regrettably, misunderstandings over the number of personnel relocating from Dugway have contributed to this confusion. The actual number moving depends on the amount and extent of testing that can only be conducted at Dugway, the ability or desire to pursue permits in Maryland and Arizona, and use of special purpose facilities at Dugway. The Army always planned to continue testing at Dugway Proving Ground because of its unique capabilities. The terrain, weather, and test facilities would be difficult and costly to replicate anywhere else in the United States.

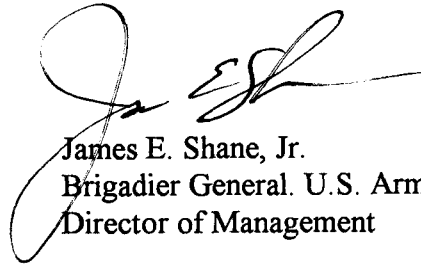
We believe the Army's recommendation is a sound decision. The disposal of English Village is necessary to reduce infrastructure and base operating costs. The realignment of the smoke/obscurant mission to Yuma Proving Ground, Arizona, and some chemical/biological research to Aberdeen Proving Ground, Maryland, will consolidate command and control elements of these two programs. Testing will still be performed at Dugway Proving Ground.

Preliminary implementation analysis shows that fewer test personnel would move because of testing restrictions. The planning figure used consisted of only 8 Government civilians from the mission area. Of the remaining 76 realignments, 18 military and 58 Government civilians are related to Defense organizations. As a result, the one-time costs for the recommendation are less and the savings are greater (a revised COBRA analysis is enclosed). It is important to note that these changes do not affect the overall intent of the Army's recommendation.



This recommendation is important to the Army and allows us to continue important missions at Dugway with less infrastructure and lower costs. Please let me know if you need further assistance.

Sincerely,

A handwritten signature in black ink, appearing to read 'J. E. Shane, Jr.', written in a cursive style.

James E. Shane, Jr.  
Brigadier General, U.S. Army  
Director of Management

Enclosure

COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 1/2  
 Data As Of 16:19 09/08/1994, Report Created 09:06 03/31/1995

Department : ARMY  
 Option Package : PG2-2X7  
 Scenario File : C:\COBRA\PG2-2X7.CBR  
 Std Fctrs File : C:\COBRA\SF7DEC.SFF

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

NPV in 2015(\$K): -312,049  
 1-Time Cost(\$K): 9,450

Net Costs (\$K)	Constant Dollars						Total	Beyond
	1996	1997	1998	1999	2000	2001		
MilCon	0	0	0	0	0	0	0	0
Person	0	0	-6,826	-15,052	-15,052	-15,052	-51,984	-15,052
Overhd	1,550	1,162	-5,391	-9,472	-9,472	-9,472	-31,095	-9,472
Moving	0	0	4,608	0	0	0	4,608	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	320	0	0	0	320	0
<b>TOTAL</b>	<b>1,550</b>	<b>1,162</b>	<b>-7,290</b>	<b>-24,524</b>	<b>-24,524</b>	<b>-24,524</b>	<b>-78,151</b>	<b>-24,524</b>

	1996	1997	1998	1999	2000	2001	Total
<b>POSITIONS ELIMINATED</b>							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Civ	0	0	329	0	0	0	329
<b>TOT</b>	<b>0</b>	<b>0</b>	<b>329</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>329</b>
<b>POSITIONS REALIGNED</b>							
Off	0	0	3	0	0	0	3
Enl	0	0	15	0	0	0	15
Stu	0	0	0	0	0	0	0
Civ	0	0	64	0	0	0	64
<b>TOT</b>	<b>0</b>	<b>0</b>	<b>82</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>82</b>

Summary:

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 REALIGN DUGWAY PG. CLOSE ENGLISH VILLAGE.



COBRA REALIGNMENT SUMMARY (COBRA v5.08) - Page 2/2  
 Data As Of 16:19 09/08/1994, Report Created 09:06 03/31/1995

Department : ARMY  
 Option Package : PG2-2X7  
 Scenario File : C:\COBRA\PG2-2X7.CBR  
 Std Fctrs File : C:\COBRA\SF7DEC.SFF

Costs (\$K)	Constant Dollars		1998	1999	2000	2001	Total	Beyond
	1996	1997						
MilCon	0	0	0	0	0	0	0	0
Person	0	0	740	81	81	81	983	81
Overhd	1,550	1,162	1,311	189	189	189	4,591	189
Moving	0	0	4,637	0	0	0	4,637	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	320	0	0	0	320	0
<b>TOTAL</b>	<b>1,550</b>	<b>1,162</b>	<b>7,008</b>	<b>270</b>	<b>270</b>	<b>270</b>	<b>10,531</b>	<b>270</b>

Savings (\$K)	Constant Dollars		1998	1999	2000	2001	Total	Beyond
	1996	1997						
MilCon	0	0	0	0	0	0	0	0
Person	0	0	7,567	15,133	15,133	15,133	52,967	15,133
Overhd	0	0	6,702	9,661	9,661	9,661	35,686	9,661
Moving	0	0	29	0	0	0	29	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>14,298</b>	<b>24,795</b>	<b>24,795</b>	<b>24,795</b>	<b>88,682</b>	<b>24,795</b>

PERSONNEL SUMMARY REPORT (COBRA v5.08)  
 Data As Of 16:19 09/08/1994, Report Created 09:06 03/31/1995

Department : ARMY  
 Option Package : PG2-2X7  
 Scenario File : C:\COBRA\PG2-2X7.CBR  
 Std Fctrs File : C:\COBRA\SF7DEC.SFF

PERSONNEL SUMMARY FOR: DUGWAY PG, UT

BASE POPULATION (FY 1996):

Officers	Enlisted	Students	Civilians
28	169	0	687

FORCE STRUCTURE CHANGES:

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	-6	-44	0	0	0	-50
TOTAL	0	-6	-44	0	0	0	-50

BASE POPULATION (Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
28	169	0	637

PERSONNEL REALIGNMENTS:

To Base: ABERDEEN PG, MD

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	0	2	0	0	0	2
TOTAL	0	0	2	0	0	0	2

To Base: YUMA PG, AZ

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	0	6	0	0	0	6
TOTAL	0	0	6	0	0	0	6

To Base: BASE X, US

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	3	0	0	0	3
Enlisted	0	0	15	0	0	0	15
Students	0	0	0	0	0	0	0
Civilians	0	0	56	0	0	0	56
TOTAL	0	0	74	0	0	0	74

TOTAL PERSONNEL REALIGNMENTS (Out of DUGWAY PG, UT):

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	3	0	0	0	3
Enlisted	0	0	15	0	0	0	15
Students	0	0	0	0	0	0	0
Civilians	0	0	64	0	0	0	64
TOTAL	0	0	82	0	0	0	82

SCENARIO POSITION CHANGES:

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Civilians	0	0	-329	0	0	0	-329
TOTAL	0	0	-329	0	0	0	-329

Department : ARMY  
 Option Package : PG2-2X7  
 Scenario File : C:\COBRA\PG2-2X7.CBR  
 Std Fctrs File : C:\COBRA\SF7DEC.SFF

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
25	154	0	244

PERSONNEL SUMMARY FOR: ABERDEEN PG, MD

BASE POPULATION (FY 1996):

Officers	Enlisted	Students	Civilians
446	1,863	2,996	6,771

FORCE STRUCTURE CHANGES:

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	-2	0	0	0	-2
Enlisted	0	0	0	0	0	0	0
Students	0	96	-47	0	0	0	49
Civilians	0	-53	-186	0	0	0	-239
TOTAL	0	43	-235	0	0	0	-192

BASE POPULATION (Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
444	1,863	3,045	6,532

PERSONNEL REALIGNMENTS:

From Base: DUGWAY PG, UT

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	0	2	0	0	0	2
TOTAL	0	0	2	0	0	0	2

TOTAL PERSONNEL REALIGNMENTS (Into ABERDEEN PG, MD):

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	0	2	0	0	0	2
TOTAL	0	0	2	0	0	0	2

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
444	1,863	3,045	6,534

PERSONNEL SUMMARY FOR: YUMA PG, AZ

BASE POPULATION (FY 1996):

Officers	Enlisted	Students	Civilians
34	234	0	1,518

FORCE STRUCTURE CHANGES:

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	-12	-28	-19	0	0	-59
TOTAL	0	-12	-28	-19	0	0	-59

Department : ARMY  
 Option Package : PG2-2X7  
 Scenario File : C:\COBRA\PG2-2X7.CBR  
 Std Fctrs File : C:\COBRA\SF7DEC.SFF

BASE POPULATION (Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
34	234	0	1,459

PERSONNEL REALIGNMENTS:

From Base: DUGWAY PG, UT

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	0	6	0	0	0	6
TOTAL	0	0	6	0	0	0	6

TOTAL PERSONNEL REALIGNMENTS (Into YUMA PG, AZ):

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	0	6	0	0	0	6
TOTAL	0	0	6	0	0	0	6

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
34	234	0	1,465

PERSONNEL SUMMARY FOR: BASE X, US

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

Officers	Enlisted	Students	Civilians
752	4,208	1,121	2,709

PERSONNEL REALIGNMENTS:

From Base: DUGWAY PG, UT

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	3	0	0	0	3
Enlisted	0	0	15	0	0	0	15
Students	0	0	0	0	0	0	0
Civilians	0	0	56	0	0	0	56
TOTAL	0	0	74	0	0	0	74

TOTAL PERSONNEL REALIGNMENTS (Into BASE X, US):

	1996	1997	1998	1999	2000	2001	Total
Officers	0	0	3	0	0	0	3
Enlisted	0	0	15	0	0	0	15
Students	0	0	0	0	0	0	0
Civilians	0	0	56	0	0	0	56
TOTAL	0	0	74	0	0	0	74

BASE POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
755	4,223	1,121	2,765

TOTAL PERSONNEL IMPACT REPORT (COBRA v5.08) - Page 1/5  
 Data As Of 16:19 09/08/1994, Report Created 09:06 03/31/1995

Department : ARMY  
 Option Package : PG2-2X7  
 Scenario File : C:\COBRA\PG2-2X7.CBR  
 Std Fctrs File : C:\COBRA\SF7DEC.SFF

	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	64	0	0	0	64
Early Retirement*	10.00%	0	0	7	0	0	0	7
Regular Retirement*	5.00%	0	0	3	0	0	0	3
Civilian Turnover*	15.00%	0	0	9	0	0	0	9
Civs Not Moving (RIFs)*+		0	0	3	0	0	0	3
Civilians Moving (the remainder)		0	0	42	0	0	0	42
Civilian Positions Available		0	0	22	0	0	0	22
CIVILIAN POSITIONS ELIMINATED		0	0	329	0	0	0	329
Early Retirement	10.00%	0	0	33	0	0	0	33
Regular Retirement	5.00%	0	0	16	0	0	0	16
Civilian Turnover	15.00%	0	0	49	0	0	0	49
Civs Not Moving (RIFs)*+		0	0	20	0	0	0	20
Priority Placement#	60.00%	0	0	197	0	0	0	197
Civilians Available to Move		0	0	14	0	0	0	14
Civilians Moving		0	0	14	0	0	0	14
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	0	64	0	0	0	64
Civilians Moving		0	0	56	0	0	0	56
New Civilians Hired		0	0	8	0	0	0	8
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	40	0	0	0	40
TOTAL CIVILIAN RIFs		0	0	23	0	0	0	23
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	197	0	0	0	197
TOTAL CIVILIAN NEW HIRES		0	0	8	0	0	0	8

\* 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 2/5  
 Data As Of 16:19 09/08/1994, Report Created 09:06 03/31/1995

Department : ARMY  
 Option Package : PG2-2X7  
 Scenario File : C:\COBRA\PG2-2X7.CBR  
 Std Fctrs File : C:\COBRA\SF7DEC.SFF

Base: DUGWAY PG, UT	Rate	1996	1997	1998	1999	2000	2001	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	64	0	0	0	64
Early Retirement*	10.00%	0	0	7	0	0	0	7
Regular Retirement*	5.00%	0	0	3	0	0	0	3
Civilian Turnover*	15.00%	0	0	9	0	0	0	9
Civs Not Moving (RIFs)*	6.00%	0	0	3	0	0	0	3
Civilians Moving (the remainder)		0	0	42	0	0	0	42
Civilian Positions Available		0	0	22	0	0	0	22
CIVILIAN POSITIONS ELIMINATED		0	0	329	0	0	0	329
Early Retirement	10.00%	0	0	33	0	0	0	33
Regular Retirement	5.00%	0	0	16	0	0	0	16
Civilian Turnover	15.00%	0	0	49	0	0	0	49
Civs Not Moving (RIFs)*	6.00%	0	0	20	0	0	0	20
Priority Placement#	60.00%	0	0	197	0	0	0	197
Civilians Available to Move		0	0	14	0	0	0	14
Civilians Moving		0	0	14	0	0	0	14
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
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	40	0	0	0	40
TOTAL CIVILIAN RIFS		0	0	23	0	0	0	23
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	197	0	0	0	197
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%

Department : ARMY  
 Option Package : PG2-2X7  
 Scenario File : C:\COBRA\PG2-2X7.CBR  
 Std Fctrs File : C:\COBRA\SF7DEC.SFF

Base: ABERDEEN PG, MD	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	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
Priority Placement#	60.00%	0	0	0	0	0	0	0
Civilians Available to Move		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	0	2	0	0	0	2
Civilians Moving		0	0	2	0	0	0	2
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	0	0	0	0	0
TOTAL CIVILIAN RIFS		0	0	0	0	0	0	0
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	0	0	0	0
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%

Department : ARMY  
 Option Package : PG2-2X7  
 Scenario File : C:\COBRA\PG2-2X7.CBR  
 Std Fctrs File : C:\COBRA\SF7DEC.SFF

Base: YUMA PG, AZ	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	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
Priority Placement#	60.00%	0	0	0	0	0	0	0
Civilians Available to Move		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	0	6	0	0	0	6
Civilians Moving		0	0	6	0	0	0	6
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	0	0	0	0	0
TOTAL CIVILIAN RIFs		0	0	0	0	0	0	0
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	0	0	0	0
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%



Department : ARMY  
 Option Package : PG2-2X7  
 Scenario File : C:\COBRA\PG2-2X7.CBR  
 Std Fctrs File : C:\COBRA\SF7DEC.SFF

Base: BASE X, US	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	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
Priority Placement#	60.00%	0	0	0	0	0	0	0
Civilians Available to Move		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	0	56	0	0	0	56
Civilians Moving		0	0	48	0	0	0	48
New Civilians Hired		0	0	8	0	0	0	8
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	0	0	0	0	0
TOTAL CIVILIAN RIFs		0	0	0	0	0	0	0
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	0	0	0	0
TOTAL CIVILIAN NEW HIRES		0	0	8	0	0	0	8

\* 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 1/15  
 Data As Of 16:19 09/08/1994, Report Created 09:06 03/31/1995

Department : ARMY  
 Option Package : PG2-2X7  
 Scenario File : C:\COBRA\PG2-2X7.CBR  
 Std Fctrs File : C:\COBRA\SF7DEC.SFF

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	413	0	0	0	413
Civ Retire	0	0	165	0	0	0	165
CIV MOVING							
Per Diem	0	0	189	0	0	0	189
POV Miles	0	0	13	0	0	0	13
Home Purch	0	0	601	0	0	0	601
HHG	0	0	399	0	0	0	399
Misc	0	0	39	0	0	0	39
House Hunt	0	0	157	0	0	0	157
PPS	0	0	2,851	0	0	0	2,851
RITA	0	0	280	0	0	0	280
FREIGHT							
Packing	0	0	18	0	0	0	18
Freight	0	0	2	0	0	0	2
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	0	72	0	0	0	72
OTHER							
Program Plan	1,550	1,162	872	0	0	0	3,584
Shutdown	0	0	250	0	0	0	250
New Hire	0	0	9	0	0	0	9
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	7	0	0	0	7
POV Miles	0	0	4	0	0	0	4
HHG	0	0	62	0	0	0	62
Misc	0	0	12	0	0	0	12
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	320	0	0	0	320
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	1,550	1,162	6,738	0	0	0	9,450

TOTAL APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 2/15  
 Data As Of 16:19 09/08/1994, Report Created 09:06 03/31/1995

Department : ARMY  
 Option Package : PG2-2X7  
 Scenario File : C:\COBRA\PG2-2X7.CBR  
 Std Fctrs File : C:\COBRA\SF7DEC.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	189	189	189	189	757	189
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	81	81	81	81	324	81
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	270	270	270	270	1,081	270
TOTAL COST	1,550	1,162	7,008	270	270	270	10,531	270
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	29	0	0	0	29	
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	29	0	0	0	29	
RECURRINGSAVES -----(\$K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	1,044	2,089	2,089	2,089	7,311	2,089
O&M								
RPMA	0	0	359	720	720	720	2,519	720
BOS	0	0	5,298	6,852	6,852	6,852	25,855	6,852
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	7,567	15,133	15,133	15,133	52,967	15,133
CHAMPUS	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								
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	14,269	24,795	24,795	24,795	88,653	24,795
TOTAL SAVINGS	0	0	14,298	24,795	24,795	24,795	88,682	24,795

TOTAL APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 3/15  
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Department : ARMY  
 Option Package : PG2-2X7  
 Scenario File : C:\COBRA\PG2-2X7.CBR  
 Std Fctrs File : C:\COBRA\SF7DEC.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	578	0	0	0	578	
Civ Moving	0	0	4,551	0	0	0	4,551	
Other	1,550	1,162	1,203	0	0	0	3,915	
MIL PERSONNEL								
Mil Moving	0	0	57	0	0	0	57	
OTHER								
HAP / RSE	0	0	320	0	0	0	320	
Environmental	0	0	0	0	0	0	0	
Info Manage	0	0	0	0	0	0	0	
1-Time Other	0	0	0	0	0	0	0	
Land	0	0	0	0	0	0	0	
TOTAL ONE-TIME	1,550	1,162	6,709	0	0	0	9,421	
RECURRING NET -----(\$K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	-1,044	-2,089	-2,089	-2,089	-7,311	-2,089
O&M								
RPMA	0	0	-359	-720	-720	-720	-2,519	-720
BOS	0	0	-5,109	-6,663	-6,663	-6,663	-25,098	-6,663
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	0	-7,567	-15,133	-15,133	-15,133	-52,967	-15,133
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	81	81	81	81	324	81
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	-13,998	-24,524	-24,524	-24,524	-87,572	-24,524
TOTAL NET COST	1,550	1,162	-7,290	-24,524	-24,524	-24,524	-78,151	-24,524

APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 4/15  
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Department : ARMY  
 Option Package : PG2-2X7  
 Scenario File : C:\COBRA\PG2-2X7.CBR  
 Std Fctrs File : C:\COBRA\SF7DEC.SFF

Base: DUGWAY PG, UT	1996	1997	1998	1999	2000	2001	Total
ONE-TIME COSTS							
-----(\$K)-----	----	----	----	----	----	----	-----
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	413	0	0	0	413
Civ Retire	0	0	165	0	0	0	165
CIV MOVING							
Per Diem	0	0	189	0	0	0	189
POV Miles	0	0	13	0	0	0	13
Home Purch	0	0	601	0	0	0	601
HHG	0	0	399	0	0	0	399
Misc	0	0	39	0	0	0	39
House Hunt	0	0	157	0	0	0	157
PPS	0	0	2,851	0	0	0	2,851
RITA	0	0	280	0	0	0	280
FREIGHT							
Packing	0	0	18	0	0	0	18
Freight	0	0	2	0	0	0	2
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	0	72	0	0	0	72
OTHER							
Program Plan	1,550	1,162	872	0	0	0	3,584
Shutdown	0	0	250	0	0	0	250
New Hires	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	7	0	0	0	7
POV Miles	0	0	4	0	0	0	4
HHG	0	0	62	0	0	0	62
Misc	0	0	12	0	0	0	12
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	320	0	0	0	320
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	1,550	1,162	6,729	0	0	0	9,441

APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 5/15  
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Department : ARMY  
 Option Package : PG2-2X7  
 Scenario File : C:\COBRA\PG2-2X7.CBR  
 Std Fctrs File : C:\COBRA\SF7DEC.SFF

Base: DUGWAY PG, UT

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
En1 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	 1,550	 1,162	 6,729	 0	 0	 0	 9,441	 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	29	0	0	0	29	
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	29	0	0	0	29	
RECURRINGSAVES -----(\$K)-----	1996	1997	1998	1999	2000	2001	Total	Beyond
FAM HOUSE OPS	0	0	1,044	2,089	2,089	2,089	7,311	2,089
O&M								
RPMA	0	0	359	720	720	720	2,519	720
BOS	0	0	5,298	6,852	6,852	6,852	25,855	6,852
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	0	7,567	15,133	15,133	15,133	52,967	15,133
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
En1 Salary	0	0	0	0	0	0	0	0
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	14,269	24,795	24,795	24,795	88,653	24,795
 TOTAL SAVINGS	 0	 0	 14,298	 24,795	 24,795	 24,795	 88,682	 24,795

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Department : ARMY  
 Option Package : PG2-2X7  
 Scenario File : C:\COBRA\PG2-2X7.CBR  
 Std Fctrs File : C:\COBRA\SF7DEC.SFF

Base: DUGWAY PG, UT

ONE-TIME NET	1996	1997	1998	1999	2000	2001	Total	
----(\$K)----	----	----	----	----	----	----	----	
<b>CONSTRUCTION</b>								
MILCON	0	0	0	0	0	0	0	
Fam Housing	0	0	0	0	0	0	0	
<b>O&amp;M</b>								
Civ Retir/RIF	0	0	578	0	0	0	578	
Civ Moving	0	0	4,551	0	0	0	4,551	
Other	1,550	1,162	1,194	0	0	0	3,906	
<b>MIL PERSONNEL</b>								
Mil Moving	0	0	57	0	0	0	57	
<b>OTHER</b>								
HAP / RSE	0	0	320	0	0	0	320	
Environmental	0	0	0	0	0	0	0	
Info Manage	0	0	0	0	0	0	0	
1-Time Other	0	0	0	0	0	0	0	
Land	0	0	0	0	0	0	0	
<b>TOTAL ONE-TIME</b>	<b>1,550</b>	<b>1,162</b>	<b>6,700</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,412</b>	
<b>RECURRING NET</b>								
----(\$K)----	----	----	----	----	----	----	Total	Beyond
FAM HOUSE OPS	0	0	-1,044	-2,089	-2,089	-2,089	-7,311	-2,089
<b>O&amp;M</b>								
RPMA	0	0	-359	-720	-720	-720	-2,519	-720
BOS	0	0	-5,298	-6,852	-6,852	-6,852	-25,855	-6,852
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	0	-7,567	-15,133	-15,133	-15,133	-52,967	-15,133
CHAMPUS	0	0	0	0	0	0	0	0
<b>MIL PERSONNEL</b>								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
<b>OTHER</b>								
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
<b>TOTAL RECUR</b>	<b>0</b>	<b>0</b>	<b>-14,269</b>	<b>-24,795</b>	<b>-24,795</b>	<b>-24,795</b>	<b>-88,653</b>	<b>-24,795</b>
<b>TOTAL NET COST</b>	<b>1,550</b>	<b>1,162</b>	<b>-7,569</b>	<b>-24,795</b>	<b>-24,795</b>	<b>-24,795</b>	<b>-79,241</b>	<b>-24,795</b>

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Department : ARMY  
 Option Package : PG2-2X7  
 Scenario File : C:\COBRA\PG2-2X7.CBR  
 Std Fctrs File : C:\COBRA\SF7DEC.SFF

Base: ABERDEEN PG, MD	1996	1997	1998	1999	2000	2001	Total
ONE-TIME COSTS	----	----	----	----	----	----	----
----(\$K)----	----	----	----	----	----	----	----
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	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
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	0	0	0	0	0
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	0	0	0	0	0
OTHER							
Program Plan	0	0	0	0	0	0	0
Shutdown	0	0	0	0	0	0	0
New Hires	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
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	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	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





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Department : ARMY  
 Option Package : PG2-2X7  
 Scenario File : C:\COBRA\PG2-2X7.CBR  
 Std Fctrs File : C:\COBRA\SF7DEC.SFF

Base: ABERDEEN PG, MD

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	0	0	0	0	0	
Civ Moving	0	0	0	0	0	0	0	
Other	0	0	0	0	0	0	0	
MIL PERSONNEL								
Mil Moving	0	0	0	0	0	0	0	
OTHER								
HAP / RSE	0	0	0	0	0	0	0	
Environmental	0	0	0	0	0	0	0	
Info Manage	0	0	0	0	0	0	0	
1-Time Other	0	0	0	0	0	0	0	
Land	0	0	0	0	0	0	0	
TOTAL ONE-TIME	0	0	0	0	0	0	0	
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	11	11	11	11	45	11
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	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
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
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	11	11	11	11	45	11
TOTAL NET COST	0	0	11	11	11	11	45	11

APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 10/15  
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Department : ARMY  
 Option Package : PG2-2X7  
 Scenario File : C:\COBRA\PG2-2X7.CBR  
 Std Fctrs File : C:\COBRA\SF7DEC.SFF

Base: YUMA PG, AZ	1996	1997	1998	1999	2000	2001	Total
ONE-TIME COSTS							
-----(\$K)-----	----	----	----	----	----	----	-----
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	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
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	0	0	0	0	0
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	0	0	0	0	0
OTHER							
Program Plan	0	0	0	0	0	0	0
Shutdown	0	0	0	0	0	0	0
New Hires	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
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	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	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



APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 12/15  
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Department : ARMY  
 Option Package : PG2-2X7  
 Scenario File : C:\COBRA\PG2-2X7.CBR  
 Std Fctrs File : C:\COBRA\SF7DEC.SFF

Base: YUMA PG, AZ

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	0	0	0	0	0	
Civ Moving	0	0	0	0	0	0	0	
Other	0	0	0	0	0	0	0	
MIL PERSONNEL								
Mil Moving	0	0	0	0	0	0	0	
OTHER								
HAP / RSE	0	0	0	0	0	0	0	
Environmental	0	0	0	0	0	0	0	
Info Manage	0	0	0	0	0	0	0	
1-Time Other	0	0	0	0	0	0	0	
Land	0	0	0	0	0	0	0	
TOTAL ONE-TIME	0	0	0	0	0	0	0	
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	35	35	35	35	141	35
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	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
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
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	35	35	35	35	141	35
TOTAL NET COST	0	0	35	35	35	35	141	35

APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 13/15  
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Department : ARMY  
 Option Package : PG2-2X7  
 Scenario File : C:\COBRA\PG2-2X7.CBR  
 Std Fctrs File : C:\COBRA\SF7DEC.SFF

Base: BASE X, US 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	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
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	0	0	0	0	0
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	0	0	0	0	0
OTHER							
Program Plan	0	0	0	0	0	0	0
Shutdown	0	0	0	0	0	0	0
New Hires	0	0	9	0	0	0	9
1-Time Move	0	0	0	0	0	0	0
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	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
Info Manage	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	9	0	0	0	9



APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 15/15  
 Data As Of 16:19 09/08/1994, Report Created 09:06 03/31/1995

Department : ARMY  
 Option Package : PG2-2X7  
 Scenario File : C:\COBRA\PG2-2X7.CBR  
 Std Fctrs File : C:\COBRA\SF7DEC.SFF

Base: BASE X, US

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	0	0	0	0	0	
Civ Moving	0	0	0	0	0	0	0	
Other	0	0	9	0	0	0	9	
MIL PERSONNEL								
Mil Moving	0	0	0	0	0	0	0	
OTHER								
HAP / RSE	0	0	0	0	0	0	0	
Environmental	0	0	0	0	0	0	0	
Info Manage	0	0	0	0	0	0	0	
1-Time Other	0	0	0	0	0	0	0	
Land	0	0	0	0	0	0	0	
TOTAL ONE-TIME	0	0	9	0	0	0	9	
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	143	143	143	143	572	143
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	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
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	81	81	81	81	324	81
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	224	224	224	224	895	224
TOTAL NET COST	0	0	233	224	224	224	904	224





Department : ARMY  
 Option Package : PG2-2X7  
 Scenario File : C:\COBRA\PG2-2X7.CBR  
 Std Fctrs File : C:\COBRA\SF7DEC.SFF

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from DUGWAY PG, UT to BASE X, US

	1996	1997	1998	1999	2000	2001
Officer Positions:	0	0	3	0	0	0
Enlisted Positions:	0	0	15	0	0	0
Civilian Positions:	0	0	56	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
Mil Light Vehic (tons):	0	0	0	0	0	0
Heavy/Spec Vehic (tons):	0	0	0	0	0	0

(See final page for Explanatory Notes)

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: DUGWAY PG, UT

Total Officer Employees:	28	RPMA Non-Payroll (\$K/Year):	6,150
Total Enlisted Employees:	169	Communications (\$K/Year):	0
Total Student Employees:	0	BOS Non-Payroll (\$K/Year):	23,666
Total Civilian Employees:	687	BOS Payroll (\$K/Year):	9,667
Mil Families Living On Base:	100.0%	Family Housing (\$K/Year):	2,089
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	0.97
Officer Housing Units Avail:	0	CHAMPUS In-Pat (\$/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat (\$/Visit):	0
Total Base Facilities(KSF):	1,596	CHAMPUS Shift to Medicare:	0.0%
Officer VHA (\$/Month):	113	Activity Code:	49295
Enlisted VHA (\$/Month):	61	Homeowner Assistance Program:	Yes
Per Diem Rate (\$/Day):	98	Unique Activity Information:	No
Freight Cost (\$/Ton/Mile):	0.07		

Name: ABERDEEN PG, MD

Total Officer Employees:	446	RPMA Non-Payroll (\$K/Year):	34,274
Total Enlisted Employees:	1,863	Communications (\$K/Year):	0
Total Student Employees:	2,996	BOS Non-Payroll (\$K/Year):	124,706
Total Civilian Employees:	6,771	BOS Payroll (\$K/Year):	50,936
Mil Families Living On Base:	76.2%	Family Housing (\$K/Year):	7,292
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	0.92
Officer Housing Units Avail:	0	CHAMPUS In-Pat (\$/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat (\$/Visit):	0
Total Base Facilities(KSF):	12,121	CHAMPUS Shift to Medicare:	0.0%
Officer VHA (\$/Month):	130	Activity Code:	24015
Enlisted VHA (\$/Month):	155	Homeowner Assistance Program:	No
Per Diem Rate (\$/Day):	116	Unique Activity Information:	No
Freight Cost (\$/Ton/Mile):	0.07		

Name: YUMA PG, AZ

Total Officer Employees:	34	RPMA Non-Payroll (\$K/Year):	5,300
Total Enlisted Employees:	234	Communications (\$K/Year):	0
Total Student Employees:	0	BOS Non-Payroll (\$K/Year):	19,455
Total Civilian Employees:	1,518	BOS Payroll (\$K/Year):	7,946
Mil Families Living On Base:	100.0%	Family Housing (\$K/Year):	3,597
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.11
Officer Housing Units Avail:	0	CHAMPUS In-Pat (\$/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat (\$/Visit):	0
Total Base Facilities(KSF):	1,353	CHAMPUS Shift to Medicare:	0.0%
Officer VHA (\$/Month):	250	Activity Code:	4985
Enlisted VHA (\$/Month):	138	Homeowner Assistance Program:	No
Per Diem Rate (\$/Day):	86	Unique Activity Information:	No
Freight Cost (\$/Ton/Mile):	0.07		

Department : ARMY  
 Option Package : PG2-2X7  
 Scenario File : C:\COBRA\PG2-2X7.CBR  
 Std Fctrs File : C:\COBRA\SF7DEC.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: BASE X, US

Total Officer Employees:	752	RPMA Non-Payroll (\$K/Year):	11,891
Total Enlisted Employees:	4,208	Communications (\$K/Year):	1,514
Total Student Employees:	1,121	BOS Non-Payroll (\$K/Year):	29,982
Total Civilian Employees:	2,709	BOS Payroll (\$K/Year):	21,877
Mil Families Living On Base:	55.0%	Family Housing (\$K/Year):	8,151
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.09
Officer Housing Units Avail:	0	CHAMPUS In-Pat (\$/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat (\$/Visit):	0
Total Base Facilities(KSF):	6,091	CHAMPUS Shift to Medicare:	0.0%
Officer VHA (\$/Month):	178	Activity Code:	BASEX
Enlisted VHA (\$/Month):	132		
Per Diem Rate (\$/Day):	101	Homeowner Assistance Program:	No
Freight Cost (\$/Ton/Mile):	0.07	Unique Activity Information:	No

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: DUGWAY PG, UT

	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(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	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):	200					
		Perc Family Housing ShutDown:				100.0%

Name: ABERDEEN PG, MD

	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(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	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 : ARMY  
 Option Package : PG2-2X7  
 Scenario File : C:\COBRA\PG2-2X7.CBR  
 Std Fctrs File : C:\COBRA\SF7DEC.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: YUMA PG, AZ

	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(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	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					0.0%
						Perc Family Housing ShutDown:

Name: BASE X, US

	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(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	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					0.0%
						Perc Family Housing ShutDown:

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: DUGWAY PG, UT

	1996	1997	1998	1999	2000	2001
Off Force Struc Change:	0	0	0	0	0	0
Enl Force Struc Change:	0	0	0	0	0	0
Civ Force Struc Change:	0	-6	-44	0	0	0
Stu Force Struc Change:	0	0	0	0	0	0
Off Scenario Change:	0	0	0	0	0	0
Enl Scenario Change:	0	0	0	0	0	0
Civ Scenario Change:	0	0	-329	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

Department : ARMY  
 Option Package : PG2-2X7  
 Scenario File : C:\COBRA\PG2-2X7.CBR  
 Std Fctrs File : C:\COBRA\SF7DEC.SFF

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: ABERDEEN PG, MD

	1996	1997	1998	1999	2000	2001
Off Force Struc Change:	0	0	-2	0	0	0
Enl Force Struc Change:	0	0	0	0	0	0
Civ Force Struc Change:	0	-53	-186	0	0	0
Stu Force Struc Change:	0	96	-47	0	0	0
Off Scenario Change:	0	0	0	0	0	0
Enl Scenario Change:	0	0	0	0	0	0
Civ Scenario Change:	0	0	0	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

Name: YUMA PG, AZ

	1996	1997	1998	1999	2000	2001
Off Force Struc Change:	0	0	0	0	0	0
Enl Force Struc Change:	0	0	0	0	0	0
Civ Force Struc Change:	0	-12	-28	-19	0	0
Stu Force Struc Change:	0	0	0	0	0	0
Off Scenario Change:	0	0	0	0	0	0
Enl Scenario Change:	0	0	0	0	0	0
Civ Scenario Change:	0	0	0	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:	77.00%	Civ Early Retire Pay Factor:	9.00%
Percent Enlisted Married:	58.50%	Priority Placement Service:	60.00%
Enlisted Housing MilCon:	91.00%	PPS Actions Involving PCS:	50.00%
Officer Salary(\$/Year):	67,948.00	Civilian PCS Costs (\$):	28,800.00
Off BAQ with Dependents(\$):	7,717.00	Civilian New Hire Cost(\$):	1,109.00
Enlisted Salary(\$/Year):	30,860.00	Nat Median Home Price(\$):	114,600.00
Enl BAQ with Dependents(\$):	5,223.00	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):	45,998.00	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:	19.00%
SF File Desc:	SF7DEC.SFF	RSE Homeowner Receiving Rate:	12.00%

STANDARD FACTORS SCREEN TWO - FACILITIES

RPMA Building SF Cost Index:	0.93	Rehab vs. New MilCon Cost:	59.00%
BOS Index (RPMA vs population):	0.54	Info Management Account:	15.00%
(Indices are used as exponents)		MilCon Design Rate:	10.00%
Program Management Factor:	10.00%	MilCon SIOH Rate:	6.00%
Caretaker Admin(SF/Care):	162.00	MilCon Contingency Plan Rate:	7.00%
Mothball Cost (\$/SF):	1.25	MilCon Site Preparation Rate:	24.00%
Avg Bachelor Quarters(SF):	388.00	Discount Rate for NPV.RPT/ROI:	2.75%
Avg Family Quarters(SF):	1,819.00	Inflation Rate for NPV.RPT/ROI:	0.00%
APPDET.RPT Inflation Rates:			
1996: 2.90%	1997: 3.00%	1998: 3.00%	1999: 3.00%
			2000: 3.00%
			2001: 3.00%

Department : ARMY  
 Option Package : PG2-2X7  
 Scenario File : C:\COBRA\PG2-2X7.CBR  
 Std Fctrs File : C:\COBRA\SF7DEC.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):	0.09
HHG Per Enl Family (Lb):	9,000.00	Heavy/Spec Vehicle(\$/Mile):	0.09
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):	2.90
Total HHG Cost (\$/100Lb):	35.00	Routine PCS(\$/Pers/Tour):	4,665.00
Air Transport (\$/Pass Mile):	0.20	One-Time Off PCS Cost(\$):	6,134.00
Misc Exp (\$/Direct Employ):	700.00	One-Time Enl PCS Cost(\$):	4,381.00

STANDARD FACTORS SCREEN FOUR - MILITARY CONSTRUCTION

Category	UM	\$/UM	Category	UM	\$/UM
Horizontal	(SY)	38	APPLIED INSTR	(SF)	114
Waterfront	(LF)	0	LABS (RDT&E)	(SF)	175
Air Operations	(SF)	130	CHILD CARE CENTER	(SF)	120
Operational	(SF)	119	PRODUCTION FAC	(SF)	100
Administrative	(SF)	106	PHYSICAL FITNESS FAC	(SF)	128
School Buildings	(SF)	104	2+2 BACHQ	(EA)	19,140
Maintenance Shops	(SF)	108	Optional Category G	( )	0
Bachelor Quarters	(EA)	46,227	Optional Category H	( )	0
Family Quarters	(EA)	96,040	Optional Category I	( )	0
Covered Storage	(SF)	60	Optional Category J	( )	0
Dining Facilities	(SF)	180	Optional Category K	( )	0
Recreation Facilities	(SF)	0	Optional Category L	( )	0
Communications Facil	(SF)	0	Optional Category M	( )	0
Shipyards Maintenance	(SF)	0	Optional Category N	( )	0
RDT & E Facilities	(SF)	139	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)

EQUIPMENT SHIP WEIGHTS ARE ESTIMATES

DACS-TABS  
Vallone, JS

April 11, 1995  
Ext 4-6513

SUBJECT: REVISED ECONOMIC IMPACTS

DUGWAY RECOMMENDATION

**Impacts:** Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 1,350 jobs (840 direct jobs and 510 indirect jobs) over the 1996-2001 period in the Tooele County, UT economic area, which represents 10.2 percent of the areas' employment.

# ECONOMIC IMPACT DATABASE

Installation: **DUGWAY PROVING GROUND**

State: **Utah**

Service: **ARMY**

Report Note: **PG2-2x3**

Comment: **REALIGN - RELOCATE TO APG, YPG & BASE - X**

Previous BRAC Actions: Year: **N/A**

Action: **UNAFFECTED** Mil: **0** Civ: **0** Contr: **0** Train: **0**

**BRAC95 Inputs:**

Current Base Pers.: ff: **28** Enl: **169** Civ: **593** Contr: **530** Train: **0**

Action: **REALIGNING**

	1994	1995	1996	1997	1998	1999	2000	2001
Military Pers. Relocated (OUT)	0	0	0	0	18	0	0	0
Military Pers. Disestablished (OUT)	0	0	0	0	0	0	0	0
Civilian Pers. Relocated (OUT)	0	0	0	0	64	0	0	0
Civilian Pers. Disestablished (OUT)	0	0	0	0	-329	0	0	0
Contractor Personnel (OUT)	0	0	0	0	-429	0	0	0
Military Training Status (OUT)	0	0	0	0	0	0	0	0
Military Personnel (IN)	0	0	0	0	0	0	0	0
Civilian Personnel (IN)	0	0	0	0	0	0	0	0
Contractor Personnel (IN)	0	0	0	0	0	0	0	0
Military Training Status (IN)	0	0	0	0	0	0	0	0



## Economic Impact Data

**Activity: DUGWAY PROVING GROUND**  
**Economic Area: Tooele County, UT**

**Impact of Proposed BRAC-95 Action at DUGWAY PROVING GROUND:**

Total Population of Tooele County, UT (1992):	27,600
Total Employment of Tooele County, UT, BEA (1992):	13,191
Total Personal Income of Tooele County, UT (1992 actual):	\$408,068,000
BRAC 95 Total Direct and Indirect Job Change:	(1,350)
BRAC 95 Potential Total Job Change Over Closure Period (% of 1992 Total Employment	(10.2%)

		1994	1995	1996	1997	1998	1999	2000	2001	Total
Relocated Jobs:	MIL	0	0	0	0	(18)	0	0	0	(18)
	CIV	0	0	0	0	(64)	0	0	0	(64)
Other Jobs:	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	0	(758)	0	0	0	(758)
<b>BRAC 95 Direct Job Change Summary at DUGWAY PROVING GROUND:</b>										
	MIL	0	0	0	0	(18)	0	0	0	(18)
	CIV	0	0	0	0	(822)	0	0	0	(822)
	TOT	0	0	0	0	(840)	0	0	0	(840)
										Indirect Job Change: (510)
										Total Direct and Indirect Job Change: (1,350)

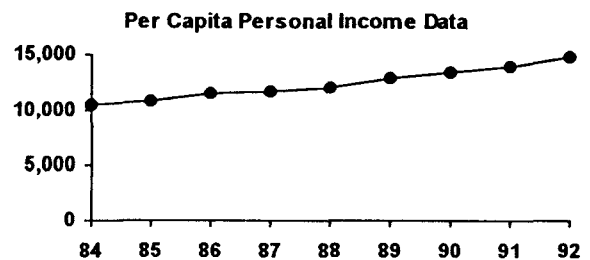
**Other Pending BRAC Actions at DUGWAY PROVING GROUND (Previous Rounds):**

	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	0	0	0	0	0	0

**Tooele County, UT Profile:**

Civilian Employment, BLS (1993): 11,883

Average Per Capita Income (1992): \$14,810



**Annualized Change in Civilian Employment (1984-1993)**      **Annualized Change in Per Capita Personal Income (1984-1992)**

Employment:	153	Dollars:	\$528
Percentage:	1.5%	Percentage:	4.3%
U.S. Average Change:	1.5%	U.S. Average Change:	5.3%

**Unemployment Rates for Tooele County, UT and the US (1984 - 1993):**

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Local	6.1%	6.0%	6.3%	7.5%	5.6%	4.6%	5.3%	5.3%	5.9%	4.7%
U.S.	7.5%	7.2%	7.0%	6.2%	5.5%	5.3%	5.5%	6.7%	7.4%	6.8%

1 Note: Bureau of Labor Statistics employment data for 1993, which has been adjusted to incorporate revised methodologies and 1993 Bureau of the Census metropolitan area definitions are not fully compatible with 1984 - 1992 data.

## Economic Impact Data

**Activity: DUGWAY PROVING GROUND**

**Economic Area: Tooele County, UT**

**Cumulative BRAC Impacts Affecting Tooele County, UT:**

<b>Cumulative Total Direct and Indirect Job Change:</b>	<b>(4,292)</b>
<b>Potential Cumulative Total Job Change Over Closure Period (% of 1992 Total Employ</b>	<b>(32.5%)</b>

		1994	1995	1996	1997	1998	1999	2000	2001	Total
<b>Other Proposed BRAC 95 Direct Job Changes in Economic Area (Excluding DUGWAY PROVING GROUND)</b>										
Army:	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	0	0	0	0	0	0
Navy:	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	0	0	0	0	0	0
Air Force:	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	0	0	0	0	0	0
Other:	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	0	0	0	0	0	0
<b>Other Pending Prior BRAC Direct Job Changes in Economic Area (Excluding DUGWAY PROVING GROUND)</b>										
Army:	MIL	(1)	0	0	0	0	0	0	0	(1)
	CIV	(110)	(150)	(172)	(704)	(73)	0	0	0	(1,209)
Navy:	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	0	0	0	0	0	0
Air Force:	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	0	0	0	0	0	0
Other:	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	0	0	0	0	0	0
<b>Cumulative Direct Job Change in Tooele County, UT Statistical Area (Including DUGWAY PROVING GROUND)</b>										
	MIL	(1)	0	0	0	(18)	0	0	0	(19)
	CIV	(110)	(150)	(172)	(704)	(895)	0	0	0	(2,031)
	TOT	(111)	(150)	(172)	(704)	(913)	0	0	0	(2,050)
<b>Cumulative Indirect Job Change:</b>										<b>(2,075)</b>
<b>Cumulative Total Direct and Indirect Job Change:</b>										<b>(4,292)</b>

# ECONOMIC IMPACT DATABASE

Installation: **ABERDEEN PROVING GROUND**

State: **Maryland**

Service: **ARMY**

Report Note: **PG2-2x3/CO4-1**

Comment: **RECEIVING FROM  
DUGWAY/REDIRECT FROM FORT**

Previous BRAC Actions: Year: **N/A**

Action: **UNAFFECTED** Mil: **6** Civ: **262** Contr: **0** Train: **0**

**BRAC95 Inputs:**

Current Base Pers.: ff: **439** Enl: **1647** Civ: **6370** Contr: **2670** Train: **3021**

Action: **REALIGNING**

	1994	1995	1996	1997	1998	1999	2000	2001
Military Pers. Relocated (OUT)	0	0	0	0	0	0	0	0
Military Pers. Disestablished (OUT)	0	0	0	0	0	0	0	0
Civilian Pers. Relocated (OUT)	0	0	0	0	0	0	0	0
Civilian Pers. Disestablished (OUT)	0	0	0	0	0	0	0	0
Contractor Personnel (OUT)	0	0	0	0	0	0	0	0
Military Training Status (OUT)	0	0	0	0	0	0	0	0
Military Personnel (IN)	0	0	0	0	0	0	0	0
Civilian Personnel (IN)	0	0	9	0	58	0	0	0
Contractor Personnel (IN)	0	0	0	0	0	0	0	0
Military Training Status (IN)	0	0	0	0	0	0	0	0

## Economic Impact Data

**Activity: ABERDEEN PROVING GROUND**

**Economic Area: Baltimore, MD PMSA**

**Impact of Proposed BRAC-95 Action at ABERDEEN PROVING GROUND:**

Total Population of Baltimore, MD PMSA (1992):	2,433,800
Total Employment of Baltimore, MD PMSA, BEA (1992):	1,357,930
Total Personal Income of Baltimore, MD PMSA (1992 actual):	\$54,545,477,000
BRAC 95 Total Direct and Indirect Job Change:	194
BRAC 95 Potential Total Job Change Over Closure Period (% of 1992 Total Employment	0.0%

		1994	1995	1996	1997	1998	1999	2000	2001	Total
Relocated Jobs:	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	0	0	0	0	0	0
Other Jobs:	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	9	0	58	0	0	0	67
<b>BRAC 95 Direct Job Change Summary at ABERDEEN PROVING GROUND:</b>										
	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	9	0	58	0	0	0	67
	TOT	0	0	9	0	58	0	0	0	67
<b>Indirect Job Change:</b>										127
<b>Total Direct and Indirect Job Change:</b>										194

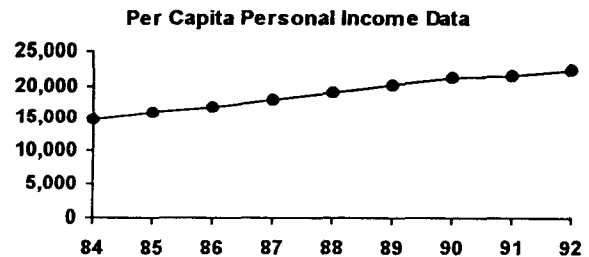
**Other Pending BRAC Actions at ABERDEEN PROVING GROUND (Previous Rounds):**

	1994	1995	1996	1997	1998	1999	2000	2001	Total
MIL	0	6	0	0	0	0	0	0	6
CIV	0	262	0	0	0	0	0	0	262

**Baltimore, MD PMSA Profile:**

Civilian Employment, BLS (1993): 1,125,762

Average Per Capita Income (1992): \$22,412



**Annualized Change in Civilian Employment (1984-1993)**

Employment: 9,434  
 Percentage: 0.9%  
 U.S. Average Change: 1.5%

**Annualized Change in Per Capita Personal Income (1984-1992)**

Dollars: \$956  
 Percentage: 5.4%  
 U.S. Average Change: 5.3%

**Unemployment Rates for Baltimore, MD PMSA and the US (1984 - 1993):**

	<u>1984</u>	<u>1985</u>	<u>1986</u>	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>	<u>1992</u>	<u>1993</u>
Local	6.2%	5.3%	5.2%	4.7%	4.9%	4.0%	5.1%	6.6%	7.4%	7.3%
U.S.	7.5%	7.2%	7.0%	6.2%	5.5%	5.3%	5.5%	6.7%	7.4%	6.8%

1 Note: Bureau of Labor Statistics employment data for 1993, which has been adjusted to incorporate revised methodologies and 1993 Bureau of the Census metropolitan area definitions are not fully compatible with 1984 - 1992 data.

## Economic Impact Data

**Activity: ABERDEEN PROVING GROUND**

**Economic Area: Baltimore, MD PMSA**

**Cumulative BRAC Impacts Affecting Baltimore, MD PMSA:**

Cumulative Total Direct and Indirect Job Change:	1,435
Potential Cumulative Total Job Change Over Closure Period (% of 1992 Total Employ	0.1%

		1994	1995	1996	1997	1998	1999	2000	2001	Total
<b>Other Proposed BRAC 95 Direct Job Changes in Economic Area (Excluding ABERDEEN PROVING GROUND)</b>										
Army:	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	0	0	0	0	0	0
Navy:	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	0	0	0	0	0	0
Air Force:	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	0	0	0	0	0	0
Other:	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	0	0	0	0	0	0
<b>Other Pending Prior BRAC Direct Job Changes in Economic Area (Excluding ABERDEEN PROVING GROUND)</b>										
Army:	MIL	(16)	469	114	0	0	0	0	0	567
	CIV	(67)	77	11	0	0	0	0	0	21
Navy:	MIL	(1)	(25)	412	0	0	0	0	0	386
	CIV	(58)	(79)	(79)	(13)	0	0	0	0	(229)
Air Force:	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	0	0	0	0	0	0
Other:	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	0	0	0	0	0	0
<b>Cumulative Direct Job Change in Baltimore, MD PMSA Statistical Area (Including ABERDEEN PROVING GROUND)</b>										
	MIL	(17)	450	526	0	0	0	0	0	959
	CIV	(125)	260	(59)	(13)	58	0	0	0	121
	TOT	(142)	710	467	(13)	58	0	0	0	1,080
Cumulative Indirect Job Change:										355
Cumulative Total Direct and Indirect Job Change:										1,435

# ECONOMIC IMPACT DATABASE

Installation: **YUMA PROVING GROUND**

State: **Arizona**

Service: **ARMY**

Report Note: **PG2-2x3**

Comment: **RECEIVING FROM DUGWAY**

Previous BRAC Actions: Year: **N/A**

Action: **UNAFFECTED**

Mil: **0**

Civ: **179**

Contr: **0**

Train: **0**

**BRAC95 Inputs:**

Current Base Pers.: ff: **34**

Enl: **234**

Civ: **1518**

Contr: **588**

Train: **0**

Action: **REALIGNING**

	1994	1995	1996	1997	1998	1999	2000	2001
Military Pers. Relocated (OUT)	0	0	0	0	0	0	0	0
Military Pers. Disestablished (OUT)	0	0	0	0	0	0	0	0
Civilian Pers. Relocated (OUT)	0	0	0	0	0	0	0	0
Civilian Pers. Disestablished (OUT)	0	0	0	0	0	0	0	0
Contractor Personnel (OUT)	0	0	0	0	0	0	0	0
Military Training Status (OUT)	0	0	0	0	0	0	0	0
Military Personnel (IN)	0	0	0	0	0	0	0	0
Civilian Personnel (IN)	0	0	0	0	6	0	0	0
Contractor Personnel (IN)	0	0	0	0	0	0	0	0
Military Training Status (IN)	0	0	0	0	0	0	0	0

## Economic Impact Data

**Activity: YUMA PROVING GROUND**

**Economic Area: Yuma, AZ MSA**

**Impact of Proposed BRAC-95 Action at YUMA PROVING GROUND:**

Total Population of Yuma, AZ MSA (1992):	117,500
Total Employment of Yuma, AZ MSA, BEA (1992):	55,520
Total Personal Income of Yuma, AZ MSA (1992 actual):	\$1,568,505,000
BRAC 95 Total Direct and Indirect Job Change:	11
BRAC 95 Potential Total Job Change Over Closure Period (% of 1992 Total Employment)	0.0%

		1994	1995	1996	1997	1998	1999	2000	2001	Total	
Relocated Jobs:	MIL	0	0	0	0	0	0	0	0	0	
	CIV	0	0	0	0	0	0	0	0	0	
Other Jobs:	MIL	0	0	0	0	0	0	0	0	0	
	CIV	0	0	0	0	6	0	0	0	6	
<b>BRAC 95 Direct Job Change Summary at YUMA PROVING GROUND:</b>											
	MIL	0	0	0	0	0	0	0	0	0	
	CIV	0	0	0	0	6	0	0	0	6	
	TOT	0	0	0	0	6	0	0	0	6	
										Indirect Job Change:	5
										Total Direct and Indirect Job Change:	11

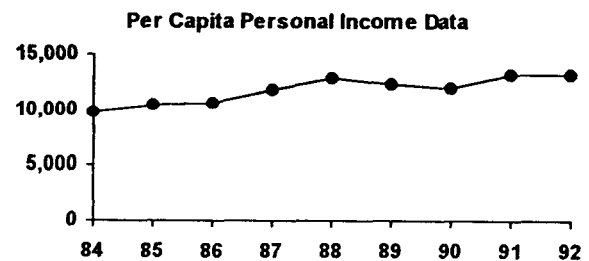
**Other Pending BRAC Actions at YUMA PROVING GROUND (Previous Rounds):**

	1994	1995	1996	1997	1998	1999	2000	2001	Total
MIL	0	0	0	0	0	0	0	0	0
CIV	90	89	0	0	0	0	0	0	179

**Yuma, AZ MSA Profile:**

Civilian Employment, BLS (1993): 41,006

Average Per Capita Income (1992): \$13,345



**Annualized Change in Civilian Employment (1984-1993)**

Employment:	1,263
Percentage:	4.2%
U.S. Average Change:	1.5%

**Annualized Change in Per Capita Personal Income (1984-1992)**

Dollars:	\$436
Percentage:	4.0%
U.S. Average Change:	5.3%

**Unemployment Rates for Yuma, AZ MSA and the US (1984 - 1993):**

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
Local	13.0%	19.6%	19.0%	17.2%	19.4%	17.0%	19.7%	18.0%	22.4%	23.7%
U.S.	7.5%	7.2%	7.0%	6.2%	5.5%	5.3%	5.5%	6.7%	7.4%	6.8%

<sup>1</sup> Note: Bureau of Labor Statistics employment data for 1993, which has been adjusted to incorporate revised methodologies and 1993 Bureau of the Census metropolitan area definitions are not fully compatible with 1984 - 1992 data.

## Economic Impact Data

**Activity: YUMA PROVING GROUND**

**Economic Area: Yuma, AZ MSA**

**Cumulative BRAC Impacts Affecting Yuma, AZ MSA:**

<b>Cumulative Total Direct and Indirect Job Change:</b>	<b>351</b>
<b>Potential Cumulative Total Job Change Over Closure Period (% of 1992 Total Employ)</b>	<b>0.6%</b>

		1994	1995	1996	1997	1998	1999	2000	2001	Total
<b>Other Proposed BRAC 95 Direct Job Changes in Economic Area (Excluding YUMA PROVING GROUND)</b>										
Army:	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	0	0	0	0	0	0
Navy:	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	0	0	0	0	0	0
Air Force:	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	0	0	0	0	0	0
Other:	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	0	0	0	0	0	0
<b>Other Pending Prior BRAC Direct Job Changes in Economic Area (Excluding YUMA PROVING GROUND)</b>										
Army:	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	0	0	0	0	0	0
Navy:	MIL	1	0	0	0	0	0	0	0	1
	CIV	0	0	0	0	0	0	0	0	0
Air Force:	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	0	0	0	0	0	0
Other:	MIL	0	0	0	0	0	0	0	0	0
	CIV	0	0	0	0	0	0	0	0	0
<b>Cumulative Direct Job Change in Yuma, AZ MSA Statistical Area (Including YUMA PROVING GROUND)</b>										
	MIL	1	0	0	0	0	0	0	0	1
	CIV	90	89	0	0	6	0	0	0	185
	TOT	91	89	0	0	6	0	0	0	186
<b>Cumulative Indirect Job Change:</b>										<b>165</b>
<b>Cumulative Total Direct and Indirect Job Change:</b>										<b>351</b>



THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950410-23

FROM: CIRILLO, FRANK	TO: BLUME, JAY
TITLE: AF TEAM LEADER	TITLE: SPECIAL ASST
ORGANIZATION: DBCRC	ORGANIZATION: HEADQUARTERS USAF
INSTALLATION (S) DISCUSSED: SPRINGFIELD - BECKLEY AIR GUARD STATION	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL				COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTROYA			
				COMMISSIONER ROBLES			
DIR/CONGRESSIONAL LIAISON				COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER	✓		
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER			
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR./INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature		Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

FORWARDING LETTER FROM GOV. GEORGE UOLNOVICH OF OHIO AND REQUESTING THEY RESPOND.

Due Date: 950424	Routing Date: 950410	Date Originated: 950410	Mail Date:
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**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425

ARLINGTON, VA 22209

703-696-0504

ALAN J. DIXON, CHAIRMAN

April 10, 1995

COMMISSIONERS:

AL CORNELLA

REBECCA COX

GEN J. B. DAVIS, USAF (RET)

S. LEE KLING

RADM BENJAMIN F. MONTOYA, USN (RET)

MG JOSUE ROBLES, JR., USA (RET)

WENDI LOUISE STEELE

Major General Jay Blume (Lt. Col. Mary Tripp)

Special Assistant to the Chief of Staff

for Base Realignment and Transition

Headquarters USAF

1670 Air Force Pentagon

Washington, D.C. 20330-1670

Please refer to this number  
when responding 950410-23

Dear General Blume:

I am forwarding a letter regarding the proposed closure of Springfield-Beckley Air Guard Station, Ohio for your comment. The letter, submitted by Governor George Voinovich of Ohio, raises several concerns regarding the proposed closure.

In order to assist the Commission in its review of this issue, I would appreciate your written comments on this letter no later than April 24, 1995. Thank you for your assistance in this matter.

Sincerely,

Francis A. Cirillo Jr., PE

Air Force Team Leader



GEORGE V. VOINOVICH  
GOVERNOR

STATE OF OHIO  
OFFICE OF THE GOVERNOR  
COLUMBUS 43266-0601

March 31, 1995

59

950405-14

The Honorable Alan Dixon  
Chairman  
1995 Base Closure & Realignment Commission  
1700 N. Moor Street, Suite 125  
Arlington, Virginia 20009

Dear Senator Dixon:

I was disturbed to learn of the Air Force's recommendation to realign Ohio Air National Guard units from Springfield to Wright Patterson AFB as part of the 1995 base closure and realignment actions. This same proposal was proffered in 1993, only to be overturned because it was not cost effective.

By the Air Force's own admission, the cost savings in the 1993 recommendation were grossly inaccurate. In the initial announcement, the cost of moving the Springfield units was estimated at \$3 million. Further analysis of the proposal projected moving costs in excess of \$42 million. The Air Force then backed away from the proposal and recommended that the units stay in place. This course of action was upheld by the BRAC Commission.

Little has changed over the past two years to warrant this recommendation. In fact, the Air Force Reserve unit currently stationed at Wright Patterson Air Force Base has been upgraded from a group to a wing and has expanded into many of the facilities targeted for use by the Air National Guard in the last proposal.

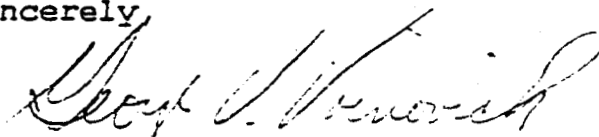
As I understand it, the next step in this process will be a site analysis of the proposal to validate its cost effectiveness. I urge your support in ensuring full disclosure by the Air Force of its methods for determining cost effectiveness and a free and open exchange of information at all levels of the Air Force as we move forward on this issue.



With regard to the military value of the proposal, I feel both readiness and recruiting will suffer if the Air National Guard is relocated to an active installation. The Air Guard enjoys superior facilities and a strong community recruiting base in Springfield. Movement to WPAFB will isolate the units from the community and result in expensive, unnecessary military construction to adequately house the Guard.

The strength of the National Guard lies in its direct ties to the community. This method of stationing America's community-based defense force has not only served us well, it has proven to be the most economical way to recruit, retain, and maintain National Guard operations. Upon close scrutiny of this proposal, I know you and members of the Commission will feel the same way.

Sincerely,



George V. Voinovich  
Governor

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950410-24

FROM: CIRILLO, FRANK	TO: BLUME, JAY
TITLE: AF TEAM LEADER	TITLE: SPECIAL ASST
ORGANIZATION: DBCRC	ORGANIZATION: HEADQUARTERS USAF
INSTALLATION (s) DISCUSSED: BROOKS AFB	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL	✓			COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
				COMMISSIONER ROBLES			
DIR/CONGRESSIONAL LIAISON				COMMISSIONER STEELE			
DIR/COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER	✓		
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR/INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature		Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

REQUESTING THEY PERFORM COBRA RUN ON  
BROOKS AFB USING NEW ASSUMPTIONS,

Due Date: 950501      Routing Date: 950410      Date Originated: 950410      Mail Date: 950410



**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425

ARLINGTON, VA 22209

703-696-0504

ALAN J. DIXON, CHAIRMAN

April 10, 1995

**COMMISSIONERS:**

AL CORNELLA

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GEN J. B. DAVIS, USAF (RET)

S. LEE KLING

RADM BENJAMIN F. MONTOYA, USN (RET)

MG JOSUE ROBLES, JR., USA (RET)

WENDI LOUISE STEELE

Major General Jay D. Blume, Jr. (Lt. Col. Mary Tripp)  
Special Assistant to the Chief of Staff  
for Base Realignment and Transition  
Headquarters USAF  
1670 Air Force Pentagon  
Washington, D.C. 20330-1670

Please refer to this number  
when responding 950410-24

Dear General Blume:

Due to continued community interest and recent national news coverage we request you perform an additional COBRA run on Brooks AFB with the following assumptions.

- a. Cantonment of Brooks AFB with base support provided by Lackland AFB.
- b. Retain HSC, Armstrong Lab, School of Aerospace Medicine, AFCEE, and YA in cantonment at Brooks. 68th Intel Sqdn and 710th Intel Flight (AFRES) relocate to Lackland.
- c. Review and carefully estimate the number of positions that could be eliminated with a closure of Brooks but cantonment of major missions. In other words, identify the number of BOS-payroll positions that would be eliminated if we realign Brooks and canton the missions with the base support provided by Lackland AFB.

In order to assist the Commission in its work, we request this information to be provided no later than May 1, 1995. Thank you for your assistance in this matter.

Sincerely,

Francis A. Cirillo, Jr., PE  
Air Force Team Leader



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS UNITED STATES AIR FORCE



26 MAY 1995

MEMORANDUM FOR BASE CLOSURE COMMISSION (Mr. Francis A. Cirillo, Jr.)

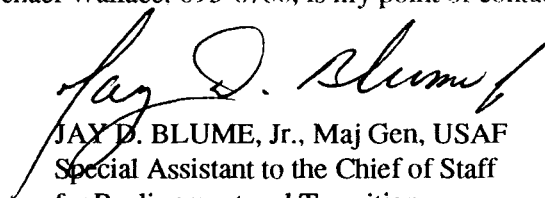
FROM: HQ USAF/RT

SUBJECT: Brooks AFB Cantonment COBRA Analysis (RT Tasker 378)

Our response to your tasker of April 20, 1995 (950410-24) is attached. The Air Force in generating a concept of operations gave due consideration to the Community's concept of operations which was provided to us as a separate tasking (950504-3). The COBRA analysis for the Community's concept of operations tasking will be provided under separate cover.

The Air Force views "paper studies" dealing with cantonments of laboratories cautiously due to the complexity of leaving substantial operations in a stand alone or cantoned scenario. The failure to reduce laboratory capacity by altering the closure of Brooks AFB, and consolidating functions at Wright-Patterson AFB, will leave excess capacity within the Air Force. The Air Force continues to believe the community's proposal would not achieve needed savings and reductions of infrastructure, and relies on assumptions of support that may not be practical for the long-term. As a result, the Air Force would not favor this alternative and hopes you will take this into consideration in your review of the SECDEF recommendation.

I trust this responds to your request. Maj Michael Wallace, 695-6766, is my point of contact.

  
JAY D. BLUME, Jr., Maj Gen, USAF  
Special Assistant to the Chief of Staff  
for Realignment and Transition

Attachment:  
Brooks (Cantonment) COBRA

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950410-25

FROM: HOGUE, PHILIP R.	TO: GENERAL
TITLE: DIRECTOR	TITLE:
ORGANIZATION: ST LOUIS DEF TASK FORCE	ORGANIZATION: DBCRC
INSTALLATION (S) DISCUSSED:	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL				COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
				COMMISSIONER ROBLES			
DIR/CONGRESSIONAL LIAISON	✓			COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR/INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature	Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature	Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	FYI

Subject/Remarks:

SCHEDULE OF PRESENTATION TO DBCRC BY ST. LOUIS DEFENSE TASK FORCE.

Due Date:	Routing Date: 950410	Date Originated: 950407	Mail Date:
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# St. Louis Defense Task Force

Office at the St. Louis Commerce and Growth Association  
100 S. 4th St., Suite 500, St. Louis, MO 63102

## Facsimile Cover Sheet

**To:** CHRIS  
**Company:** BRAC Commission  
**Phone:** 703-696-0504  
**Fax:** 703-696-0550

**From:** Col. Philip R. Hoge (Ret), Director   
**Phone:** 314-444-1108  
**Fax:** 314-444-1177  
**Date:** April 7, 1995

**Pages including this  
cover page:** 2

**Comments:** As per our discussion earlier today. I will be talking with you on Monday if there are any changes.

## Presentation to BRAC Commission by St. Louis Defense Task Force

Governor Mel Carnahan	4 minutes
Mayor Freeman Bosley, Jr.	4 minutes
Richard C.D. Fleming, President & CEO Regional Commerce & Growth Association and Col. Philip R. Hoge (Ret), PE, Director St. Louis Defense Task Force	20 minutes
Thomas Walker, Assistant Regional Administrator - GSA	12 minutes
Questions and Answers	20 minutes

- ◆ Seated at table for presentation
  - Governor Mel Carnahan
  - Mayor Freeman Bosley, Jr.
  - Richard C.D. Fleming
  - Col. Philip R. Hoge
  - Thomas Walker
  - Woody Overton

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950410-26

FROM: BROWN, BRAD	TO: <del>FRANK</del> CANTWELL, FRANK
TITLE:	TITLE: AF SENIOR ANALYST
ORGANIZATION: AF/XOXI	ORGANIZATION: DBCR
INSTALLATION (s) DISCUSSED:	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL				COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
				COMMISSIONER ROBLES			
DIR/CONGRESSIONAL LIAISON				COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER	✓		
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER			
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR. INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature		Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

FORWARDING START TREATY INFORMATION.

Due Date:	Routing Date: 950410	Date Originated: 950410	Mail Date:
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Classification: UNCLASSIFIED

FACSIMILE TRANSMITTAL SHEET

Please refer to this number  
when responding 950410-26

**NATIONAL SECURITY  
NEGOTIATIONS**  
D I V I S I O N

HQ USAF/XOXI (Room 1D373)  
1480 AIR FORCE PENTAGON  
WASHINGTON, D.C. 20330-1480

**AF / XOXI**

FAX: (703) 614-4338 SECURE FAX: (703) 614-4734

TOTAL PAGES (EXCLUDING HEADER): 25

DATE: 6 APR 95

FROM: MAJ BENO BROWN DSN: 225-3908

COM: 695-3908

TO: BASE CUSUM

VOICE: 696-0504

FAX: 696-0580

Attn: MR FRANK CANTWELL

SUBJECT: START TREATY INFO

REMARKS:

*Hope this helps.  
CALL IF YOU NEED SOMETHING ELSE.*

Classification: UNCLASSIFIED

to in Articles I and II of the Treaty on the Prohibition of the Emplacement of Nuclear Weapons and Other Weapons of Mass Destruction on the Seabed and the Ocean Floor and in the Subsoil Thereof of February 11, 1971;

(c) systems, including missiles, for placing nuclear weapons or any other kinds of weapons of mass destruction into Earth orbit or a fraction of an Earth orbit;

(d) air-to-surface ballistic missiles (ASBMs);

(e) long-range nuclear ALCMs armed with two or more nuclear weapons.

19. Each Party undertakes not to:

(a) flight-test with nuclear armaments an aircraft that is not an airplane, but that has a range of 8000 kilometers or more; equip such an aircraft for nuclear armaments; or deploy such an aircraft with nuclear armaments;

(b) flight-test with nuclear armaments an airplane that was not initially constructed as a bomber, but that has a range of 8000 kilometers or more, or an integrated planform area in excess of 310 square meters; equip such an airplane for nuclear armaments; or deploy such an airplane with nuclear armaments;

(c) flight-test with long-range nuclear ALCMs an aircraft that is not an airplane, or an airplane that was not initially constructed as a bomber; equip such an aircraft or such an airplane for long-range nuclear ALCMs; or deploy such an aircraft or such an airplane with long-range nuclear ALCMs.

20. The United States of America undertakes not to equip existing or future heavy bombers for more than 20 long-range nuclear ALCMs.

21. The Union of Soviet Socialist Republics undertakes not to equip existing or future heavy bombers for more than 16 long-range nuclear ALCMs.

22. Each Party undertakes not to locate long-range nuclear ALCMs at air bases for heavy bombers equipped for nuclear armaments other than long-range nuclear ALCMs, air bases for heavy bombers equipped for non-nuclear armaments, air bases for former heavy bombers, or training facilities for heavy bombers.

23. Each Party undertakes not to base heavy bombers equipped for long-range nuclear ALCMs, heavy bombers equipped for nuclear armaments other than long-range nuclear ALCMs, or heavy bombers equipped for non-nuclear armaments at air bases at which heavy bombers of either of the other two categories are based.

24. Each Party undertakes not to convert:

(a) heavy bombers equipped for nuclear armaments other than long-range nuclear ALCMs into heavy bombers equipped for long-range nuclear ALCMs, if such heavy bombers were previously equipped for long-range nuclear ALCMs;

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950411-1

FROM: PAYMENT, LEE T	TO: COX, REBECCA
TITLE: <del>LOCAL</del> PRESIDENT	TITLE: Commissioner
ORGANIZATION: MALMSTROM AFB	ORGANIZATION: DBCR
INSTALLATION (s) DISCUSSED: MALMSTROM.	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INIT	COMMISSION MEMBERS	FYI	ACTION	INIT
CHAIRMAN DIXON				COMMISSIONER CORNELLA	✓		
STAFF DIRECTOR	✓			COMMISSIONER COX	✓		
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS ✓	✓		
GENERAL COUNSEL				COMMISSIONER KLING ✓	✓		
MILITARY EXECUTIVE				COMMISSIONER MONTOYA	✓		
				COMMISSIONER ROBLES	✓		
DIR./CONGRESSIONAL LIAISON		Ⓢ		COMMISSIONER STEELE	✓		
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER		X	
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR./INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

Ⓢ Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature		Prepare Direct Response
X ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:  
LETTER OF SUPPORT FOR MALMSTROM.

Due Date: 950418	Routing Date: 950411	Date Originated: 95	Mail Date:
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# American Federation of Government Employees

Local 2609

P.O. Box 6333

Great Falls, Montana 59406

Rebecca Cox  
Commissioner  
1995 Base Realignment and Closure Commission  
Washington D.C.

Please refer to this number  
when responding 950411-1

Ms. Cox,

As a Labor Leader at Malmstrom AFB and concerned American Tax Payer, I would like to submit, for Your information and consideration, on the matter of realignment at Malmstrom AFB as recommended by the Department of Defense, the following.

1. The State of Montana.
  - a. 147,138 Sq/Miles of Virtually unrestricted airspace
  - b. A population of 799,065 (1990 census)
  - c. Only 5.4 people per Sq/Mile
2. City of Great Falls and Cascade County.
  - a. Malmstrom's impact on the local economy at min.30% of total Revenues.
  - b. Twice in the last year the County Commission voted to restrict housing development that would hamper the safe flying zone on the S.W. end of the base's flightline.
3. Malmstrom's 43rd Air Refueling Wing
  - a. In excess of \$126 Million Dollars spent to ready base For KC-135 Tanker Mission.
  - b. Constructed Specialized Fuel Cell maintenance facility common only to refueling aircraft.
  - c. Installed and upgraded fuels distribution infrastructure, Buildings and Storage Tanks and EPA containment structures.
  - d. Constructed a new Tri-Bay hanger and renovated 2 aircraft Maintenance Nose Docks
  - e. Constructed a new KC-135 Flight Simulator to train and upgrade the skills of the flight crews.
  - f. Constructed a new corrosion, sheetmetal, machine and jet engine repair and maintenance facility.
  - g. Has supported world wide missions, Desert Shield/Storm Operation Restore Hope, being deployed from Malmstrom.
4. Malmstrom's 341st Missile Wing
  - a. A more stable environment in the missile complex, underground silos and launch capsules in much superior ground structure than other Minuteman Wings.
  - b. Virtually no ground water problems, flooding silos and launch facilities as at other Minuteman Wings

BRACC page 2

- c. Multimillion dollar upgrade of Malmstrom's missile complex to accommodate Minuteman III missile requirements nearly completed.

It is our understanding that the facilities located at Malmstrom DO NOT exist at the recommended new location for the 43rd ARW. It would appear the greater military value would be to utilize the new facilities where they already exist and not have to ask the American Tax Payer's to fund new, duplicate facilities elsewhere.

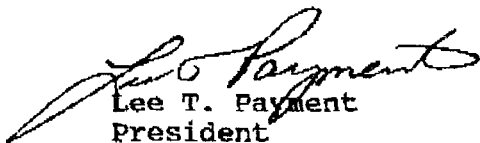
General Moorman, #2 man in the Air Force, said it best during a tour of Malmstrom's Air Wing facilities, in early March, after the announcement of DOD recommendations to BRACC, "WHY IN THE HELL DO WE WANT TO CLOSE SUCH BEAUTIFUL FACILITIES",. Sounds more like a political decision than that of "Military Value".

Bring the Minuteman III missiles into Malmstrom's far superior missile complex, rather than leave them where they are now , with questionable operational capabilities and readiness in the unacceptable conditions in which they now exist.

The community of Great Falls, Cascade County and the State of Montana support Malmstrom AFB and Both Mission's located here.

We have very limited potential for a major disaster either in civilian population or environmental impact in the event of an aircraft accident as compared to the area of Tampa/St.Pete th has been suggested to relocate the Air ReFueling Wing. The weather here does not present the danger to the aircraft and resources of the Air Wing that Florida does.

Please if you have not had opportunity to inspect the flying missions facility at the base, do so before making your final recommendations to the President.



Lee T. Payment  
President  
AFGE Local 2609  
Malmstrom AFB, Montana





**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

Please refer to file number  
950411-1R1

ALAN J. DIXON, CHAIRMAN

**COMMISSIONERS:**

AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

April 12, 1995

Mr. Lee T. Payment  
President, AFGE 2609  
Post Office Box 6333  
Great Falls, Montana 59406

Dear Mr. Payment:

Thank you for your recent letter in support of Malmstrom Air Force Base in Great Falls, Montana. I certainly understand your interest in the base closure and realignment process and welcome your comments.

You may be certain that the Commission will thoroughly review the information used by the Defense Department in making its recommendations. I can assure you that the information you have provided will be considered by the Commission in our review and analysis of the Secretary of Defense's recommendations.

Please do not hesitate to contact me whenever you believe I can be of service.

Sincerely,

Rebecca G. Cox  
Commissioner

RGC:cw

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950411-2

FROM: PEIHAN, TERRY S.	TO: LYLES, DAVID
TITLE: PRESIDENT	TITLE: STAFF DIRECTOR
ORGANIZATION: GREAT FALLS AREA CHAMBER	ORGANIZATION: DBCRC
INSTALLATION (S) DISCUSSED: MALMSTROM	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL				COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
				COMMISSIONER ROBLES			
DIR./CONGRESSIONAL LIAISON		✓		COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER		X	
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR./INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

<input type="checkbox"/>	Prepare Reply for Chairman's Signature	<input type="checkbox"/>	Prepare Reply for Commissioner's Signature
<input checked="" type="checkbox"/>	Prepare Reply for Staff Director's Signature	<input type="checkbox"/>	Prepare Direct Response
X	ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

FORWARDING COPY OF COMMUNITY SUPPORT BOOK.

\* COPY IN LIBRARY \*

Due Date: 950418	Routing Date: 950411	Date Originated: 950404	Mail Date:
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**GREAT  
FALLS AREA  
CHAMBER OF COMMERCE**

P. O. Box 2127  
GREAT FALLS, MONTANA 59403  
(406) 761-4434

Please refer to this number  
when responding 950411-2

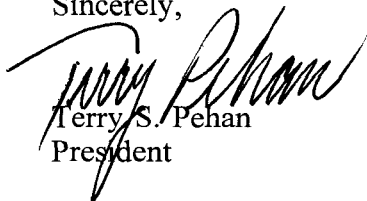
April 4, 1995

Defense Base Closure and Realignment Commission  
c/o Mr. David Lyles  
1700 North Moore St., Suite 1425  
Arlington, VA 22209

Dear Mr. Lyles:

It was a pleasure to meet you during the recent Commission visit to Great Falls and Malmstrom Air Force Base. Unfortunately, we ran out of time during our short luncheon to properly present our community support book to the members of the Commission. I appreciate your help in ensuring the Commissioners have the opportunity to review the information provided.

Sincerely,

  
Terry S. Pehan  
President

TSP:ah

Enclosure



THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

ALAN J. DIXON, CHAIRMAN

COMMISSIONERS:

AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

April 13, 1995

Mr. Terry S. Pehan  
President  
Great Falls Area Chamber of Commerce  
P.O. Box 2127  
Great Falls, Montana 59403

Dear Mr. Pehan:

Handwritten: 950411-2R1

Thank you for forwarding a copy of the Great Falls community support book on Malmstrom Air Force Base. I appreciate your community's interest in the base closure and realignment process and welcome your comments.

I can assure you that the information contained in your community support book will be made a part of our library, and it will be considered by the Commission in our review and analysis of the Secretary of Defense's recommendation on Malmstrom Air Force Base.

I look forward to working with you during this difficult and challenging process. Please do not hesitate to contact me whenever you believe I can be of service.

Sincerely,

David S. Lyles  
Staff Director

DSL:js

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950411-3

FROM: ROSSELLO; PEDRO	TO: DIXON
TITLE: GOVERNOR	TITLE: CHAIRMAN
ORGANIZATION: PUERTO RICO	ORGANIZATION: DBCRC
INSTALLATION (S) DISCUSSED: FT BUCHANAN	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL				COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
				COMMISSIONER ROBLES			
DIR./CONGRESSIONAL LIAISON		Ⓢ		COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER		X	
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR./INFORMATION SERVICES				SYLVIA THOMPSON		X	

TYPE OF ACTION REQUIRED

Ⓢ	Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
	Prepare Reply for Staff Director's Signature		Prepare Direct Response
X	ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

TESTIMONY FROM BIRMINGHAM REGIONAL HEARING IN SUPPORT OF FORT BUCHANAN.

Due Date: 950413	Routing Date: 950411	Date Originated: 950328	Mail Date:
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*The Governor of Puerto Rico*

March 28, 1995

Please refer to this number  
when responding 9504-1-3

The Honorable Alan J. Dixon  
Chairman  
Defense Base Closure and Realignment Commission  
Suite 1425  
1700 North Moore Street  
Arlington, Virginia 22209

Dear Mr. Chairman:

I write in regard to a proposed realignment of Fort Buchanan, Puerto Rico.

Understanding that this matter is to be reviewed at a regional hearing in Birmingham, Alabama on April 4, 1995, I have designated the Adjutant General of Puerto Rico, Major General Emilio Díaz-Colón, to represent me there.

**Nevertheless, I welcome this opportunity to urge personally that the current operational status of Fort Buchanan be retained indefinitely.**

Throughout its 72-year history, Fort Buchanan has made uniquely valuable contributions to the nation's defense readiness. Currently, it is the Army's only active base located in the vast, security-sensitive Caribbean Sea...and its **exceptional potential is clearly acknowledged by the Department of Defense (DoD)**, which — after evaluating dozens of prospective sites — has included Fort Buchanan on its "short list" of finalists for the relocation from Panamá of the headquarters of the U.S. Southern Command.

It is hardly surprising that Fort Buchanan is viewed so favorably by the DoD:

- the base is situated in metropolitan San Juan — the aviation/maritime hub of the Caribbean and capital city of a U.S. territory populated by 3.7-million patriotic American citizens;
- bilingual/bicultural Puerto Rico, with its firmly entrenched democratic institutions and the region's most sophisticated commercial/technological infrastructure, is an ideal setting from which to coordinate Caribbean/Latin American outreach and contingency programs alike.

The Honorable Alan J. Dixon  
March 28, 1995  
Page Two

The people of Puerto Rico, for our part, have long embraced Fort Buchanan as an integral component of the community. Having served with valor in the Armed Forces throughout both World Wars, Korea, Vietnam and the Persian Gulf conflict – as well as in countless other overseas military operations – Puerto Ricans view Fort Buchanan with pride and affection.

For precisely this reason, news of the base's possible realignment has been received on the island with surprise and consternation. Exacerbating those sentiments, moreover, are the severe military and socio-economic hardships that realignment would impose between now and 1997:

- the termination of 500 civilian employees;
- the loss of Active Army support for 15,000 local members of Reserve Components;
- the impact upon 36,000 retired veterans who depend upon the wide range of facilities available at the Fort.

To summarize, then, I am convinced that the national interest would be ill-served by the realignment of Fort Buchanan. **I strongly recommend that Fort Buchanan be allowed to continue building upon its venerable record of productive service to the Army, our island, and our nation.**

Should realignment prove inevitable, however, I am informed that there will arise questions concerning the disposition of acreage located outside four yet-to-be-designated enclaves. Under such a realignment scenario, please be advised that the Government of Puerto Rico would be interested in the transfer of this land for the primary purpose of enhancing the effectiveness of the National Guard and other state agencies entrusted with the preservation of law and order; the Puerto Rico National Guard would be the lead state agency in the administration of this excess acreage.

In the devout hope that Fort Buchanan will remain a vital asset in the Active Army's inventory of resources, I extend cordial best wishes and invite you to contact me whenever I can be of assistance to the Commission.

Sincerely,



Pedro Rosselló  
Governor of Puerto Rico

DRAFT

DATE

General Gordon R. Sullivan  
Chief of Staff, Army  
200 Army Pentagon  
Washington, DC 20310-0200

Dear General Sullivan:

The Governor of Puerto Rico has requested that the Commission consider alternatives to the Defense Department's proposal to realign Fort Buchanan, Puerto Rico. His principal suggestion is that the property be transferred to the Commonwealth – to be administered by the National Guard – if the Commission endorses the Defense recommendation.

The Commission recognizes the Department of the Army's position is the Defense Department's recommendation. However, integral to the Commission's independence is consideration of alternatives to Defense recommendations. To assist Commission deliberations, we solicit your views on the Governor's suggestion.

I would appreciate your response by April 24, 1995 so your views may be considered during the Commission base visit April, 28, 1995.

Sincerely,

Alan J. Dixon  
Chairman

- Don't this a question for reuse?  
- I think we should send Parcells  
the standard "thank-you-for-your-views" response; reuse  
comes after our decision.  
- ~~This~~ Has the incoming been logged in?  
DRAFT  
BJ



Jeff,

See enclosed letter from the Governor of Puerto Rico - this was in fact testimony given at Birmingham - it came back w/ us - it is also a letter to Dixon - thus, Basil makes a good pt - we should write & respond - Congressional should respond - thanking his designate for testimony and using some language guidance provided by Sylvia.

Also, the letter from LUCAN should be coordinated w/ Ed Brown w/ language stating that I have taken the liberty of forwarding your letter to Gerald Gordon - I want to see if there are any other proposed recommendations for the Buchanan - should the Commission adopt the report - I will try to respond - A copy of Ed's letter should go to Gov PR w/ your response -  
Sylvia/Carol/Ed Brown  
Action -  
Chris



DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION  
1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

File # 950411-3R1

April 26, 1995

The Honorable Pedro Rossello  
Governor of Puerto Rico  
Governor's Office  
La Fortaleza  
San Juan, Puerto Rico 00901

Dear Governor Rossello:

Thank you for your letter regarding the Secretary of Defense's recommendation to realign Fort Buchanan, Puerto Rico. I certainly understand your interest in the base closure and realignment process and welcome your comments. I also appreciate the testimony provided by Major General Emilio Diaz-Colon, Adjutant General, at the Commission's April 4 regional hearing in Birmingham, Alabama.

You may be certain that the Commission will thoroughly review the information used by the Defense Department in making its recommendations. I can assure you that the information you have provided will be considered by the Commission in our review and analysis of the Secretary of Defense's recommendations regarding Fort Buchanan.

I look forward to working with you during this difficult and challenging process. Please do not hesitate to contact me whenever you believe I may be of service.

Sincerely,

Alan J. Dixon  
Chairman

AJD:cw

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) #

950411-4

FROM: CLINE, NEIL C.	TO: DIXON
TITLE: CITIZEN	TITLE: CHAIRMAN
ORGANIZATION:	ORGANIZATION: DBCRC
INSTALLATION (S) DISCUSSED: LETTERKENNY ARMY DEPOT	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX	✓		
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL				COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
				COMMISSIONER ROBLES			
DIR./CONGRESSIONAL LIAISON		Ⓢ		COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER	✓		
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER			
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR./INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

Ⓢ Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature		Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

FORWARDING PETITION SIGNED BY 324 EMPLOYEES REQUESTING THAT DBCRC REVISIT THE DEPOT.

Due Date: 950418

Routing Date: 950411

Date Originated: [Signature]

Mail Date:

324

Total Signatures

Commissioner Alan Dixon  
c/o BRAC Commission  
1700 N. Moore Street  
Arlington, VA 22209

Please refer to this number  
when responding 950411-4

Dear Commissioner Dixon,

This letter is written on behalf of a concerned group of employees located at Letterkenny Army Depot and its collocated activities in Chambersburg, PA. The purpose of this letter is to request a return visit by the BRAC Commissioners to the Army installation in south central Pennsylvania.

Enclosed you will find a petition signed by some of the collocated activity employees from Letterkenny Army Depot. This petition signed by some 400 personnel requests your return visit to this installation to evaluate errors, omissions, and misstatements found within the Army proposal for realignment of Letterkenny Army Depot.

This same petition is being staffed with the GS and Wage grade unions on Letterkenny Army Depot and other collocated activities. We expect to send you the balance of those petitions within the next week.

Once we have finalized these petitions, we expect to have signatures from approximately 3,400 employees who are directly affected by the proposed realignment. We urge you to consider this petition and revisit Letterkenny as quickly as possible. We feel confident that we can point out the flaws in the Army's data.

Request that you contact the undersigned at area code 717-264-2379 and the necessary arrangements will be made for your visit. Thanks for your cooperation.

Sincerely,



Neil C. Cline  
1734 Blakewood Drive  
Chambersburg, PA 17201  
717-264-2379

Commissioner Rebecca Cox  
c/o BRAC Commission  
1700 N. Moore Street  
Arlington, VA 22209

Dear Commissioner Cox,

We the employees of Letterkenny Army Depot (LEAD) and its collocated activities, including the Systems Integration and Management Activity (SIMA), Defense Megacenter (DMC-C), Defense Logistics Agency (DLA) and others respectfully request your return visit to LEAD as part of the BRAC 95 evaluation.

The DOD BRAC 95 proposal is a complete reversal of the recommendations which you and your fellow commissioners approved in BRAC 93. The recommendations which you made at that time are being implemented today here at LEAD. Specifically, LEAD is involved in missile interservicing, having begun work on over half of the missile systems and we have formed a partnership with private industry in the production of Paladin Howitzers.

We believe that the information on which the Defense Department has relied is inaccurate and unreliable. We believe the military value of the installation is understated due to changes in the criteria used to evaluate installations from earlier BRAC rounds. We believe the depot cost of doing business is overstated, is outdated and inflated cost data was used. We believe that the projected costs of closure are understated and future savings are overstated. Finally, we believe that environmental cleanup impacts were not properly considered.

Further, we point out that the economic impact on the region is understated as the internal defense plans to relocate the approximately 1000 collocated activity employees on this installation were not addressed in the BRAC proposal.

Therefore, we respectfully request that you make a return visit to Letterkenny and evaluate for yourself the actions taken by this depot in response to BRAC 93. After having done so, we feel confident that the information presented will reaffirm the conclusion made by BRAC 93 that LEAD and its collocated activities should remain open and workloaded to the fullest extent to minimize cost and maximize productivity. We recognize you have a very aggressive schedule, but if you could find time to visit Letterkenny just once, your support would be greatly appreciated.

Sincerely,

Signed by the Employees of Letterkenny  
and Tenant Activities

## LEAD AND CO-LOCATED ACTIVITY EMPLOYEE SIGNATURES

Corinna D. Kotz

Judith H. Fein

Essie M. Miller

Steven D. Keller

Raymond L. Bean

Elizabeth Fitzgould

Denise Stromaker

Donna Johnson

Jina L. Knoll

Lucinda L. Hill

Nancy G. Jones

Bradley L. Linn

Steph E. Dale

Bruce Kapp

Anthony Conway

Patricia A. Moran

Ronald H. Cotabish

Sharon E. Murti

Richard A. Walk

LEAD AND CO-LOCATED ACTIVITY EMPLOYEE SIGNATURES

Walter J. Brennan IV

Randy J. Meyers

Gregory J. Shandley

Susan Lim

Trick Patricia Cant

Rhonda Hull

Susan B. Etter

[Signature]

David M. Mullins

Pamela F. Zimmerman

Barbara Peck

John D. Ferry

Joseph J. Spito

Bryan L. Sipes

Thomas L. Fair

Jodi H. Bennett

[Signature]

George A. Hawks

[Signature]

John Quastrow

Ralph Reed

Mona J. Meriden

Brian C. Hanson

[Signature]

Laura Mann

Cheryl L. Litchell

David L. Hoffman

LEAD AND CO-LOCATED ACTIVITY EMPLOYEE SIGNATURES

Beverly Clark  
 Ross A. Brown  
 Jean W. Cramer  
 Jan E. Cook  
 John B. Flood  
 Robert W. Bagby  
 Robin Pinkerton  
 Glenn P. Stewart  
 Stanley D. Walker  
 Janet B. Hawbecker  
 Milana A. Hennings  
 Brenda J. Hoover  
 James K. Wetherby  
 Marilyn W. Hill  
 Alvin L. Smith  
 Michael Wallace  
 Gerald S. Bennett  
 Michael D. Pritchard  
 Tony J. Ford  
 Nancy Lawson



LEAD AND CO-LOCATED ACTIVITY EMPLOYEE SIGNATURES

*James W. Ryan*  
*Josephine A. Robinson*  
*Dana E. Riley*  
*Patricia A. Tuerk*  
*Devin S. Seltman*  
*Paul J. Sanchez*  
~~*John Ross*~~  
*Sharon K. Blackburn*  
*Sharon Tansum*  
*James J. Norman*  
~~*David G. Deman*~~  
*Kally J. Frayin*  
*Suey McStong*  
*Terri Hill*  
*Betty L. Elliott*  
*Michael Smith*  
  
*Andrew Butak*  
*C. Thomas Neal*  
  
*Jane A. Bendy*  
*Carroll D. Perry*

LEAD AND CO-LOCATED ACTIVITY EMPLOYEE SIGNATURES

~~James D. Smith~~

~~Frank B. Smith~~

Robert C. Smith

Bill Kochhaus

Harry F. Wood

Leslie Ann Rube

Judy D. Orth

Mary Jane King

Donald R. Kelly

Glades M. Jockel

Steven J. Baum

James R. Silvers

Kathy Christman

Dina K. Hill

M. W. Wasey

Bruce M. Somers

Michael G. Myers

Shirley J. Holden

## LEAD AND CO-LOCATED ACTIVITY EMPLOYEE SIGNATURES

Patricia A. Martin  
 Robin Hamilton  
 Lucille D. Hoppie  
 Cynthia M. Schreier  
 Barbara J. Ramsey  
 Violet P. Cowan  
 Mattie V. Guealy  
 Gordon M. Daniels  
 Barbara  
 Hilmar L. Kendall  
 Diane L. Campbell  
 Nancy M. Mowers  
 Tim M. Crouse  
 Tony K. Hein  
 Rudy D. O'Donnell  
 Thomas E. Freeman  
 Laura E. Stouffer  
 Cheryl Stevens  
 Elaine Machel  
 Dawn Y. Statler

## LEAD AND CO-LOCATED ACTIVITY EMPLOYEE SIGNATURES

William O'Leary                      William D. McKelvin

Arthur A. Kallhoff

Trudy Raffensberger

William G. Dempsey

Diana M. Doyle

Sally Ann Black

Bruce H. Ford

Cynthia J. Gibson

Susan Oliver

John S. Jankowski

Sharon Byers

Paul H. Mitchell

Laura J. Reason

John J. Gagnier

Cozme D. Dyer

Deborah C. Corder

Robert W. Ray

Laura Kennedy Couch

Gentle K. Davis

Marianne Barrick

Trudy R. Smith

Charles E. Metzger

Kelly A. Kelly

LEAD AND CO-LOCATED ACTIVITY EMPLOYEE SIGNATURES

Karl Cook  
 Carol M...  
 Mark Cl...  
 Penn...  
 James L. F...  
 Denise L. Pittman  
 William J. Walsh  
 Susan K...  
 Linda...  
 Joseph...  
 ...  
 Robert...  
 David F. Walters  
 Jack...  
 Jim Washburn  
 Gary Walker





LEAD AND CO-LOCATED ACTIVITY EMPLOYEE SIGNATURES

Shelly Hoffman

Douglas W. Tustey

[Signature]

Jessica DeWease

Horizontal lines for signatures





LEAD AND CO-LOCATED ACTIVITY EMPLOYEE SIGNATURES

Neil C. Clive

Paul L. Dracini

Arthur M.

Louise Connell

Sam Rupp

John M. Lucas

Betty J. Suto

Gayle N. Myzette

Yvonne Dyer

Adrian Connelly

Ray E. Sturman

Robert Mull

Cynda Wacker

James D. Higgins

Richard J. McCall



LEAD AND CO-LOCATED ACTIVITY EMPLOYEE SIGNATURES

Cous C Adams

Gary Flugel

Carol S. Blawie

Kathy Hill

Donita K. Nowak

William Wenger

LEAD AND CO-LOCATED ACTIVITY EMPLOYEE SIGNATURES

<i>Gary Jackson</i>	Defense Printing Service
<i>Kimberly K Brown</i>	Defense Printing Service
<i>Herbert T. Colvin</i>	Defense Printing Service
<i>Penny Humphrey</i>	Defense Printing Svc.
<i>Jay C. Booz</i>	Defense Printing Service
<i>Douglas J. Harvey</i>	

LEAD AND CO-LOCATED ACTIVITY EMPLOYEE SIGNATURES

Mike W. Runyon

B. Carol Jumper

Chris Hunter

Samuel L. Smith

Philip R. Anderson

William J. W.

James J. Smith

LEAD AND CO-LOCATED ACTIVITY EMPLOYEE SIGNATURES

*Donna Kye*

*Jacqueline Carson*

*Judith A. Sutoran*

*Debra J. Johns*

*Shirley M. Corso*

*Linda C. Edwards*

*Allen D. Kottman*

*Beigulde R. Donald*

LEAD AND CO-LOCATED ACTIVITY EMPLOYEE SIGNATURES

James C. Hensley

Harry E. Frankhouse Jr

Joseph M. Brennan

Robert L. Adalman

Randall Reed

Glenn L. Lowry

Christie A. Williams

Edward L. Moore

W. Robert Long

J 22



LEAD AND CO-LOCATED ACTIVITY EMPLOYEE SIGNATURES

Karen S. Kelfer

Thomas White

Shelby L. Mackey

Robert D. Kutner

John N. Greenawald III

Tami S. Hopkins

Lori Kieley

Charles W. Stone Jr

Debbie M. McFarvey

Mona Anderson

Jeffrey A. Miller

James Bersto

James A. Hoppersteel

LEAD AND CO-LOCATED ACTIVITY EMPLOYEE SIGNATURES

John P. Kluwe

Tony Puglisi

Landon Horn

Ken Utter

Harold M. Knard

Tim Wilson

Alisa S. Heinbaugh

Dorothy E. Ritter

Marquetta McFerrick

Jim Burwell

Carlynn Brady

Michelle S. Mackley

LEAD AND CO-LOCATED ACTIVITY EMPLOYEE SIGNATURES

Dennis O'Donnell Chambersburg, Pa

Richard J. Lawrence " "

John C. Tardak " "

Ann M. Murphy " "

Olivia Puchalski " "

Katherine M. Krueger " " " "

David A. Bulak CHAMBERSBURG, PA

Robert A. Gureff " "

Ben MacMillan Chambersburg PA

Richard D. Miller Chambersburg Pa.

John L. Metzger Chambersburg PA

John A. Sant SHIPPENSBURG, PA

Robert M. Stand-Miller Chambersburg, PA

[Empty lines for additional signatures]

LEAD AND CO-LOCATED ACTIVITY EMPLOYEE SIGNATURES

Lisa K. Heiny  
Kolin A. Potter

Helen C. Weaver

Julia Shytle  
Cindy Kuban

Brian Fisk

Walter S. Nelling

Margaine L. Bell

Susan J. Kunkle

Shirley J. Nelling

Marianne J. Hennings

Michelle L. Holden

Lisa Prosser

Carle S. Horn

Nadene M. Caswell

Donita K. Nowak

LEAD AND CO-LOCATED ACTIVITY EMPLOYEE SIGNATURES

Jeff Swartz Shippensburg, Pa

Judy McCoy Shippensburg, PA

Robert Krappman Shippensburg, PA

Alvin L. Miller Chambersburg, Pa.

Patricia Horne Upper Merion, Pa.

Susan Bender Chambersburg, Pa.

Ray A. Anderson Chambersburg, Pa. 17201

Susan Briggs Chambersburg, Pa.

Blank lined area for additional signatures.



LEAD AND CO-LOCATED ACTIVITY EMPLOYEE SIGNATURES

Job Star	CAZLESCO PA
Ray Albright	SHIPPENSBURG, PA.
Thym Rogers	Hagerstown, MD.
Robert F. Gubstal	Shippensburg, PA
Christine L. Miller	Chambersburg, PA
Robert O. White	Chambersburg, PA
David A. Miller	Cherry PA
Kenna Richards	McConnellsburg, Pa
Gwendolyn M. Pine	Mercersburg, PA
James R. Nagle	Chambersburg, PA
Bill Jones	Chambersburg, Pa
John M. Stayer	Wheaton, PA
Faye Reath	Shippensburg, PA
Marlene Walden	Chambersburg, PA
Robt. Mat	CHAMBERSBURG, PA
Debra R. Cline	St Thomas, PA



**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

Please refer to file number  
950411-421

ALAN J. DIXON, CHAIRMAN

COMMISSIONERS:

AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

April 12, 1995

Mr. Neil C. Cline  
1734 Blakewood Drive  
Chambersburg, Pennsylvania 17201

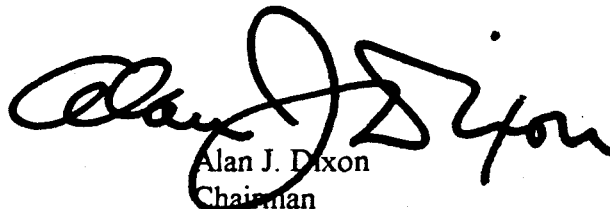
Dear Mr. Cline:

Thank you for forwarding a petition signed by employees from the Letterkenny Army Depot (LEAD) requesting visits to Letterkenny by additional Commissioners of the Defense Base Closure and Realignment Commission. I certainly understand the interest in the base closure and realignment process on the part of Letterkenny employees and welcome their comments.

At any time during this process community leaders are welcome to meet with Members of the Commission. Your inquiry regarding an additional Commissioner base visit to LEAD will be taken into consideration. Based on Commissioners' schedules, we will make every effort to accommodate your request.

I look forward to working with you during this difficult and challenging process. Please do not hesitate to contact me whenever you feel I may be of service.

Sincerely,



Alan J. Dixon  
Chairman

AJD:js



THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950411-5

FROM: ARMBRUSTER, WILLIAM A	TO: COX, REBECCA
TITLE: CHAIRMAN	TITLE: COMMISSIONER
ORGANIZATION: FT PICKETT SUPPORT GROUP	ORGANIZATION: DBCRC
INSTALLATION (S) DISCUSSED: FORT PICKETT	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX	⊙		
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL				COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
				COMMISSIONER ROBLES			
DIR./CONGRESSIONAL LIAISON		⊙		COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER	✓		
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER			
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR./INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature	⊙	Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature		Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

THANK YOU FOR VISITING BASE AND FORWARDING PETITION FROM BLACKSTONE PRIMARY SCHOOL IN SUPPORT OF FT PICKETT.

Due Date: 950418	Routing Date: 950411	Date Originated: 950406	Mail Date:
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**SHOWING OUR SUPPORT**

**FORT PICKETT SUPPORT GROUP  
108 SOUTH MAIN STREET  
BLACKSTONE, VA 23834**

**PHONE: (804) 292-5049 FAX: (804) 292-6650**

April 6, 1995

Please refer to this number  
when responding 950411-5

Mrs. Rebecca G. Cox, Commissioner  
Defense Base Closure and Realignment Commission  
1700 North Moore Street  
Suite 1425  
Arlington, VA 22209

Dear Mrs. Cox:

On behalf of the Fort Pickett Support Group, thank you for allowing us the opportunity to meet and to share with you the community views regarding the future of Fort Pickett. We remain confident in our belief in the importance of Fort Pickett to the present and future defense posture of our nation. We hope that we were able to convey that message to you and the BRAC staff members who were present for our community briefing.

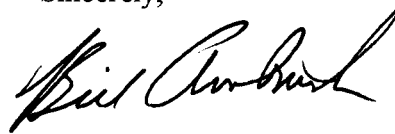
Your visit to Fort Pickett was a major event in the life of this community, local citizens, and the school children who were present in record numbers to welcome you. Students from the Blackstone Primary School sang a song, "This Fort is Our Fort", as part of their welcome to you. Because of the tight schedule you were unable to hear all of the song. I am pleased to include a copy with this letter.

I am also pleased to forward a petition prepared by one of the classes of the Blackstone Primary School. They had hoped to present this to you in person but, again, because of schedule constraints, that was not possible. Also enclosed is a sampling of various news items related to your visit that I thought might be of interest.

Mrs. Cox  
April 6, 1995  
Page 2

We simply want you to know how much we enjoyed meeting you and hope that you were able to recognize the sense of unity and pride we feel in our support of Fort Pickett. Please know that you will always be welcome in our community. We look forward to the opportunity to meet with you again.

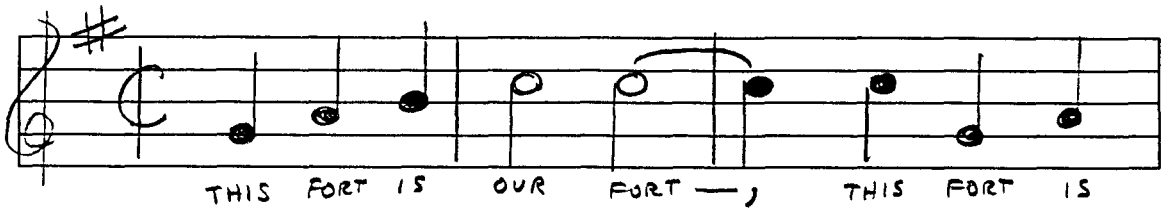
Sincerely,

A handwritten signature in black ink, appearing to read "Bill Armbruster". The signature is fluid and cursive, with a large initial "B" and "A".

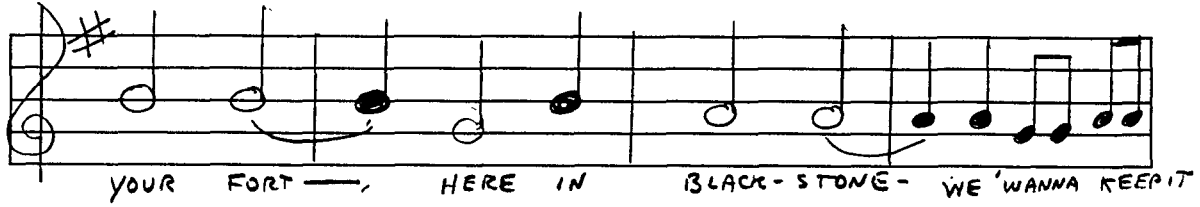
William A. "Bill" Armbruster, Chairman  
**FORT PICKETT SUPPORT GROUP**

THIS FORT IS OUR FORT

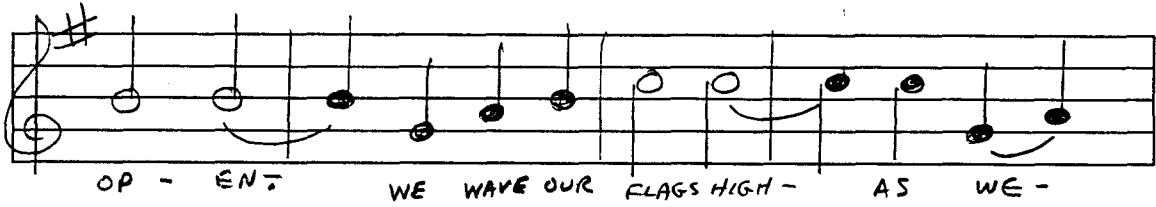
WOODY GUTHRIE  
ADAPTED BY GERRI SAWTELLE &  
LOWELL HARPER



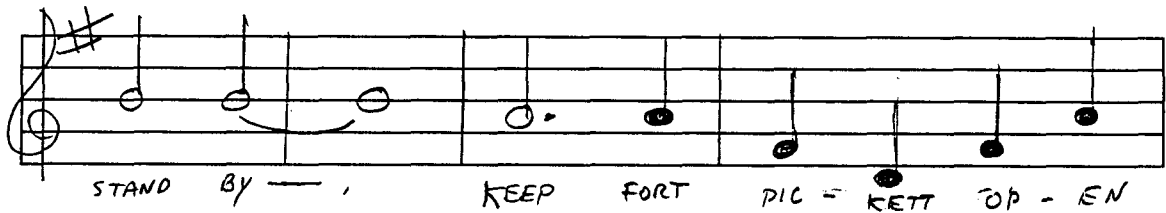
Musical staff 1: Treble clef, key signature of one sharp (F#), common time signature (C). The melody consists of quarter notes: G4, A4, B4, C5, B4, A4, G4, F#4, E4, D4. The lyrics are: THIS FORT IS OUR FORT —, THIS FORT IS



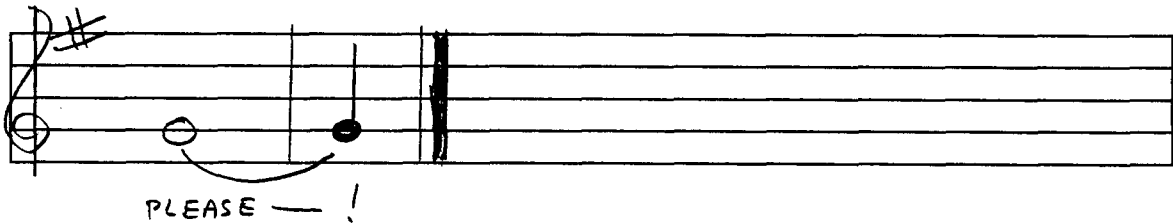
Musical staff 2: Treble clef, key signature of one sharp (F#), common time signature (C). The melody consists of quarter notes: C4, D4, E4, F#4, G4, A4, B4, C5, B4, A4, G4, F#4, E4, D4, C4. The lyrics are: YOUR FORT —, HERE IN BLACK-STONE- WE 'WANNA KEEP IT



Musical staff 3: Treble clef, key signature of one sharp (F#), common time signature (C). The melody consists of quarter notes: C4, D4, E4, F#4, G4, A4, B4, C5, B4, A4, G4, F#4, E4, D4, C4. The lyrics are: OP - ENT WE WAVE OUR FLAGS HIGH - AS WE -



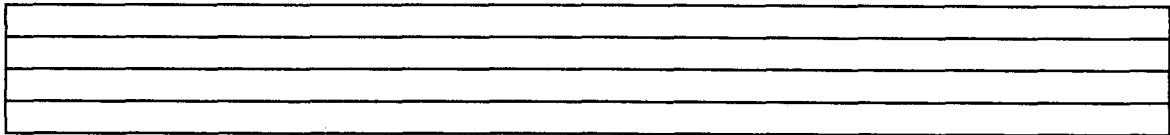
Musical staff 4: Treble clef, key signature of one sharp (F#), common time signature (C). The melody consists of quarter notes: C4, D4, E4, F#4, G4, A4, B4, C5, B4, A4, G4, F#4, E4, D4, C4. The lyrics are: STAND BY —, KEEP FORT PIC - KETT OP - EN



Musical staff 5: Treble clef, key signature of one sharp (F#), common time signature (C). The melody consists of quarter notes: C4, D4, E4, F#4, G4, A4, B4, C5, B4, A4, G4, F#4, E4, D4, C4. The lyrics are: PLEASE — !



Empty musical staff 6: Treble clef, key signature of one sharp (F#), common time signature (C).



Empty musical staff 7: Treble clef, key signature of one sharp (F#), common time signature (C).



Empty musical staff 8: Treble clef, key signature of one sharp (F#), common time signature (C).

We the undersigned respectfully request that Fort Pickett be kept open for the following reasons:

1. Many businesses in the town of Blackstone will close.
2. People will lose their jobs.
3. Many of our family and friends will have to move away to find jobs.
4. Our school works with Fort Pickett on Community Service projects such as the Canned Food Drive.
5. The safety of our country will be affected.
6. The airfield at Fort Pickett is one of exceptional value.
7. Fort Pickett provides many community activities that are not found anywhere else in our community.

Phillip Brooker

DMarcus DAVIS

Josh Gibbs

Kasey Goad

John Gregory

Shaun Hardy

Michael Haren

Lameta Herman

Brittany

Deborah Johnson

Jessica Kempainen

Alphonso Uengble

Jessica Lusk

Nicole Parker

Brian Poe

Dustin Shepherd

Monica Taylor

Carmel White

Jason Boswell

Deshane Henderson We Love You

Ronald B. Hogg

Michelle Wendel

Corey Lee Bowman

Michael Tucker

Joey Gibbs

Brittany Arthur  
Teiera A. Tucker

Shavonda Beasley

Laranea Ross

Jennifer Abernathy

Justin Nelson We love you

Mrs. Anita Brown

Crystal Hardy

Jeremiah

Crystal McFarland

Dameon T. Johnson

Lindsey Puryear

Michael Gee

Kristin Hardaway

Candace Bowden

Dana Wood

Shashya Bassfield

Kelsie Norton

Treacy Clark

Chris S.

DEVIN CLARK

Charlie's Knight

Devina

Larry Booth

Barry Tucker

Chaicy Patterson

James Tucker

Megan Thomas

Kathryn Ruth Abernathy  
Bob Leon Orendorf  
Lorice & Guanis Jackson

Debbie Rhodes

Laura Barrett

Sterling Cole

Peter Melling

Latashun Marie Woods  
James Lohr

Olivia Orendorf

Kevin Ray Faison

Lastarra Bossfeld

Carol Payne

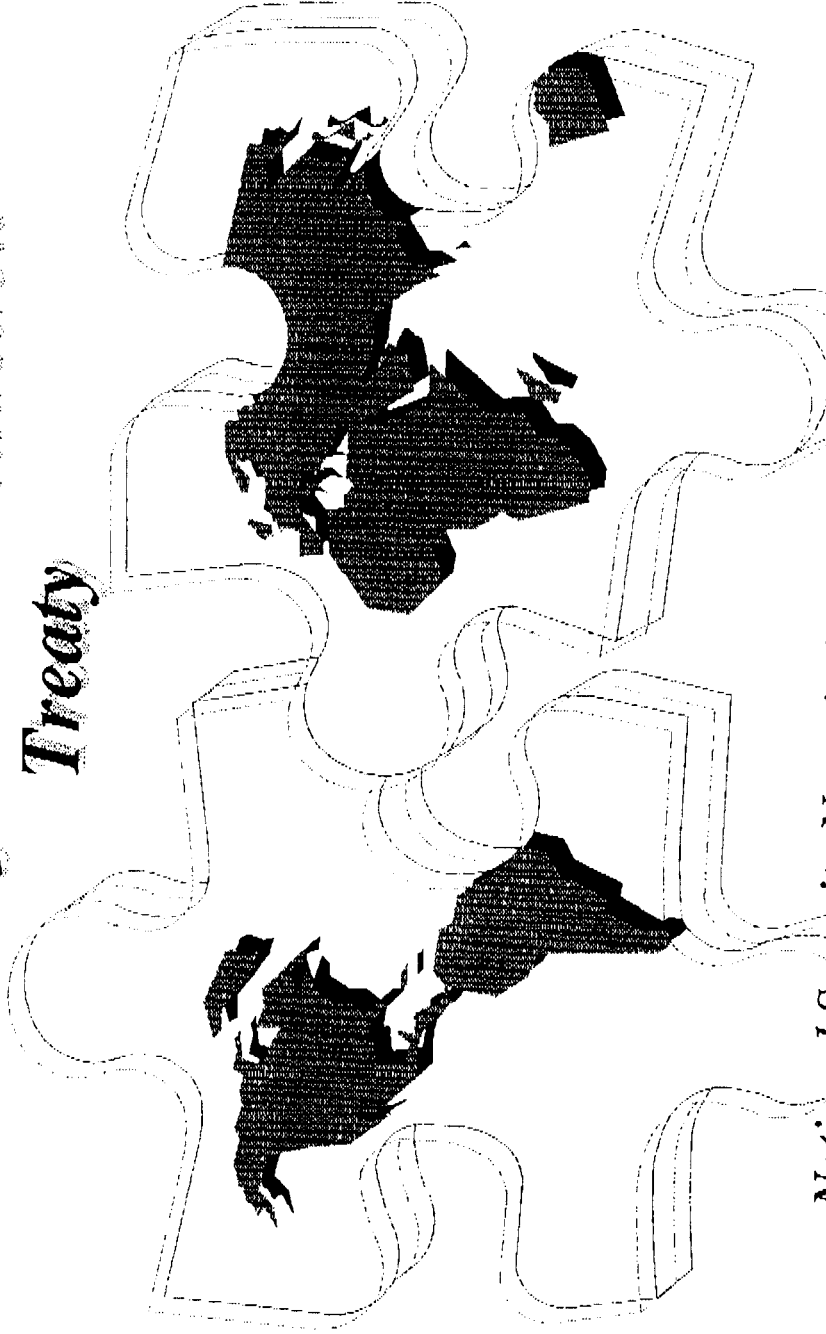
Megan Orendorf

James

Fitzgeraldo

# **START I**

## **Strategic Arms Reduction Treaty**



**National Security Negotiations Division (AF/XOXI)**  
**“Putting All the Peaces Together!”**

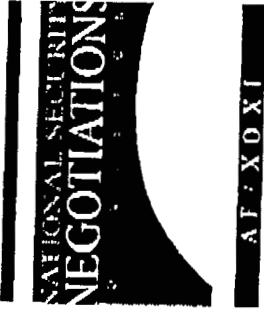




# **TREATY OBLIGATIONS**



- **REQUIRES REDUCTIONS IN DEPLOYED STRATEGIC OFFENSIVE ARMS (SOA)**
  - INCLUDES SCHEDULES AND DETAILED PROCEDURES
- **CREATES AN ACCOUNTABILITY REGIME FOR SOA**
  - WHAT COUNTS AND HOW IT COUNTS
  - WHEN IT COUNTS
  - WHERE IT CAN BE LOCATED
  - HOW IT CAN BE BASED AND OPERATED
- **REGULATES TESTING AND MODERNIZATION**
- **CREATES A VERIFICATION REGIME TO HELP ENSURE COMPLIANCE**
- **TREATY DURATION 15 YEARS + 5 YEAR INCREMENTS**



## OF CARRYING LRNA

s)

## IMENT POINTS

### RAMES AT AMARC

s, fuselage)

on completed 15 Dec 94

ed basis, Spring 95

# START II

## Treaty on Further Reduction and Limitation of Strategic Offensive Arms



National Security Negotiations Division (AF/XOXI)  
"Putting All the Peaces Together!"



# Warhead Limits



★ TOTAL WARHEADS	7 Years After START EIF	1 Jan 2003
	4250	3500

(WARHEAD SUBLIMITS)

SLBMs	2160	1750
MIRVed ICBMs	1200	0
HEAVY ICBMs	650	0

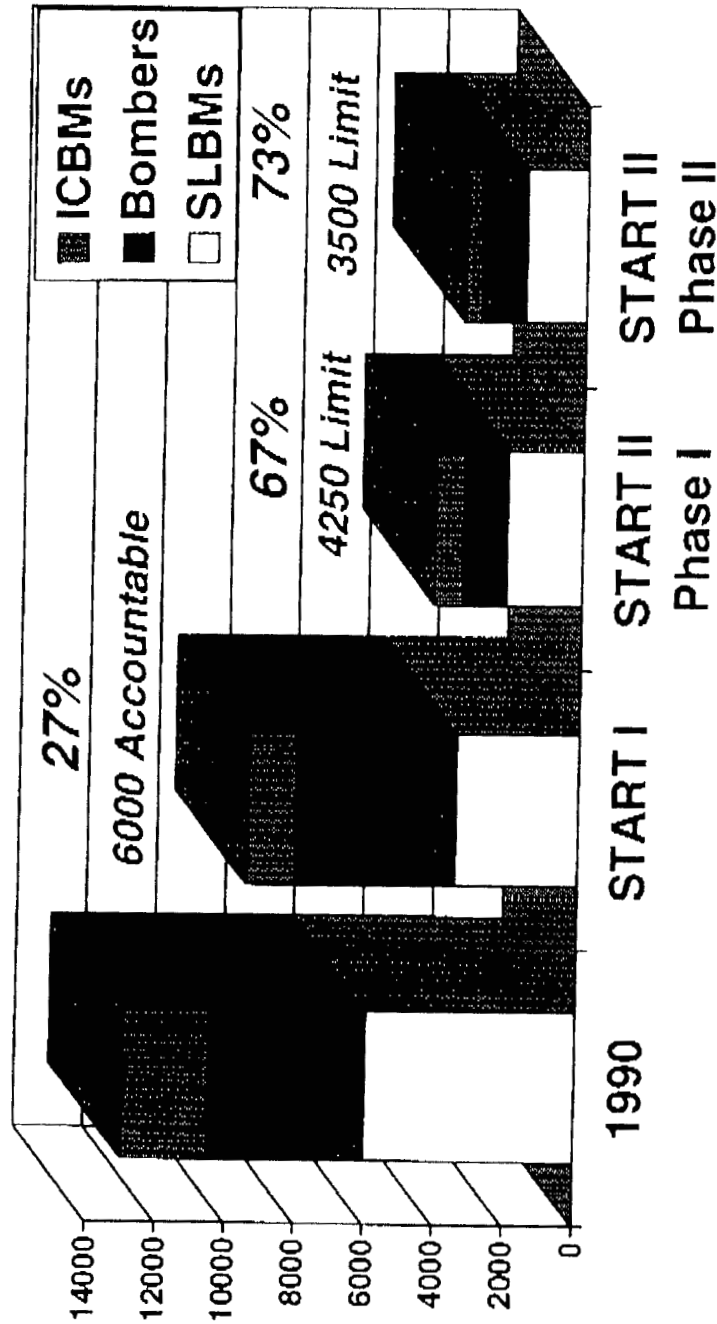
6:07 P. 06/12  
Apr 10 '95  
Fax: 703-614-4338  
HQ OSHF/XOXI



# US Nuclear Force



## Strategic Warheads



Percentages represent actual weapons reduction from the 1990 baseline of 13,000 warheads.



# Heavy Bomber Rules

NATIONAL SECURITY  
NEGOTIATIONS

AF: XOXI

Apr 10 '95

Fax: 703-614-4338

HO USHF/XOXI

- **Warhead Count Based on Actual Equipage**
  - Each Weapon Carried Counts Toward Treaty Limits
  - Actual Equipage DECLARED in MOA
  - Each Party AGREES NOT TO EQUIP with Weapons Greater than Listed in MOA
- **Technical Exhibition of B-2, B-1B, B-52 Required Not Later Than 180 Days after START II Entry Into Force**
  - Exhibition Is Demonstration of Number of Weapons Specified in MOA
- **Parties Allowed To Change Number of Weapons Specified in MOA with:**
  - 90-Day Notice of Intent
  - Technical Exhibition



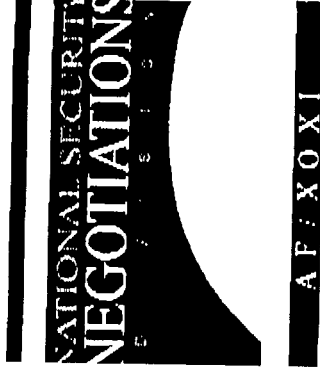
# *Heavy Bomber Reorientation*



- *Permitted to Reorient 100 Heavy Bombers to Conventional Roles*
  - *Never START Accountable as LRNA Carriers*
  - *No Conversion Procedures Required*
  - *Requires Separate Basing From Nuclear Heavy Bombers*
  - *Can Be Used Only for Non-Nuclear Missions*
  - *Can Not Be Used For Nuclear Exercises*
  - *Aircrews Can Not Train or Exercise for Nuclear Missions*



# Heavy Bomber Reorientation (cont)

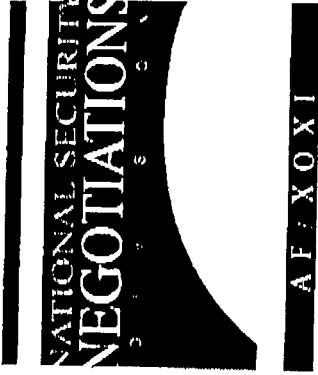


- **Reoriented Bombers Must Have Differences OBSERVABLE to NTM and VISIBLE During Inspection**
  
- **Reoriented Bombers Permitted to Return to Nuclear Roles**
  - 90-Day Notification of Intent
  - CAN NOT Be Subsequently Returned to Conventional Role
  - Must Have Observable and Visible Differences from Bombers that Were Reoriented and Bombers Not Reoriented





# ICBM Rules



- **Requires Elimination or Conversion of All MIRVed ICBMs**
  - **Permits Downloading of 105 SS-19 Missiles to Single RV**
- **Requires Elimination of all Heavy ICBMs and Their Launch Canisters**
- **Permits Conversion of 90 SS-18 ICBM Silos**
  - **Converted Silos Must Be Loaded with SS-25-Class Missiles**
- **Provides the Right to Inspect Heavy ICBM Elimination and Silo Conversion**
- **Prohibits Heavy ICBM Transfer to Any Recipient, Including Other Parties of START I**



# **TREATY LIMITS**



P. 01/09  
6:13

Apr 10 '95

Fax: 703-614-4338

HQ USHF/XOXI

**600 - STRATEGIC NUCLEAR DELIVERY VEHICLES**

**1000 - ACCOUNTABLE WARHEADS**

**900 - BALLISTIC MISSILE WARHEADS**

- 1540 - FSU HEAVY ICBM WARHEADS (SS-18)
- 1100 - DEPLOYED MOBILE ICBM WARHEADS

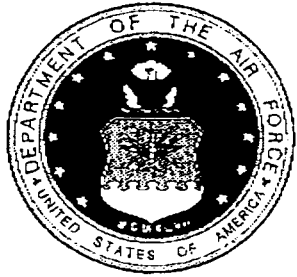
**600 - METRIC TON THROW WEIGHT CEILING**

**1000 WARHEAD COUNT ON 150 US LRNA BOMBERS**

- ATTRIBUTED AS EQUIPPED AFTER 150
- ATTRIBUTED AS 1 FOR NON-LRNA BOMBERS

**1000 WARHEAD COUNT ON 180 FSU LRNA BOMBERS**

- ATTRIBUTED AS EQUIPPED AFTER 180
- ATTRIBUTED AS 1 FOR NON-LRNA BOMBERS



# ***INSPECTIONS***



- **TOTAL USAF FACILITIES AFFECTED - 24**
- **NINE DIFFERENT INSPECTION TYPES**
- **BEGIN NO EARLIER THAN EIF +45 DAYS**
  - BASELINE AT ALL DECLARED FACILITIES
  - QUOTA - NO MORE THAN 25 PER YEAR, NOT ALL USAF
- **READINESS - MOCK INSPECTIONS**



# **TYPES OF INSPECTION**



- **BASELINE DATA** - +45-120 DAYS AFTER EIF - CONFIRM MOU DATA
- **DATA UPDATE** - CONFIRM MOU DATA, ANNUAL QUOTA = 15
- **SUSPECT SITE** - RESOLVE COMPLIANCE CONCERN OF COVERT ASSEMBLY OF MOBILE ICBMs
- **RE-ENTRY VEHICLE ON-SITE INSPECTION (RVOSI)** - CONFIRMS ICBM/SLBM RV ATTRIBUTION, ANNUAL QUOTA = 10
- **NEW FACILITY** - INSPECT NEWLY DECLARED FACILITY
- **POST DISPERSAL** - FOR MOBILE ICBMs (*NO AFFECT IN US*)
- **CONVERSION OR ELIMINATION (C or E)** - CONFIRM C OR E OF TREATY ACCOUNTABLE ITEMS (TAI)
- **CLOSEOUT** - CONFIRM WITHDRAWAL OF TAI FROM FACILITY
- **FORMERLY DECLARED FACILITY** - CONFIRM CONTINUED ELIMINATION STANDARDS ARE MET



# AFFECTED USAF FACILITIES

NATIONAL SECURITY  
NEGOTIATIONS

AF XDXI

## ACC

- ELLSWORTH
- WHITEMAN
- MINOT
- BARKSDALE
- CARSWELL
- CASTLE
- EAKER
- GRIFFISS
- K I SAWYER
- WURTSMITH
- DYESS
- LORING

## AMC

- GRAND FORKS
- FAIRCHILD
- McCONNELL

## AFMC

- HILL
- OASIS
- NAVAJO DEPOT
- THIOKOL CORP.
- AEROJET CORP.
- AMARC

## AFSPACECOM

- FE WARREN
- VANDENBERG
- MALMSTROM

Underlined bases no longer have TAIs



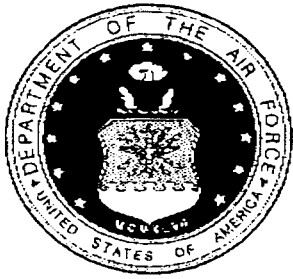
# NOTIFICATIONS

NATIONAL SECURITY  
NEGOTIATIONS

AF : XOXI

- MONITORS ACTIVITIES OF TREATY ACCOUNTABLE ITEMS - CRADLE TO GRAVE
  - IN-PLACE AND CURRENTLY RUNNING
  - INTERFACES NATIONAL LEVEL SYSTEM (SCDS)
  - PASSES INFORMATION TO NRRC, THEN FSU
  - PROVIDES LOCATIONS, CONVERSION / ELIM. INFO
  - AUTOMATICALLY UPDATES MOU DATA BASE

**AF SYSTEM - "START TRACKING AND REPORTING SYSTEM (STARS)"**



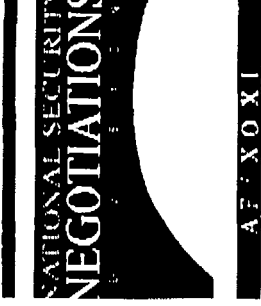
# *De-MIRVing / DOWNLOADING*



- **TREATY ALLOWS DOWNLOADING UP TO:**
  - 3 MISSILE TYPES (ICBM AND/OR SLBM)
  - A MAXIMUM OF 1,250 RVs
- **MINUTEMAN III -- 3 WARHEADS TO 1 WARHEAD**
  - REQUIRES NEW RV PLATFORM
  - SCHEDULED FOR CY 2000 COMPLETION



# MINUTEMAN II SILO DESTRUCTION



- **TREATY ALLOWS 2 OPTIONS - EXPLOSION (6 meters)  
OR EXCAVATION (8 meters)**
  - Explosive option is being used
- **300 SILOS - ELLSWORTH and WHITEMAN**
  - Elimination at both bases has begun





# **BOMBER MODIFICATION**



## **B-1**

- **WEAPONS BAYS INCAPABLE OF CARRYING LRNA**  
(bulkhead position in forward bays)
  - Completed
- **COVERING OF PYLON ATTACHMENT POINTS**  
(process equivalent to welding)
  - Completed

## **B-52**

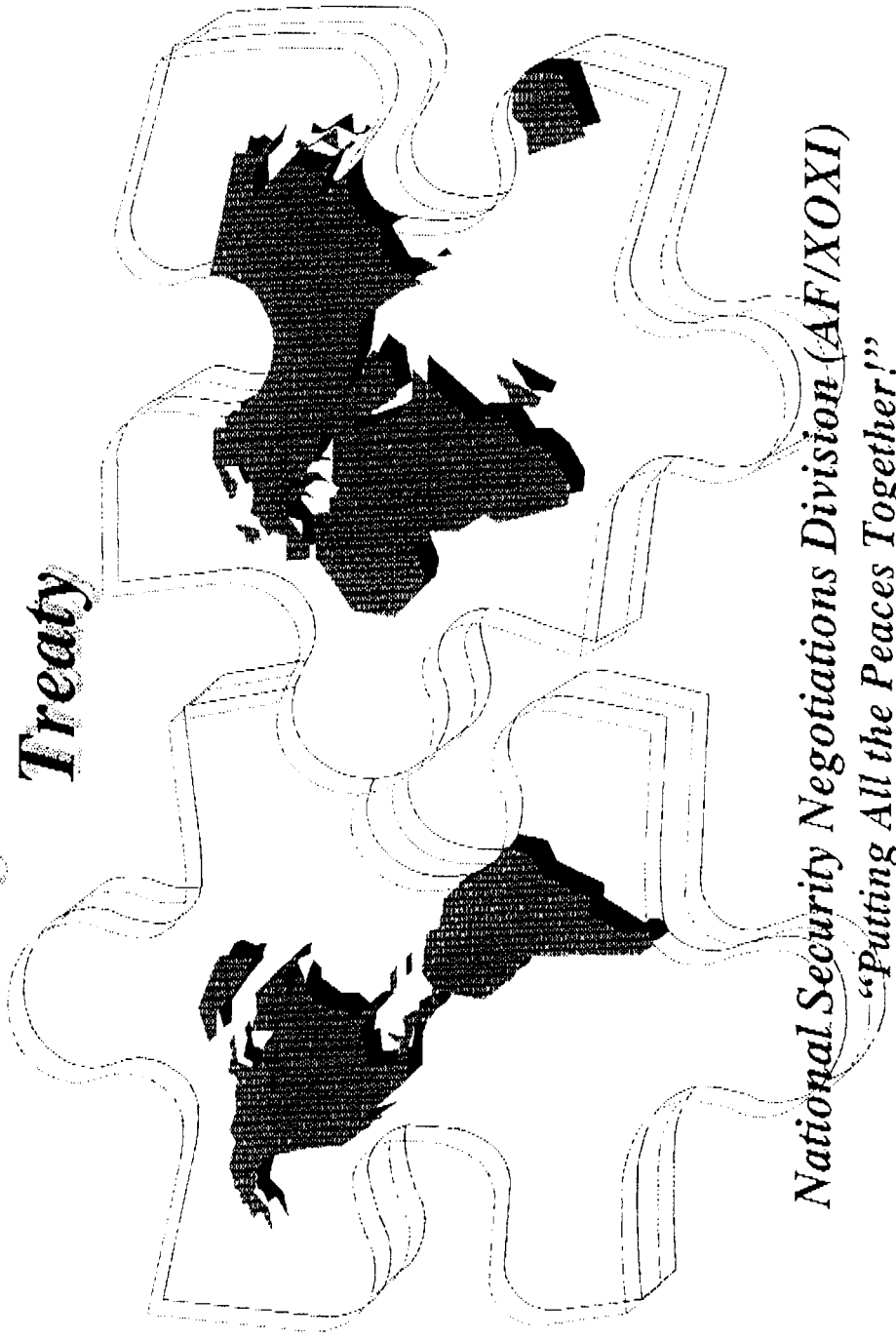
- **ELIMINATION OF OLDER AIRFRAMES AT AMARC**  
(four cuts with guillotine: tail, wings, fuselage)
  - C, D, E and F model elimination completed 15 Dec 94
  - G model elimination, on a limited basis, Spring 95



T N T I T I

# *START I*

## *Strategic Arms Reduction Treaty*



*National Security Negotiations Division (AF/XOXI)*  
*“Putting All the Peaces Together!”*



# **TREATY BACKGROUND**



TREATY TALKS BEGAN IN MID - 1982

NEGOTIATIONS LESS THAN CORDIAL AT FIRST

- DIRECT INTERVENTION OF PRESIDENT AND SEC. OF STATE KEPT NEGOTIATIONS ON TRACK

TREATY SIGNED AT MOSCOW SUMMIT, 31 JUL 91

TREATY ENTRY INTO FORCE, 5 DEC 94

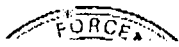
• U.S. - 1

• RUSSIA

• KAZAKH.

• BELARUS

• UKRAINE



# RATIFICATION STATUS

NATIONAL SECURITY  
NEGOTIATIONS

AF XOXI

1 OCT 92 SENATE VOTE (93-6) WITH 8 CONDITIONS /  
6 DECLARATIONS

4 NOV 92 SUPREME SOVIET RATIFICATION VOTE  
(157-1), 1 CONDITION (LISBON PROTOCOL)

HSTAN - 2 JUL 92 RATIFIED TREATY, 13 DEC 93

ACCEDE TO NPT AS NON-NUCLEAR

JS - 4 FEB 93 (222-1) INCLUDED LISBON PROTOCOL,

VOTED 221-0 TO ACCEDE TO NPT AS NON-NUCLEAR

E - 4 FEB 94 RATIFIED TREATY WITHOUT CONDITIONS

☆☆ RUSSIA, BELARUS, UKRAINE & KAZAKHSTAN ☆☆  
ARE SUCCESSOR STATES TO SOVIET UNION,  
ASSUMING ALL LEGAL OBLIGATIONS UNDER START



# **TREATY OBLIGATIONS**



- **REQUIRES REDUCTIONS IN DEPLOYED STRATEGIC OFFENSIVE ARMS (SOA)**
  - INCLUDES SCHEDULES AND DETAILED PROCEDURES
- **CREATES AN ACCOUNTABILITY REGIME FOR SOA**
  - WHAT COUNTS AND HOW IT COUNTS
  - WHEN IT COUNTS
  - WHERE IT CAN BE LOCATED
  - HOW IT CAN BE BASED AND OPERATED
- **REGULATES TESTING AND MODERNIZATION**
- **CREATES A VERIFICATION REGIME TO HELP ENSURE COMPLIANCE**
- **TREATY DURATION 15 YEARS + 5 YEAR INCREMENTS**



# **TREATY REQUIREMENTS**



- LIMITS MET BY 7 YEAR POINT; 3, 5 YEAR PHASE POINTS
- ALLOWS DISCOUNTED HEAVY BOMBER WARHEAD COUNT
- ALLOWS FOR De-MIRVing MM III TO ONE RV
- PEACEKEEPER TREATED AS MOBILE ICBM
- VERIFICATION REGIMES VERY IMPORTANT
  - NTM - ALLOWS USE & NON-INTERFERENCE
  - TELEMETRY - FULL ACCESS TO FLIGHT TEST INFO
  - CONTINUOUS MONITORING - 24 HOUR PPCM
  - ON-SITE INSPECTIONS - NINE TYPES
  - COMPLIANCE RESOLUTION - FORUM IS THE JOINT COMPLIANCE & INSPECTION COMMISSION (JCIC)

ERIC JONES

Tracey Merritt

Jessica Fore

Cierra Rhodes

Tasha Dagner

Michael

Jeshurun DeBevoise

Samantha Hart

Holly Armes

Jennifer Deby

Richard Ferguson

Cedric Coleman

Ashley Hudgins

Antonio Evans

Latorya Tisdale

Will McGraw

Shakita Vaughn

Tiffany Noblin

Jacob Dalton

John Peter Ferouson

Don't know who email

Michael Banks  
Whitney Peebles  
Chanted Banks  
Dare Shephard

KEISSY (baby)

Megann Taylor  
Come on Anthony Ray

Raashawn Wilson

JCAFOWIKES

Jerrand Delmar

Kenneth Cundiff  
Kate Nash

LEE Bry

Darrell Rhoads  
Matthew Freitag

Braina M. Ocasio

Joseph Jefferson  
Eric Wolff

Tiffany

Robert Jones

Lawrence

Tyring

Tangie  
Oliver

Steph

Stephanie Ortega  
Jamie Adkins



Joy Hatcher

~~The~~ Precious Battle  
Langston Anderson

Joseph Trent

Tyllia Oliver

Matt McKoy

Melody Cross

Mark Longest

Chris White

Stephanie Collins

Michael Walker

Kendra Anderson

Octavia Anderson

Monica Stahler

Wilbert Cabbins

Keisha ...

Franklin Midkiff

Scott ...

...

Damir Avans

Beardy Scattere ...

Heaven Smith

Foot ...

...

Bhand Jones

Michael Jefferson

Horace Tracy

Rhonda Boswell

Rikedia Bolden

Richard

Carvas

Chrysten Lynn Hardy

Zachary L Bergerding

Stevenc Young

Lakeisha Monique Taylor

Marcella Cabbins

Dietra Baker

Jessica Worley

Christin

Mark Dalton

Jeremy DePuy

Jason Tucker

Victoria Moore

Surah Estes

Tyreo Vaughan

Paul Blair

Senethia Bragg

Doug Walker

Kelly Small

Nicky Cyan

Heather Major

Patricia White

Tremaine Howard

Dominique Hardy

Brandy Westbrook

Brandon Bowman

Blake Foster

Cyrus Wesley

Charisha Hicks

Ashley Cundiff

Christina Goyner

Dale Stewart

Patricia Montoya

Christina Fields

Chelsea Mokee

Brandon Wilson

Terrie Hazelwood

Kyatte Morgan

Ashley Myers

Lewis Stucky

Deiree Woodley

Corey Branch

Kimberly

CHUCKIE BROWN

Mark Williams

Joey Taylor

Ryan G. McDaniel

Valerie McFarland

Michael Runion

Adolphus Quarles Jr

William Barrett

~~Dashawn~~ Foyles

Andre Woliver

Aera Blackwell

Brandon Danzel

Zerbarq

Jon Warden

Tina Dick

Fallah Bennett

Syconia Mitchell

Marquita Johnson

**JULIE CROWE**



**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

Please refer to this number  
when responding 950411-SR1

ALAN J. DIXON, CHAIRMAN

COMMISSIONERS:

AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

April 12, 1995

Mr. William A. "Bill" Armbruster  
Chairman, Ft. Pickett Support Group  
108 South Main Street  
Blackstone, Virginia 23834

Dear Mr. Armbruster:

Thank you for your recent letter concerning Fort Pickett. The briefings and discussions with the congressional officials and the community during my recent visit to Fort Pickett provided the Commission a great deal of information that will be helpful as we carry out our review of the recommendations of the Secretary of Defense.

I appreciate your sending me a copy of the petition signed by students from the Blackstone Primary School. I regret that my schedule did not permit me to hear the students finish singing "This Fort is Our Fort," and I appreciate your providing me with a copy of the song. A copy will also be placed in the Commission's library.

I look forward to working with you during this difficult and challenging process. Please do not hesitate to contact me if I can be of additional assistance.

Sincerely,

Rebecca G. Cox  
Commissioner

RGC:cw

*I enjoyed the visit -  
thank you for all your help  
- R*

THE DEFENSE BASE CLOSE AND REALIGNMENT COMMISSION  
 EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 9504116

FROM: CORNELIA, AL  
 TITLE: COMMISSIONER  
 ORGANIZATION: DBCRC  
 TO: McCRACKEN, WILLIAM L  
 TITLE: COMMANDER (CAPT)  
 ORGANIZATION: NAAC AIRCRAFT DIVISION  
 INSTALLATION (S) DISCUSSED: NAAC - W. ARMMASTER

OFFICE OF THE CHAIRMAN		FYI	ACTION	INT
CHAIRMAN DEON				
STAFF DIRECTOR		✓		
EXECUTIVE DIRECTOR		✓		
GENERAL COUNSEL				
MILITARY EXECUTIVE				
DIR/CONGRESSIONAL LIAISON		✓		
DIR/COMMUNICATIONS				
EXECUTIVE SECRETARIAT				
DIRECTOR OF ADMINISTRATION				
CHIEF FINANCIAL OFFICER				
DIRECTOR OF TRAVEL				
DIR/INFORMATION SERVICES				

COMMISSION MEMBERS		FYI	ACTION	INT
COMMISSIONER CORVELLA				
COMMISSIONER COX				
COMMISSIONER DAVIS				
COMMISSIONER KING				
COMMISSIONER MONTYA				
COMMISSIONER ROBLES				
COMMISSIONER STEELE				
REVIEW AND ANALYSIS				
DIRECTOR OF R & A				
ARMY TEAM LEADER				
NAVY TEAM LEADER				
AIR FORCE TEAM LEADER				
INTERAGENCY TEAM LEADER				
CROSS SERVICE TEAM LEADER				

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature		
Prepare Reply for Staff Director's Signature		
Prepare Direct Response		
FYI		

Subject/Remarks: THANK YOU FOR ASSISTANCE DURING VISIT TO NAAC W. ARMMASTER

Due Date: \_\_\_\_\_  
 Routing Date: 950411  
 Date Originated: 950410  
 Mail Date: 950410



**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**  
1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

ALAN J. DIXON, CHAIRMAN

April 10, 1995

COMMISSIONERS:  
AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

CAPT William L. McCracken  
Commander, Naval Air Warfare Center  
Aircraft Division  
Warminster, PA 18974

Please refer to this number  
when recording 950411-6

Dear CAPT McCracken:

I want to thank you for all your assistance during my recent visit to NAWC-Warminster. The briefings and discussions with you and your staff provided us with a great deal of valuable information about the operations of the Center. This information will be very helpful to the Commission as we carry out our review of the recommendations of the Secretary of Defense in the months ahead.

Please extend my appreciation to the members of your staff for their assistance. The briefings and tours conducted by Stuart Simon, Herb Seligman and Tom Milhous were very informative. The assistance provided by Maureen Talley is also very much appreciated.

Sincerely,

Al Cornella  
Commissioner

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950411-7

FROM: DAUIS, J. B.	TO: ANDREWS, JAMES E.
TITLE: COMMISSIONER	TITLE: COMMANDER
ORGANIZATION: DBCRC	ORGANIZATION: 319 <sup>th</sup> AIR REFUELING WING
INSTALLATION (s) DISCUSSED: GRAND FORKS AFB	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INIT	COMMISSION MEMBERS	FYI	ACTION	INIT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL				COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOKA			
				COMMISSIONER ROBLES			
DIR./CONGRESSIONAL LIAISON	✓			COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A			
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER			
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR./INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature		Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

THANK YOU FOR ASSISTANCE DURING VISIT.

Due Date:	Routing Date: 950411	Date Originated: 950406	Mail Date: 950411
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**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425

ARLINGTON, VA 22209

703-696-0504

ALAN J. DIXON, CHAIRMAN

April 6, 1995

**COMMISSIONERS:**

AL CORNELLA

REBECCA COX

GEN J. B. DAVIS, USAF (RET)

S. LEE KLING

RADM BENJAMIN F. MONTOYA, USN (RET)

MG JOSUE ROBLES, JR., USA (RET)

WENDI LOUISE STEELE

Brigadier General James E. Andrews

Commander

319th Air Refueling Wing

Grand Forks AFB, ND 58205-6231

Please refer to this number  
when responding 950411-7

Dear General Andrews:

I want to thank you for all of your assistance during my recent visit to Grand Forks Air Force Base. The briefings and discussions with you, your staff, and community and congressional officials provided a great deal of valuable information about the operations of Grand Forks Air Force Base. This information will be very helpful to the Commission as we carry out our review of the recommendations of the Secretary of Defense in the months ahead.

Please extend my appreciation to the members of your staff for their assistance. The briefings and tours conducted by Capt Gary Wheeler, Capt Bob Boman, Maj Phil Waring, 2Lt Randall Warring, Mr. Jim Powell, and Col Larry Turner were very informative. I would also like to thank Maj Ken Apple and Capt Frank Horton for their efforts in planning and coordinating the base visit.

Sincerely,

J.B. Davis  
Commissioner



**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425

ARLINGTON, VA 22209

703-696-0504

ALAN J. DIXON, CHAIRMAN

April 7, 1995

**COMMISSIONERS:**

AL CORNELLA

REBECCA COX

GEN J. B. DAVIS, USAF (RET)

S. LEE KLING

RADM BENJAMIN F. MONTOYA, USN (RET)

MG JOSUE ROBLES, JR., USA (RET)

WENDI LOUISE STEELE

Colonel John Gibeau  
Commander  
321st Missile Group  
Grand Forks AFB, ND 58205-6023

Please refer to this number  
when recording 950411-7

Dear Colonel Gibeau:

I want to thank you for all of your assistance during my recent visit to Grand Forks Air Force Base. The briefings and discussions with you, your staff, and community and congressional officials provided a great deal of valuable information about the operations of Grand Forks Air Force Base and the 321st Missile Group. This information will be very helpful to the Commission as we carry out our review of the recommendations of the Secretary of Defense in the months ahead.

Please extend my appreciation to the members of your staff for their assistance. The briefings and tours conducted by Capt Liza Romero, 1Lt Christine Karpel, 1Lt Michael Deselich, 2Lt Russell Smith, TSgt Matthew Amsden, SSgt David Chaffee, and Capt Bob Boman were very informative. I would also like to thank LtCol Ken Jewett and Capt Len Bane for their efforts in planning and coordinating the base visit.

Sincerely,

J.B. Davis  
Commissioner



**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**  
1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

ALAN J. DIXON, CHAIRMAN

April 6, 1995

COMMISSIONERS:  
AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

Honorable Michael Polovitz  
Mayor of the City of Grand Forks  
P.O. Box 1518  
Grand Forks, ND 58206

Please refer to this number  
when recording 950411-7

Dear Mayor Polovitz:

I want to thank you for all of your assistance during my recent visit to Grand Forks Air Force Base. The discussions with you and other community leaders provided a great deal of valuable information about the base and its importance to the Grand Forks community. This information will be very helpful to the Commission as we carry out our review of the recommendations of the Secretary of Defense in the months ahead.

I can assure you that each of your concerns and recommendations will be given full consideration during the Commission's deliberations.

Sincerely,

J.B. Davis  
Commissioner



**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**  
1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

April 6, 1995

ALAN J. DIXON, CHAIRMAN

COMMISSIONERS:  
AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

Mr. F. John Marshall  
Letnes, Marshall, Fledler & Clapp, Inc.  
410 DeMers Avenue, Suite 202  
Grand Forks, ND 58206-1950

Please refer to this number  
when responding 950411-7

Dear Mr. Marshall:

I want to thank you for all of your assistance during my recent visit to Grand Forks Air Force Base. The discussions with you and other community leaders provided a great deal of valuable information about the base and its importance to the Grand Forks community. This information will be very helpful to the Commission as we carry out our review of the recommendations of the Secretary of Defense in the months ahead.

I can assure you that each of your concerns and recommendations will be given full consideration during the Commission's deliberations.

Sincerely,

J.B. Davis  
Commissioner

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950411-8

FROM: DAVIS, U.B.	TO: PASINI, RALPH
TITLE: COMMISSIONER	TITLE: COMMANDER
ORGANIZATION: DBCRC	ORGANIZATION: 5TH BOMB WING
INSTALLATION (S) DISCUSSED: MINOT AFB	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL				COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOKA			
				COMMISSIONER ROBLES			
DIR./CONGRESSIONAL LIAISON	✓			COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A			
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER			
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR./INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature		Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

THANK YOU FOR ASSISTANCE DURING VISIT TO MINOT AFB.

Due Date:	Routing Date: 950411	Date Originated: 950406	Mail Date: 950410
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**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**  
1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

April 6, 1995

ALAN J. DIXON, CHAIRMAN

COMMISSIONERS:  
AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

Colonel Ralph Pasini  
Commander  
5th Bomb Wing  
Minot AFB, ND 58705-5049

Please refer to this number  
when responding 9150411-8

Dear Colonel Pasini:

I want to thank you for all of your assistance during my recent visit to Minot Air Force Base. The briefings and discussions with you, your staff, and community and congressional officials provided a great deal of valuable information about the operations of Minot Air Force Base. This information will be very helpful to the Commission as we carry out our review of the recommendations of the Secretary of Defense in the months ahead.

Please extend my appreciation to the members of your staff for their assistance. The briefings and tours conducted by Col Curt Bedke, Mr. Kevin Nelson and Col (Sel) Sandy Chesney were very informative. I would also like to thank Capt Mohammed Khan, Jr., 1Lt William Young, Jr., TSgt Tammy Folsom, SSgt Dalton Lemelle, and SrA Cale Collier for their efforts in planning and coordinating the base visit.

Sincerely,

J.B. Davis  
Commissioner



**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**  
1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

April 6, 1995

ALAN J. DIXON, CHAIRMAN

COMMISSIONERS:  
AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

Honorable Orlin Backes  
Mayor of the City of Minot  
515 2nd Avenue S.W.  
Minot, ND 58703

Please refer to this number  
when responding 950411-8

Dear Mayor Backes:

I want to thank you for all of your assistance during my recent visit to Minot Air Force Base. The discussions with you and other community leaders provided a great deal of valuable information about the base and its importance to the Minot community. This information will be very helpful to the Commission as we carry out our review of the recommendations of the Secretary of Defense in the months ahead.

I can assure you that each of your concerns and recommendations will be given full consideration during the Commission's deliberations.

Sincerely,

J.B. Davis  
Commissioner



**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425

ARLINGTON, VA 22209

703-696-0504

ALAN J. DIXON, CHAIRMAN

April 6, 1995

COMMISSIONERS:

AL CORNELLA

REBECCA COX

GEN J. B. DAVIS, USAF (RET)

S. LEE KLING

RADM BENJAMIN F. MONTOYA, USN (RET)

MG JOSUE ROBLES, JR., USA (RET)

WENDI LOUISE STEELE

Mr. John L. MacMartin  
President  
Minot Area Chamber of Commerce  
P.O. Box 940  
Minot, ND 58703

Please refer to this number  
when responding 950411-8

Dear Mr. MacMartin:

I want to thank you for all of your assistance during my recent visit to Minot Air Force Base. The discussions with you and other community leaders provided a great deal of valuable information about the base and its importance to the Minot community. This information will be very helpful to the Commission as we carry out our review of the recommendations of the Secretary of Defense in the months ahead.

I can assure you that each of your concerns and recommendations will be given full consideration during the Commission's deliberations.

Sincerely,

J.B. Davis  
Commissioner





THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION  
1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

ALAN J. DIXON, CHAIRMAN

April 6, 1995

COMMISSIONERS:  
AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

Mr. Bruce I. Christianson  
Key Care Investment Company  
601 18th Avenue S.E., Suite 2  
Minot, ND 58703

Please refer to this number  
when responding 950411-8

Dear Mr. Christianson:

I want to thank you for all of your assistance during my recent visit to Minot Air Force Base. The discussions with you and other community leaders provided a great deal of valuable information about the base and its importance to the Minot community. This information will be very helpful to the Commission as we carry out our review of the recommendations of the Secretary of Defense in the months ahead.

I can assure you that each of your concerns and recommendations will be given full consideration during the Commission's deliberations.

Sincerely,

J.B. Davis  
Commissioner

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950411-9

FROM: COMBEST, LARRY	TO: CORNELLA, AL
TITLE: REP. (TX)	TITLE: COMMISSIONER
ORGANIZATION: U. S. CONGRESS	ORGANIZATION: DBLRC
INSTALLATION (S) DISCUSSED: REESE AFB.	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL				COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
				COMMISSIONER ROBLES			
DIR. CONGRESSIONAL LIAISON	✓			COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER	✓		
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR. INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature	Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature	Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓ FYI

Subject/Remarks:

THANK YOU FOR VISITING BASE,

Use Date:	Routing Date: 950411	Date Originated: 950407	Mail Date:
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LARRY COMBEST  
19TH DISTRICT, TEXAS

CHAIRMAN  
PERMANENT SELECT COMMITTEE  
ON INTELLIGENCE

COMMITTEE ON AGRICULTURE

ROOM 1511  
LONGWORTH HOUSE OFFICE BUILDING  
WASHINGTON, DC 20515-4319  
(202) 225-4005

**Congress of the United States**  
**House of Representatives**

April 7, 1995

DISTRICT OFFICES:

ROOM 611  
GEORGE H. MAHON  
FEDERAL BUILDING  
LUBBOCK, TX 79401-4089  
(806) 763-1611

SUITE 205  
3800 E. 42ND STREET  
ODESSA, TX 79762-5941  
(915) 550-0743

SUITE 205  
5809 S. WESTERN  
AMARILLO, TX 79110-3626  
(806) 353-3945

Mr. Al Cornella  
Defense Base Closure and Realignment  
Commissioner  
1700 N. Moore Street  
Suite 1425  
Rosslyn, Virginia 22209

Please refer to this number  
when responding 950411-9

Dear Mr. Cornella:

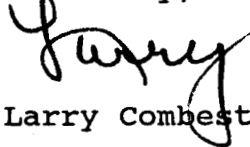
I wanted to thank you very much for taking time to go to Lubbock, Texas and visit the City and Reese Air Force Base. It meant a great deal not only to me and the Lubbock City officials, but also to the people of the West Texas area, and I regret that the schedule of the House meant I missed being there.

As I hope was clearly evident to you during the motorcade, the citizens of West Texas are deeply supportive of Reese and its mission. In addition to its economic status in the region, the people are proud that Reese is their neighbor. It is a mutually beneficial association which I hope will continue.

I look forward to working with you and the other Commissioners as this process continues.

With best regards.

Sincerely,



Larry Combest

LC/lec

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950411-10

FROM: BROWN, EO	TO: JONES, MICHAEL
TITLE: ARMY TEAM LEADER	TITLE: DIRECTOR
ORGANIZATION: DBCRC	ORGANIZATION: ARMY BASING STUDY
INSTALLATION(S) DISCUSSED: FORT RITCHIE	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL	✓			COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
				COMMISSIONER ROBLES			
DIR. CONGRESSIONAL LIAISON				COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER	✓		
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR. INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature	Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature	Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓ FYI

Subject/Remarks:

REQUESTING ARMY PROVIDE ANY NEW INFORMATION REGARDING FORT RITCHIE.

File Date: 950425      Routing Date: 950411      Date Originated: 950411      Mail Date: 950411



**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425

ARLINGTON, VA 22209

703-696-0504

ALAN J. DIXON, CHAIRMAN

April 11, 1995

COMMISSIONERS:

AL CORNELLA

REBECCA COX

GEN J. B. DAVIS, USAF (RET)

S. LEE KLING

RADM BENJAMIN F. MONTOYA, USN (RET)

MG JOSUE ROBLES, JR., USA (RET)

WENDI LOUISE STEELE

Colonel Michael G. Jones  
Director, The Army Basing Study  
200 Army Pentagon  
Washington, D.C. 20310-0200

Please refer to this number  
when responding 9504 11-10

Dear Colonel Jones:

The Commission recognizes the Department of the Army is revisiting data calls and Cost of Base Realignment Actions (COBRA) estimates for Fort Ritchie, Maryland. Further, some modification of your original recommendation for the installation may be forthcoming.

Please provide the Commission with a copy of new certified data, updated COBRA estimates, and any modification to you original recommendation (with all supporting material) as soon as the Department has completed its re-analysis. If you anticipate your re-look will not be complete by April 25th, please provide an interim status of the action. Your interim reply will facilitate Commissioners' understanding of the issues at the Baltimore, Maryland, Regional Hearings.

If you need clarification of this request, please contact Rick Brown at 695-0504, ext 197.

I appreciate your assistance and cooperation.

Sincerely,

*for Clarence R. Brown, Army Team*  
Edward A. Brown III  
Army Team Leader



DEPARTMENT OF THE ARMY  
OFFICE OF THE CHIEF OF STAFF  
200 ARMY PENTAGON  
WASHINGTON DC 20310-0200



REPLY TO  
ATTENTION OF

28 April 1995

Edward A. Brown III  
Army Team Leader  
The Defense Base Realignment and Closure Commission  
1700 North Moore Street Suite 1425  
Arlington, Virginia 22209

Please refer to this number  
when responding 950411-1021

Dear Mr. Brown:

This letter responds to your memorandum dated 11 April 1995 concerning the closure of Fort Ritchie, Maryland.

The Army still supports the recommendation to close Fort Ritchie, Maryland.

The Army has reexamined data used in support of the recommendation to close Fort Ritchie, Maryland by issuing a new data call to the Military District of Washington and conducting an on-site visit with the Army Audit Agency. This information was evaluated and included in our analysis, consistent with guidance from the Secretary of Defense regarding development of BRAC 95 recommendations.

Early results of this analysis shows that closing Fort Ritchie, Maryland remains financially attractive with a four year return on investment, net savings of \$31 million/year and \$281 million over 20 years. Adjustments in data include:

- Corrected Static Base information, including the error found in Family Housing Costs

- Updated installation population  
- Retention of the Military Police company for protection of Site R/C  
- Inclusion of allowable unique costs  
- Creation of a "Site R subpost" which is supported by a workload of 80 civilian manyears, its own BASOPS and RPMA budget and retention of its current facilities

- Enclaving of newly constructed National Guard armory  
- Relocation of DISA elements (estimated 182 personnel) to a Base X.  
- Additional construction to support the Military Police company quartering/messing at Fort Detrick

Note that this is an interim response. A final, revised COBRA report will be provided after several additional issues are resolved. There are three pending actions that are anticipated to be resolved by the end of May. First, the DOD Inspector General is

auditing the manning of the DISA-West Hemisphere. For estimating purposes (worst case), Army has estimated DISA elements at 182 personnel, which is the pre-inactivation authorization level of DISA elements at Fort Ritchie in the original stationing plan, versus 13 personnel in the original submission. Army Audit Agency reports 167 DISA personnel currently supported at Fort Ritchie. Second, the Military Police company for Site R is undergoing a manpower review, which has been estimated at current manning level. Third, the Assistant Chief of Staff for Installation Management is reviewing the policy which required constructing family housing for increased mission load at Fort Detrick. We will keep you apprised when these are resolved.

Our point of contact is LTC(P) Powell or LTC Bornhoft at DSN 223-0077.

Sincerely,

A handwritten signature in black ink, appearing to read 'M. Jones', followed by a horizontal line.

Michael G. Jones  
Colonel, General Staff  
Director, The Army Basing Study

Encl



REPLY TO  
ATTENTION OF

DEPARTMENT OF THE ARMY  
OFFICE OF THE CHIEF OF STAFF  
WASHINGTON, DC 20310-0200



May 31 1995

Defense Base Closure and  
Realignment Commission  
1700 North Moore Street  
Suite 1425  
ATTN: Mr Brown  
Arlington, Virginia 22209

File number as this number  
950411-10R2

Dear Mr. Brown,

As requested in your 11 April 1995 letter (950411-10), The Army is pleased to provide the following information and COBRA analysis regarding Fort Ritchie, MD.

The Army still recommends to close Fort Ritchie, MD. The COBRA results reflect a financially attractive alternative with a 2 year return on investment and a 20 year net present value of \$275 M. The one-time cost to implement is estimated at \$70 M, but achieves an annual steady state savings of \$26 M. The attached COBRA has been modified and some of the major changes are reflected below.

- Include DISA-Western Hemisphere (WH) at a strength of 262 per DoD IG audit.
- Move DISA-WH with \$5 M construction to base X.
- Enclave Site R with current civilian support staff and funding.
- Included 115 Military Police in support of Site R and living at Fort Detrick, MD, per USAFISA manpower audit.

The movement of DISA-WH to base X with construction should cover any decision reached with regard to their final location, whether construction will be included, and who will pay for what part of the construction. Current efforts are underway between DISA and Department of the Army regarding these issues and will be worked out during implementation.

Point of contact on this letter, scenario or COBRA is LTC(P) Powell, (703) 697-1765.

Michael G. Jones  
Colonel, U.S. Army  
Director, The Army Basing Study



COBRA REALIGNMENT SUMMARY (COBRA v5.08)  
 Data As Of 13:32 05/26/1995, Report Created 08:28 06/01/1995

Department : ARMY  
 Option Package : CA11-21  
 Scenario File : C:\COBRA\CA11-21.CBR  
 Std Fctrs File : C:\COBRA\SF7DEC.SPF

Starting Year : 1996  
 Final Year : 1999  
 ROI Year : 2001 (2 Years)

NPV in 2015(\$K): -275,464  
 1-Time Cost(\$K): 69,909

Net Costs (\$K) Constant Dollars	1996						Total	Beyond
	1996	1997	1998	1999	2000	2001		
MilCon	8,298	7,983	28,106	0	0	0	44,388	0
Person	0	-4,871	-12,769	-10,431	-10,431	-10,431	-48,934	-10,431
Overhd	1,845	8	-2,509	-3,965	-16,051	-16,051	-36,724	-16,051
Moving	0	11,792	3,547	239	0	0	15,578	0
Missio	0	0	0	0	401	401	802	401
Other	0	780	251	0	0	600	1,631	0
<b>TOTAL</b>	<b>10,143</b>	<b>15,692</b>	<b>16,626</b>	<b>-14,157</b>	<b>-26,082</b>	<b>-25,482</b>	<b>-23,260</b>	<b>-26,082</b>

	1996	1997	1998	1999	2000	2001	Total
<b>POSITIONS ELIMINATED</b>							
Off	0	8	0	0	0	0	8
Enl	0	132	0	0	0	0	132
Civ	0	177	0	0	0	0	177
<b>TOT</b>	<b>0</b>	<b>317</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>317</b>

	1996	1997	1998	1999	2000	2001	Total
<b>POSITIONS REALIGNED</b>							
Off	0	18	7	47	0	0	72
Enl	0	11	104	664	0	0	779
Stu	0	0	0	0	0	0	0
Civ	0	330	163	248	0	0	741
<b>TOT</b>	<b>0</b>	<b>359</b>	<b>274</b>	<b>959</b>	<b>0</b>	<b>0</b>	<b>1,592</b>

Summary:

-----  
 NEW SCREEN 4 DATA - HOUSING, BASOPS, RPMA  
 DISA TO BASE X

TOTAL APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 1/3  
 Data As Of 13:32 05/26/1995, Report Created 08:28 06/01/1995

Department : ARMY  
 Option Package : CA11-21  
 Scenario File : C:\COBRA\CA11-21.CBR  
 Std Fctrs File : C:\COBRA\SF7DEC.SFF

ONE-TIME COSTS	1996	1997	1998	1999	2000	2001	Total
-----(\$K)-----	----	----	----	----	----	----	-----
<b>CONSTRUCTION</b>							
MILCON	7,676	7,622	19,138	0	0	0	34,436
Fam Housing	622	0	6,225	0	0	0	6,847
Land Purch	0	0	0	0	0	0	0
<b>O&amp;M</b>							
<b>CIV SALARY</b>							
Civ RIF	0	556	179	0	0	0	735
Civ Retire	0	211	66	0	0	0	277
<b>CIV MOVING</b>							
Per Diem	0	738	290	0	0	0	1,028
POV Miles	0	52	42	0	0	0	94
Home Purch	0	2,146	1,055	0	0	0	3,201
HHG	0	1,543	808	0	0	0	2,351
Misc	0	151	73	0	0	0	225
House Hunt	0	613	326	0	0	0	939
PPS	0	1,526	0	0	0	0	1,526
RITA	0	1,036	500	0	0	0	1,536
<b>FREIGHT</b>							
Packing	0	61	54	238	0	0	353
Freight	0	8	12	0	0	0	21
Vehicles	0	0	0	0	0	0	0
Driving	0	0	0	0	0	0	0
Unemployment	0	97	31	0	0	0	128
<b>OTHER</b>							
Program Plan	1,845	1,383	1,038	778	0	0	5,044
Shutdown	0	384	155	544	0	0	1,084
New Hire	0	126	64	0	0	0	191
1-Time Move	0	3,800	0	0	0	0	3,800
<b>MIL PERSONNEL</b>							
<b>MIL MOVING</b>							
Per Diem	0	11	53	0	0	0	65
POV Miles	0	7	44	0	0	0	51
HHG	0	125	390	0	0	0	515
Misc	0	20	78	0	0	0	98
<b>OTHER</b>							
Elim PCS	0	627	0	0	0	0	627
<b>OTHER</b>							
HAP / RSE	0	780	251	0	0	0	1,031
Environmental	0	0	0	0	0	0	0
Info Manage	0	362	2,743	0	0	0	3,105
1-Time Other	0	0	0	0	0	600	600
<b>TOTAL ONE-TIME</b>	<b>10,143</b>	<b>23,988</b>	<b>33,616</b>	<b>1,561</b>	<b>0</b>	<b>600</b>	<b>69,909</b>

TOTAL APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 2/3  
 Data As Of 13:32 05/26/1995, Report Created 08:28 06/01/1995

Department : ARMY  
 Option Package : CA11-21  
 Scenario File : C:\COBRA\CA11-21.CBR  
 Std Pctrs File : C:\COBRA\SF7DEC.SPF

RECURRINGCOSTS	1996	1997	1998	1999	2000	2001	Total	Beyond
---- (\$K) ----	----	----	----	----	----	----	-----	-----
FAM HOUSE OPS	0	0	120	235	235	235	825	235
O&M								
RPMA	0	0	602	602	602	602	2,409	602
BOS	0	688	1,297	3,239	3,239	3,239	11,702	3,239
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	179	575	3,428	3,428	3,428	11,036	3,428
OTHER								
Mission	0	0	0	0	401	401	802	401
Misc Recur	0	0	0	0	0	0	0	0
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	867	2,594	7,504	7,905	7,905	26,775	7,905
TOTAL COST	10,143	24,855	36,210	9,065	7,905	8,505	96,684	7,905
ONE-TIME SAVES	1996	1997	1998	1999	2000	2001	Total	
---- (\$K) ----	----	----	----	----	----	----	-----	
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	47	178	0	0	0	225	
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	47	178	0	0	0	225	
RECURRINGSAVES	1996	1997	1998	1999	2000	2001	Total	Beyond
---- (\$K) ----	----	----	----	----	----	----	-----	-----
FAM HOUSE OPS	0	902	2,171	3,817	5,097	5,097	17,084	5,097
O&M								
RPMA	0	395	960	1,722	2,381	2,381	7,839	2,381
BOS	0	1,151	2,590	3,825	12,320	12,320	32,206	12,320
Unique Operat	0	0	0	0	0	0	0	0
Civ Salary	0	4,071	8,142	8,142	8,142	8,142	36,637	8,142
CHAMPUS	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	272	543	543	543	543	2,446	543
Enl Salary	0	2,037	4,073	4,073	4,073	4,073	18,331	4,073
House Allow	0	288	926	1,100	1,100	1,100	4,515	1,100
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	330	330	660	330
Unique Other	0	0	0	0	0	0	0	0
TOTAL RECUR	0	9,116	19,406	23,223	33,987	33,987	119,719	33,987
TOTAL SAVINGS	0	9,162	19,585	23,223	33,987	33,987	119,944	33,987

TOTAL APPROPRIATIONS DETAIL REPORT (COBRA v5.08) - Page 3/3  
 Data As Of 13:32 05/26/1995, Report Created 08:28 06/01/1995

Department : ARMY  
 Option Package : CA11-21  
 Scenario File : C:\COBRA\CA11-21.CBR  
 Std Fctrs File : C:\COBRA\SF7DEC.SFF

ONE-TIME NET	1996	1997	1998	1999	2000	2001	Total	
----(\$K)----	----	----	----	----	----	----	----	
<b>CONSTRUCTION</b>								
MILCON	7,676	7,622	19,138	0	0	0	34,436	
Fam Housing	622	0	6,225	0	0	0	6,847	
O&M								
Civ Retir/RIF	0	767	246	0	0	0	1,013	
Civ Moving	0	7,875	3,160	239	0	0	11,274	
Other	1,845	5,791	1,289	1,323	0	0	10,247	
<b>MIL PERSONNEL</b>								
Mil Moving	0	744	387	0	0	0	1,131	
<b>OTHER</b>								
HAP / RSE	0	780	251	0	0	0	1,031	
Environmental	0	0	0	0	0	0	0	
Info Manage	0	362	2,743	0	0	0	3,105	
1-Time Other	0	0	0	0	0	600	600	
Land	0	0	0	0	0	0	0	
<b>TOTAL ONE-TIME</b>	<b>10,143</b>	<b>23,941</b>	<b>33,438</b>	<b>1,561</b>	<b>0</b>	<b>600</b>	<b>69,684</b>	
<b>RECURRING NET</b>								
----(\$K)----	----	----	----	----	----	----	Total	Beyond
FAM HOUSE OPS	0	-902	-2,051	-3,581	-4,862	-4,862	-16,258	-4,862
O&M								
RPMA	0	-395	-358	-1,120	-1,779	-1,779	-5,430	-1,779
BOS	0	-462	-1,293	-586	-9,081	-9,081	-20,504	-9,081
Unique Operat	0	0	0	0	0	0	0	0
Caretaker	0	0	0	0	0	0	0	0
Civ Salary	0	-4,071	-8,142	-8,142	-8,142	-8,142	-36,637	-8,142
CHAMPUS	0	0	0	0	0	0	0	0
<b>MIL PERSONNEL</b>								
Mil Salary	0	-2,308	-4,617	-4,617	-4,617	-4,617	-20,777	-4,617
House Allow	0	-110	-351	2,327	2,327	2,327	6,521	2,327
<b>OTHER</b>								
Procurement	0	0	0	0	0	0	0	0
Mission	0	0	0	0	401	401	802	401
Misc Recur	0	0	0	0	-330	-330	-660	-330
Unique Other	0	0	0	0	0	0	0	0
<b>TOTAL RECUR</b>	<b>0</b>	<b>-8,249</b>	<b>-16,812</b>	<b>-15,719</b>	<b>-26,082</b>	<b>-26,082</b>	<b>-92,943</b>	<b>-26,082</b>
<b>TOTAL NET COST</b>	<b>10,143</b>	<b>15,692</b>	<b>16,626</b>	<b>-14,157</b>	<b>-26,082</b>	<b>-25,482</b>	<b>-23,260</b>	<b>-26,082</b>

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 9504 11-11

FROM: CAMPBELL, BEN NIGHORSE	TO: DIXON
TITLE: SENATOR (CO)	TITLE: CHAIRMAN
ORGANIZATION: U.S. CONGRESS	ORGANIZATION: DBCRC
INSTALLATION(S) DISCUSSED: FITZSIMONS ARMY MEDICAL CENTER	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA	✓		
STAFF DIRECTOR	✓			COMMISSIONER COX	✓		
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS	✓		
GENERAL COUNSEL				COMMISSIONER KLING	✓		
MILITARY EXECUTIVE				COMMISSIONER MONTOYA	✓		
				COMMISSIONER ROBLES	✓		
DIR. CONGRESSIONAL LIAISON		✓		COMMISSIONER STEELE	✓		
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER		X	
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR. INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

✓	Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
	Prepare Reply for Staff Director's Signature		Prepare Direct Response
X	ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

LETTER OF SUPPORT FOR CENTER.

Date: 950413	Routing Date: 950411	Date Originated: 950407	Mail Date:
--------------	----------------------	-------------------------	------------

# United States Senate

WASHINGTON, DC 20510

April 7, 1995

The Honorable Alan J. Dixon  
Chair  
Defense Base Closure and Realignment Commission  
1700 N. Moore St., Suite 1425  
Arlington, VA 22209

Please refer to the numbers  
when responding 950411-11

Dear Chairman Dixon:

We are writing to express our concern regarding the Department of Defense's decision to recommend for closure Fitzsimons Army Medical Center (FAMC).

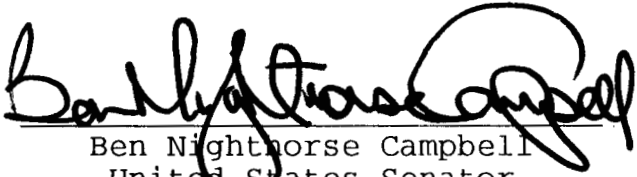
This facility is an essential component of the DOD's regional health care delivery system. As you know, FAMC is the Lead Agent for the provision of health care in DOD's Medical Region 8, encompassing 12 states (Colorado, Idaho, Iowa, Kansas, Minnesota, Missouri, Montana, Nebraska, North Dakota, South Dakota, Utah, and Wyoming). This is the largest geographic region in the defense medical system, and its beneficiary population is sixth largest of the 12 DOD medical regions. FAMC's region already has the fewest tertiary and referral beds of any in the United States.

Closing FAMC would leave a huge hole in the middle of the defense medical system, as the attached chart shows. There is no other military medical center anywhere in this large region. The closure of FAMC will affect active duty and retired military personnel in our states who rely on this facility.


Extensive health care provider and beneficiary analyses repeatedly confirmed the need for FAMC to ensure medical readiness during military conflict, and to support DOD beneficiaries during times of peace. A 1991 study by Vector Research concluded: "Overall, it is cheaper to provide for a given amount of workload at Fitzsimons than it is to purchase it from the civilian sector through the CHAMPUS program."

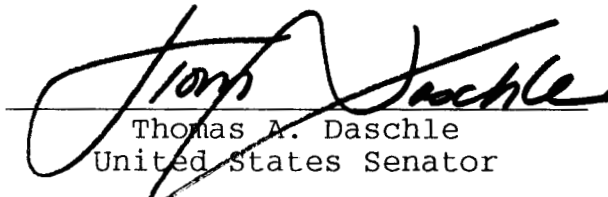
For these reasons, we strongly urge you to thoroughly review the Department of Defense's recommendation to close FAMC. Thank you for your consideration.


Sincerely,

  
Ben Nighthorse Campbell  
United States Senator

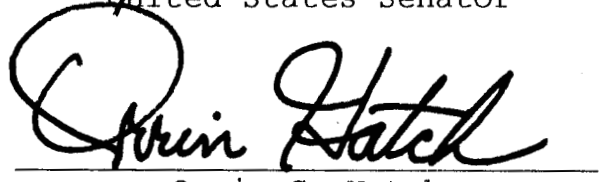
  
Hank Brown  
United States Senator

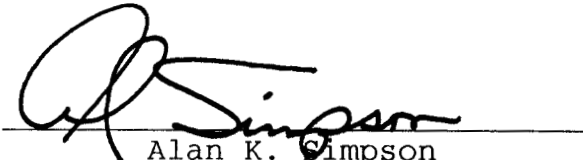
  
Robert Dole  
United States Senator

  
Thomas A. Daschle  
United States Senator

  
Max Baucus  
United States Senator

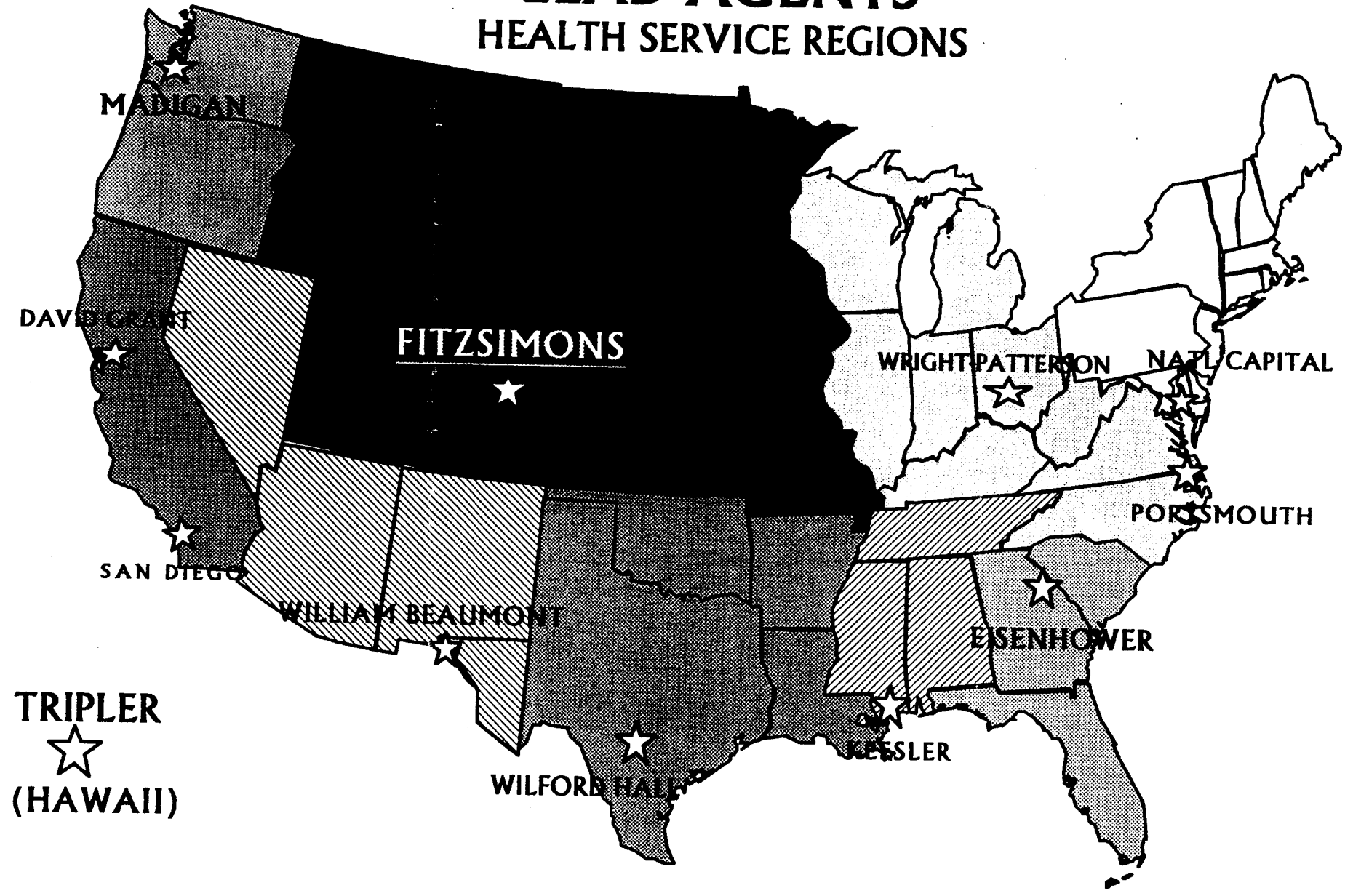
  
Larry Pressler  
United States Senator

  
Orrin G. Hatch  
United States Senator

  
Alan K. Simpson  
United States Senator

# LEAD AGENTS

## HEALTH SERVICE REGIONS







DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION  
1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

Please refer to this number

- 950411-1121

April 12, 1995

The Honorable Ben Nighthorse Campbell  
United States Senate  
Washington, D.C. 20510

Dear Ben:

Thank you for your letter expressing your strong support for the Fitzsimons Army Medical Center. I certainly understand your interest in the base closure and realignment process and welcome your comments.

You may be certain that the Commission will thoroughly review the information used by the Defense Department in making its recommendations. I can assure you that the information you have provided will be considered by the Commission in our review and analysis of the Secretary of Defense's recommendation on Fitzsimons Army Medical Center.

I look forward to working with you during this difficult and challenging process. Please do not hesitate to contact me whenever you believe I may be of service.

Sincerely,

Alan J. Dixon  
Chairman

AJD:cw



**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

Please refer to this number  
950411-UR1

ALAN J. DIXON, CHAIRMAN

COMMISSIONERS:

AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

April 12, 1995

The Honorable Hank Brown  
United States Senate  
Washington, D.C. 20510

Dear Hank:

Thank you for your letter expressing your strong support for the Fitzsimons Army Medical Center. I certainly understand your interest in the base closure and realignment process and welcome your comments.

You may be certain that the Commission will thoroughly review the information used by the Defense Department in making its recommendations. I can assure you that the information you have provided will be considered by the Commission in our review and analysis of the Secretary of Defense's recommendation on Fitzsimons Army Medical Center.

I look forward to working with you during this difficult and challenging process. Please do not hesitate to contact me whenever you believe I may be of service.

Sincerely,

Alan J. Dixon  
Chairman

AJD:cw



**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

Please refer to this number

when reporting 950411-1121

ALAN J. DIXON, CHAIRMAN

COMMISSIONERS:

AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

April 12, 1995

The Honorable Robert Dole  
United States Senate  
Washington, D.C. 20510

Dear Bob:

Thank you for your letter expressing your strong support for the Fitzsimons Army Medical Center. I certainly understand your interest in the base closure and realignment process and welcome your comments.

You may be certain that the Commission will thoroughly review the information used by the Defense Department in making its recommendations. I can assure you that the information you have provided will be considered by the Commission in our review and analysis of the Secretary of Defense's recommendation on Fitzsimons Army Medical Center.

I look forward to working with you during this difficult and challenging process. Please do not hesitate to contact me whenever you believe I may be of service.

Sincerely,

Alan J. Dixon  
Chairman

AJD:cw



**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

Please refer to this number  
when responding 150411-1721

ALAN J. DIXON, CHAIRMAN

COMMISSIONERS:

AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

April 12, 1995

The Honorable Thomas A. Daschle  
United States Senate  
Washington, D.C. 20510


Dear Tom:

Thank you for your letter expressing your strong support for the Fitzsimons Army Medical Center. I certainly understand your interest in the base closure and realignment process and welcome your comments.

You may be certain that the Commission will thoroughly review the information used by the Defense Department in making its recommendations. I can assure you that the information you have provided will be considered by the Commission in our review and analysis of the Secretary of Defense's recommendation on Fitzsimons Army Medical Center.

I look forward to working with you during this difficult and challenging process. Please do not hesitate to contact me whenever you believe I may be of service.

Sincerely,



Alan J. Dixon  
Chairman

AJD:cw



**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

Please refer to this number  
when responding: 950411-1121

ALAN J. DIXON, CHAIRMAN

**COMMISSIONERS:**

AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

April 12, 1995

The Honorable Max Baucus  
United States Senate  
Washington, D.C. 20510

Dear Max:

Thank you for your letter expressing your strong support for the Fitzsimons Army Medical Center. I certainly understand your interest in the base closure and realignment process and welcome your comments.

You may be certain that the Commission will thoroughly review the information used by the Defense Department in making its recommendations. I can assure you that the information you have provided will be considered by the Commission in our review and analysis of the Secretary of Defense's recommendation on Fitzsimons Army Medical Center.

I look forward to working with you during this difficult and challenging process. Please do not hesitate to contact me whenever you believe I may be of service.

Sincerely,

Alan J. Dixon  
Chairman

AJD:cw



**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

Please refer to this number  
when responding 950411-1121

ALAN J. DIXON, CHAIRMAN

COMMISSIONERS:

AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

April 12, 1995

The Honorable Larry Pressler  
United States Senate  
Washington, D.C. 20510

Dear Larry:

Thank you for your letter expressing your strong support for the Fitzsimons Army Medical Center. I certainly understand your interest in the base closure and realignment process and welcome your comments.

You may be certain that the Commission will thoroughly review the information used by the Defense Department in making its recommendations. I can assure you that the information you have provided will be considered by the Commission in our review and analysis of the Secretary of Defense's recommendation on Fitzsimons Army Medical Center.

I look forward to working with you during this difficult and challenging process. Please do not hesitate to contact me whenever you believe I may be of service.

Sincerely,

Alan J. Dixon  
Chairman

AJD:cw



**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

Please refer to this number  
when responding 9150411-1121

ALAN J. DIXON, CHAIRMAN

**COMMISSIONERS:**

AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

April 12, 1995

The Honorable Orrin G. Hatch  
United States Senate  
Washington, D.C. 20510

Dear Orrin:

Thank you for your letter expressing your strong support for the Fitzsimons Army Medical Center. I certainly understand your interest in the base closure and realignment process and welcome your comments.

You may be certain that the Commission will thoroughly review the information used by the Defense Department in making its recommendations. I can assure you that the information you have provided will be considered by the Commission in our review and analysis of the Secretary of Defense's recommendation on Fitzsimons Army Medical Center.

I look forward to working with you during this difficult and challenging process. Please do not hesitate to contact me whenever you believe I may be of service.

Sincerely,

Alan J. Dixon  
Chairman

AJD:cw



**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425

ARLINGTON, VA 22209

703-696-0504

Please refer to this number  
when responding 950411-112

ALAN J. DIXON, CHAIRMAN

COMMISSIONERS:

AL CORNELLA

REBECCA COX

GEN J. B. DAVIS, USAF (RET)

S. LEE KLING

RADM BENJAMIN F. MONTOYA, USN (RET)

MG JOSUE ROBLES, JR., USA (RET)

WENDI LOUISE STEELE

April 12, 1995

The Honorable Alan K. Simpson  
United States Senate  
Washington, D.C. 20510

Dear Al:

Thank you for your letter expressing your strong support for the Fitzsimons Army Medical Center. I certainly understand your interest in the base closure and realignment process and welcome your comments.

You may be certain that the Commission will thoroughly review the information used by the Defense Department in making its recommendations. I can assure you that the information you have provided will be considered by the Commission in our review and analysis of the Secretary of Defense's recommendation on Fitzsimons Army Medical Center.

I look forward to working with you during this difficult and challenging process. Please do not hesitate to contact me whenever you believe I may be of service.

Sincerely,

Alan J. Dixon  
Chairman

AJD:cw



THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) #

950411-12

FROM: BROWN, GEORGE E.	TO: DIXON
TITLE: REP. (CA)	TITLE: CHAIRMAN
ORGANIZATION: U.S. CONGRESS	ORGANIZATION: DBCRC
INSTALLATION (S) DISCUSSED: MARCH AFB.	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA	✓		
STAFF DIRECTOR	✓			COMMISSIONER COX	✓		
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS	✓		
GENERAL COUNSEL	✓			COMMISSIONER KLING	✓		
MILITARY EXECUTIVE				COMMISSIONER MONTOYA	✓		
				COMMISSIONER ROBLES	✓		
DIR. CONGRESSIONAL LIAISON		⊙		COMMISSIONER STEELE	✓		
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER		X	
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER	✓		
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR. INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

⊙	Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
	Prepare Reply for Staff Director's Signature		Prepare Direct Response
X	ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

REQUESTING DBCRC CONSIDER RE-DIRECTING MARINE CORP'S UNITS FROM EL-TORO, AZOTUSTIN TO MARCH AFB.

File Date: 950413	Routing Date: 950411	Date Originated: 950406	Mail Date:
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**GEORGE E. BROWN, JR.**

**42ND DISTRICT OF  
CALIFORNIA**

**RANKING DEMOCRATIC MEMBER,  
COMMITTEE ON SCIENCE**  
  
**MEMBER,  
COMMITTEE ON AGRICULTURE**  
  
**CHAIRMAN,  
CALIFORNIA DEMOCRATIC  
CONGRESSIONAL DELEGATION**

**Congress of the United States  
House of Representatives  
Washington, DC 20515-0542**

2300 RAYBURN HOUSE OFFICE BUILDING  
WASHINGTON, DC 20515-0542  
(202) 225-6161

657 NORTH LA CADENA DRIVE  
COLTON, CA 92324-2822  
(909) 825-2472

April 6, 1995

The Honorable Alan Dixon  
Chairman, Base Realignment and Closure Commission  
1700 N. Moore St., Suite 1425  
Arlington, VA 22209

Dear Chairman Dixon:

Please refer to this number  
when responding 950411-12

I am writing to formally request that the 1995 Base Realignment and Closure Commission consider altering the DOD-recommended redirection of certain Marine Corps units from El Toro MCAS and Tustin MCAS, and that the Commission instead consider consolidating those units at nearby March AFB, which has been previously approved for realignment to an Air Force reserve base.

The current Navy and DOD plan is to move the El Toro and Tustin Marine units to Miramar Naval Air Station, which will require the outlay of several hundred million dollars worth of military construction funds at Miramar and other bases. However, by taking advantage of the infrastructure and full-service military air base already constructed and soon to be vacated at March, DOD will realize significant savings through the much smaller amount of military construction spending needed to convert March into an active Marine air base. I have seen internal Marine Corps documents detailing a cost savings to DOD of between \$200 million and \$300 million from a Marine move to March instead of Miramar and detailing improved military value to the Marines from a move to March.

While it is my understanding that both the Marine Corps and Air Force support the March option I am presenting, I understand that the Navy opposes it, evidently because it would cost the Navy more money than the Miramar option, even though it would save a greater amount of money for DOD as a whole.

I will be writing the Secretary of Defense to request a DOD-level detailing of the costs and an explanation for why the Secretary has not selected the March option even though the Marine Corps documents imply that the March option is superior in terms of military value and cost.

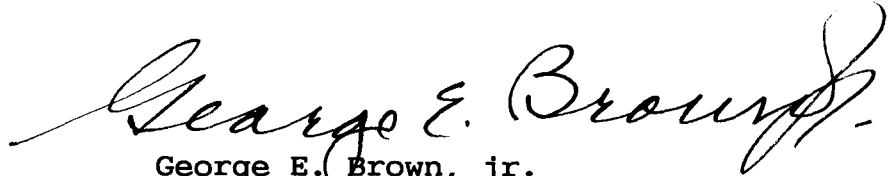
The community surrounding March AFB and the March base redevelopment authority support the proposal to turn March into an active Marine Corps air base.

I believe that this proposal deserves the serious attention

of the Commission and its staff because of the significant cost-savings and military value enhancements included in the proposal.

I would be pleased to discuss this matter further with you or your staff. Please feel free to contact me or my Chief of Staff, Bill Grady, at (202) 225-6161.

Sincerely,

A handwritten signature in cursive script that reads "George E. Brown, Jr." with a long, sweeping underline.

George E. Brown, jr.  
Member of Congress



**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

950411-12R1

ALAN J. DIXON, CHAIRMAN

COMMISSIONERS:

AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

April 14, 1995

The Honorable George E. Brown  
United States House of Representatives  
Washington, D.C. 20515

Dear Representative Brown:

Thank you for your letter requesting a redirect of certain Marine rotary wing units from Marine Corps Air Station El Toro and Marine Corps Air Station Tustin to March Air Force Base. You may be assured that I will share your comments with the other members of the Commission.

The Base Closure and Realignment Act provides that any additions to the list of bases recommended for closure or realignment by the Secretary of Defense must be published in the Federal Register by May 17. This would include any decisions to reconsider a previous Commission's actions if such action had not been recommended by the Secretary. In order to have a base added to this list, a Commissioner must offer a motion to add an installation for consideration. A majority of the Commissioners must support such a motion for the base to be added for consideration.

I can assure you that the information you have provided will be considered by the Commission in our review and analysis of the Secretary of Defense's recommendation on the assets at MCAS El Toro and MCAS Tustin.

I look forward to working with you. Please do not hesitate to contact me if I may be of additional assistance as we go through this difficult and challenging process.

Sincerely,

Alan J. Dixon  
Chairman

AJD:js

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950411-13

FROM: CIRILLO, FRANK	TO: BLUME, JAY
TITLE: AF TEAM LEADER	TITLE: SPECIAL ASST.
ORGANIZATION: DBCRC	ORGANIZATION: HEADQUARTERS USAF
INSTALLATION (S) DISCUSSED:	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DEYON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL	✓			COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
				COMMISSIONER ROBLES			
DIR. CONGRESSIONAL LIAISON				COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER	✓		
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER			
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR. INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature		Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

REQUESTING THEY PROVIDE AIR QUALITY ANALYSIS OF THE SCENARIOS RELATED TO CERTAIN COBRA RUNS.

Use Date: 950424 Routing Date: 950411 Date Originated: 950411 Mail Date: 950411



DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION  
1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

Please refer to this number  
when responding 950411-13

April 11, 1995

Major General Jay Blume (Attn: Lt. Col. Mary Tripp)  
Special Assistant to the Chief of Staff for Base Realignment and Transition  
Headquarters USAF  
1670 Air Force Pentagon  
Washington, D.C. 20330-1670

Dear General Blume:

Please provide Commission staff with an air quality analysis of the scenarios related to the COBRA runs identified below. The analysis should identify the gaining base, BCEG action, air conformity analysis required, projected emissions above 1990 baseline, and status.

DoD BRAC recommendation consistent with COBRA "TRC-0215.OUT"

Closure of McClellan AFB consistent with COBRA "MCC-0119.CBR"

Closure of McClellan AFB consistent with COBRA "MCC-0120.CBR"

Closure of Kelly AFB consistent with COBRA "KE1-0119.CBR"

Closure of Kelly AFB consistent with COBRA "KE1-0120.CBR"

The analysis requested was discussed with Lt. Col. Brian Echols and Capt. John Roop at a meeting with Commission staff on April 7, 1995.

In order to assist the Commission in its review of this issue, I would appreciate your submitting this analysis no later than April 24, 1995. Thank you for your assistance in this matter.

Sincerely,

Francis A. Cirillo Jr., PE  
Air Force Team Leader



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS UNITED STATES AIR FORCE



25 APR 1995

MEMORANDUM FOR BASE CLOSURE COMMISSION (Mr. Frank Cirillo)

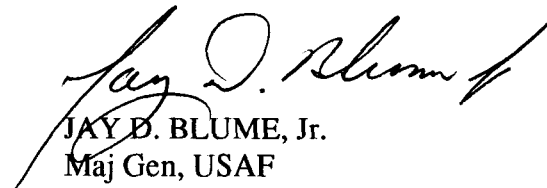
FROM: HQ USAF/RT

SUBJECT: USAF BRAC '95 Depot Information

Please refer to file number  
when responding 950411-13R1

Per your 11 April letter, attached is the air quality analysis pertaining to several COBRA run scenarios. Please note that the "Emissions Above 1990 Baseline" column reflects emissions in tons per year and CO is carbon monoxide, NO<sub>x</sub> is nitrous oxides, and VOC stands for volatile organic compounds.

Should you have any questions, please contact Lt Col Louise Eckhardt, DSN 225-4578.

  
JAY D. BLUME, Jr.  
Maj Gen, USAF  
Special Assistant to the CSAF for  
Base Realignment and Transition

Attachment:  
AF/CEV response with 6 attachments  
RT381



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS UNITED STATES AIR FORCE  
WASHINGTON DC

APR 24 1995

MEMORANDUM FOR AF/RTR

FROM: AF/CEV


SUBJECT: Request for Information to Support the Base Closure Process (Your Memo, 20 Apr 95)

Our detailed, case-by-case, air quality analysis for the five Cost Of Base Realignment Activity (COBRA) scenarios requested by the Defense Base Closure and Realignment Commission is attached.

Our preliminary conformity analysis reviewed each of the individual realignment activities associated with a requested COBRA scenario. The worst case result of one of the activities determined the overall status for the scenario. A significant assumption, based on coordination with your office, is that "Base X" activities call for placing 100 or less personnel at a yet-to-be-determined installation within the Air Force. Given that 100 personnel should not exceed the *de minimis* threshold for a criteria pollutant, we did not consider the analysis of Base X activities in the following consolidation of the COBRA scenarios:

Gaining Base	BCEG Action (Aircraft & Personnel Realignment)	Conformity Analysis Required	Emissions Above 1990 Baseline	Status
Multiple	COBRA TRC-0215.OUT	NO	4 CO	G
Multiple	COBRA MCC-0119.CBR	NO	4 NO <sub>x</sub> 3 VOC 36 CO	G
Multiple	COBRA MCC-0120.CBR	NO	4 NO <sub>x</sub> 3 VOC 36 CO	G
Multiple	COBRA KE1-0119.CBR	NO	N/A	G
Multiple	COBRA KE1-0120.CBR	NO	N/A	G

Our action officer for this issue is Captain Jon A. Roop, AF/CEVC, Ext. 73360.

  
L. DEAN FOX, Colonel, USAF  
Director of Environment

Attachments:

1. Defense BCRC Ltr, 11 Apr 95
2. DoD BRAC Recommendation - TRC-0215.OUT
3. Closure of McClellan AFB-MCC-0119.CBR
4. Closure of McClellan AFB-MCC-0120.CBR
5. Closure of Kelly AFB-KE1-0119.CBR
6. Closure of Kelly AFB-KE1-0120.CBR





**DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**  
1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

RT#381

April 11, 1995

Major General Jay Blume (Attn: Lt. Col. Mary Tripp)  
Special Assistant to the Chief of Staff for Base Realignment and Transition  
Headquarters USAF  
1670 Air Force Pentagon  
Washington, D.C. 20330-1670

Dear General Blume:

Please provide Commission staff with an air quality analysis of the scenarios related to the COBRA runs identified below. The analysis should identify the gaining base, BCEG action, air conformity analysis required, projected emissions above 1990 baseline, and status.

DoD BRAC recommendation consistent with COBRA "TRC-0215.OUT"

Closure of McClellan AFB consistent with COBRA "MCC-0119.CBR"

Closure of McClellan AFB consistent with COBRA "MCC-0120.CBR"

Closure of Kelly AFB consistent with COBRA "KE1-0119.CBR"

Closure of Kelly AFB consistent with COBRA "KE1-0120.CBR"

The analysis requested was discussed with Lt. Col. Brian Echols and Capt. John Roop at a meeting with Commission staff on April 7, 1995.

In order to assist the Commission in its review of this issue, I would appreciate your submitting this analysis no later than April 24, 1995. Thank you for your assistance in this matter.

Sincerely,

Francis A. Cirillo Jr., PE  
Air Force Team Leader

**DoD BRAC Recommendation Consistent  
with  
COBRA TRC-0215.OUT**

COBRA Scenario Analysis

<b>Gaining Base</b>	<b>BCEG Action (Aircraft &amp; Personnel Realignment)</b>	<b>Conformity Analysis Required</b>	<b>Emissions Above 1990 Baseline</b>	<b>Status</b>
Multiple	COBRA TRC-0215.OUT	NO	4 CO	G

Event Specific Analysis

<b>Gaining Base</b>	<b>BCEG Action (Aircraft &amp; Personnel Realignment)</b>	<b>Conformity Analysis Required</b>	<b>Emissions Above 1990 Baseline</b>	<b>Status</b>
Hill AFB	Add 237 Personnel - From Tinker AFB & Robins AFB	NO	0 NO <sub>x</sub> 0 VOC	G
McClellan AFB	Add 14 Personnel - From Tinker AFB	NO	0 NO <sub>x</sub> 0 VOC 4 CO	G

G= Green (BCEG Emissions are Less Than or Equal to 1990 Baseline)

Y= Yellow (BCEG Emissions are Within Moderate Range of the 1990 Baseline)

R= Red (BCEG Emissions are Significantly Greater Than 1990 Baseline)

**Closure of McClellan AFB Consistent  
with  
COBRA MCC-0119.CBR**

COBRA Scenario Analysis

<b>Gaining Base</b>	<b>BCEG Action (Aircraft &amp; Personnel Realignment)</b>	<b>Conformity Analysis Required</b>	<b>Emissions Above 1990 Baseline</b>	<b>Status</b>
Multiple	COBRA MCC-0119.CBR	YES	4 NO <sub>x</sub> 3 VOC 36 CO	G

Event Specific Analysis

<b>Gaining Base</b>	<b>BCEG Action (Aircraft &amp; Personnel Realignment)</b>	<b>Conformity Analysis Required</b>	<b>Emissions Above 1990 Baseline</b>	<b>Status</b>
March AFB	Add 53 Personnel - From McClellan AFB	NO	0 NO <sub>x</sub> 0 VOC 11 CO	G
Moffett NAS	Add 190 Personnel & 4 C130 - From McClellan AFB	NO	0 NO <sub>x</sub> 0 VOC 0 CO	G
Travis AFB	Add 451 Personnel - From McClellan AFB	YES	4 NO <sub>x</sub> 3 VOC 36 CO	G
Offutt AFB	Add 388 Personnel - From McClellan AFB	NO	N/A	G
Hill AFB	Add 4399 Personnel - From McClellan AFB	NO	0 NO <sub>x</sub> 0 VOC	G
Tinker AFB	Add 1571 Personnel - From McClellan AFB	NO	N/A	G
Robins AFB	Add 314 Personnel - From McClellan AFB	NO	N/A	G
Base X	Add 2199 Personnel - From McClellan AFB	UNK	UNK	UNK

G = Green (BCEG Emissions are Less Than or Equal to 1990 Baseline)

Y = Yellow (BCEG Emissions are Within Moderate Range of the 1990 Baseline)

R = Red (BCEG Emissions are Significantly Greater Than 1990 Baseline)

UNK = Unknown, a preliminary conformity analysis can not be done without a receiver base

**Closure of McClellan AFB Consistent  
with  
COBRA MCC-0120.CBR**

COBRA Scenario Analysis

Gaining Base	BCEG Action (Aircraft & Personnel Realignment)	Conformity Analysis Required	Emissions Above 1990 Baseline	Status
Multiple	COBRA MCC-0120.CBR	YES	4 NO <sub>x</sub> 3 VOC 36 CO	G

Event Specific Analysis

Gaining Base	BCEG Action (Aircraft & Personnel Realignment)	Conformity Analysis Required	Emissions Above 1990 Baseline	Status
March AFB	Add 53 Personnel - From McClellan AFB	NO	0 NO <sub>x</sub> 0 VOC 11 CO	G
Moffett NAS	Add 190 Personnel & 4 C130 - From McClellan AFB	NO	0 NO <sub>x</sub> 0 VOC 0 CO	G
Travis AFB	Add 451 Personnel - From McClellan AFB	YES	4 NO <sub>x</sub> 3 VOC 36 CO	G
Offutt AFB	Add 388 Personnel - From McClellan AFB	NO	N/A	G
Hill AFB	Add 4399 Personnel - From McClellan AFB	NO	0 NO <sub>x</sub> 0 VOC	G
Tinker AFB	Add 1571 Personnel - From McClellan AFB	NO	N/A	G
Robins AFB	Add 314 Personnel - From McClellan AFB	NO	N/A	G
Base X	Add 1829 Personnel - From McClellan AFB	UNK	UNK	UNK

G = Green (BCEG Emissions are Less Than or Equal to 1990 Baseline)

Y = Yellow (BCEG Emissions are Within Moderate Range of the 1990 Baseline)

R = Red (BCEG Emissions are Significantly Greater Than 1990 Baseline)

UNK = Unknown, a preliminary conformity analysis can not be done without a receiver base

**Closure of Kelly AFB Consistent  
with  
COBRA KE1-0119.CBR**

COBRA Scenario Analysis

<b>Gaining Base</b>	<b>BCEG Action (Aircraft &amp; Personnel Realignment)</b>	<b>Conformity Analysis Required</b>	<b>Emissions Above 1990 Baseline</b>	<b>Status</b>
Multiple	COBRA KE1-0119.CBR	NO	N/A	G

Event Specific Analysis

<b>Gaining Base</b>	<b>BCEG Action (Aircraft &amp; Personnel Realignment)</b>	<b>Conformity Analysis Required</b>	<b>Emissions Above 1990 Baseline</b>	<b>Status</b>
Lackland AFB	Add 5251 Personnel - From Kelly AFB	NO	N/A	G
Hill AFB	Add 847 Personnel - From Kelly AFB	NO	0 NO <sub>x</sub> 0 VOC	G
Tinker AFB	Add 7533 Personnel - From Kelly AFB	NO	N/A	G
Robins AFB	Add 85 Personnel - From Kelly AFB	NO	N/A	G
Base X	Add 2699 Personnel - From Kelly AFB	UNK	UNK	UNK

G = Green (BCEG Emissions are Less Than or Equal to 1990 Baseline)

Y = Yellow (BCEG Emissions are Within Moderate Range of the 1990 Baseline)

R = Red (BCEG Emissions are Significantly Greater Than 1990 Baseline)

UNK = Unknown, a preliminary conformity analysis can not be done without a receiver base

**Closure of Kelly AFB Consistent  
with  
COBRA KE1-0120.CBR**

COBRA Scenario Analysis

<b>Gaining Base</b>	<b>BCEG Action (Aircraft &amp; Personnel Realignment)</b>	<b>Conformity Analysis Required</b>	<b>Emissions Above 1990 Baseline</b>	<b>Status</b>
Multiple	COBRA KE1-0120.CBR	NO	N/A	G

Event Specific Analysis

<b>Gaining Base</b>	<b>BCEG Action (Aircraft &amp; Personnel Realignment)</b>	<b>Conformity Analysis Required</b>	<b>Emissions Above 1990 Baseline</b>	<b>Status</b>
Lackland AFB	Add 5251 Personnel - From Kelly AFB	NO	N/A	G
Hill AFB	Add 847 Personnel - From Kelly AFB	NO	0 NO <sub>x</sub> 0 VOC	G
Tinker AFB	Add 7533 Personnel - From Kelly AFB	NO	N/A	G
Robins AFB	Add 85 Personnel - From Kelly AFB	NO	N/A	G
Base X	Add 2035 Personnel - From Kelly AFB	UNK	UNK	UNK

G = Green (BCEG Emissions are Less Than or Equal to 1990 Baseline)

Y = Yellow (BCEG Emissions are Within Moderate Range of the 1990 Baseline)

R = Red (BCEG Emissions are Significantly Greater Than 1990 Baseline)

UNK = Unknown, a preliminary conformity analysis can not be done without a receiver base

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950411-14

FROM: NICKLES, DON	TO: DIXON
TITLE: SENATOR (OK)	TITLE: CHAIRMAN
ORGANIZATION: U. S. CONGRESS	ORGANIZATION: DBCRC
INSTALLATION (S) DISCUSSED: VANCE AFB	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA	✓		
STAFF DIRECTOR	✓			COMMISSIONER COX	✓		
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS	✓		
GENERAL COUNSEL	✓			COMMISSIONER KLING	✓		
MILITARY EXECUTIVE				COMMISSIONER MONTOYA	✓		
				COMMISSIONER ROBLES	✓		
DIR. CONGRESSIONAL LIAISON	⊗	⊙		COMMISSIONER STEELE	✓		
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER R	✓		
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER		X	
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR. INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

<input checked="" type="checkbox"/> Prepare Reply for Chairman's Signature	<input type="checkbox"/> Prepare Reply for Commissioner's Signature
<input type="checkbox"/> Prepare Reply for Staff Director's Signature	<input type="checkbox"/> Prepare Direct Response
<input checked="" type="checkbox"/> ACTION: Offer Comments and/or Suggestions	<input checked="" type="checkbox"/> FYI

Subject/Remarks:

REQUESTING COMMISSION REVIEW MATERIAL REGARDING UNDERGRADUATE PILOT TRAINING. ALSO, LETTER OF SUPPORT FOR VANCE AFB.

File Date: 950413	Routing Date: 950411	Date Originated: 950405	Mail Date:
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# United States Senate

WASHINGTON, DC 20510

April 5, 1995

*Handwritten:* Please refer to the report  
being responded 950411-14

Alan Dixon, Chairman  
Defense Base Closure & Realignment Commission  
1700 N. Moore St.  
Suite 1425  
Arlington, VA 22209

Dear Chairman Dixon:

With the base closure process underway, we are very aware of the tremendous amount of time you and your staff are spending analyzing the recommendations for closure and realignment submitted to the commission by the Secretary of Defense.

As you know, we have a keen interest in the Undergraduate Pilot Training (UPT) category because of Vance Air Force Base in Enid, Oklahoma. We believe that the certified data that has been provided by the Department of the Air Force and the Cross-Service team accurately underscores the reasons that Vance Air Force Base was not included in Secretary Perry's closure recommendations, including the important aspect of military value.

We are aware of efforts to manipulate the results conducted by the Department of Defense through the presentation of the most favorable data gathered from several years. We trust that your staff will take this into account while in the process of analyzing all the UPTs.

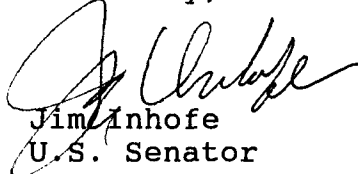
We understand the difficulty in making an "apples to apples" comparison of UPT bases because they are in the different services, and the ultimate decisions the Commission will reach will be difficult given the reputation of all these bases. We believe that an objective internal review of this data is imperative before any possible Commission action involving all of the installations included in the UPT Cross-service analysis. We respectfully request that the Commission provide us the results of its study when it is completed.

We stand ready to assist you in this effort with any information you may require. Thank you for your consideration and we look forward to hearing from you.

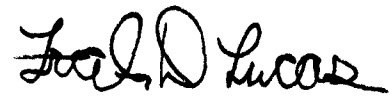
Sincerely,



Don Nickles  
U.S. Senator



Jim Inhofe  
U.S. Senator



Frank Lucas  
Member of Congress





**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

Please refer to this number  
when responding **950411-14R1**

ALAN J. DIXON, CHAIRMAN

COMMISSIONERS:

AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

April 17, 1995

The Honorable Don Nickles  
United States Senate  
Washington, DC 20510

Dear Don:

Thank you for your recent letter concerning Undergraduate Pilot Training (UPT). I appreciate your interest in the base closure and realignment process and welcome your comments.

You may be certain that the Commission will thoroughly review all of the work done by the Joint Cross Service Groups in relation to UPT. The Commission held a hearing on April 17, 1995, to question the chiefs of the Joint Cross Service Groups and the individual military services about their work on UPT. The hearing provided a great deal of information that will be very helpful as we continue our analysis of the recommendations by the Secretary of Defense.

I look forward to working with you during this difficult and challenging process. Please do not hesitate to contact me whenever you believe I may be of service.

Sincerely,

Alan J. Dixon  
Chairman



**DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**  
1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

Please refer to this number  
when responding 950411-MR1

April 17, 1995

The Honorable James M. Inhofe  
United States Senate  
Washington, DC 20510

Dear Senator Inhofe:

Thank you for your recent letter concerning Undergraduate Pilot Training (UPT). I appreciate your interest in the base closure and realignment process and welcome your comments.

You may be certain that the Commission will thoroughly review all of the work done by the Joint Cross Service Groups in relation to UPT. The Commission held a hearing on April 17, 1995, to question the chiefs of the Joint Cross Service Groups and the individual military services about their work on UPT. The hearing provided a great deal of information that will be very helpful as we continue our analysis of the recommendations by the Secretary of Defense.

I look forward to working with you during this difficult and challenging process. Please do not hesitate to contact me whenever you believe I may be of service.

Sincerely,

Alan J. Dixon  
Chairman



**DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**  
1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

Please refer to this number  
when responding 950411-1421

April 17, 1995

The Honorable Frank Lucas  
United States House of Representatives  
Washington, DC 20515

Dear Congressman Lucas:

Thank you for your recent letter concerning Undergraduate Pilot Training (UPT). I appreciate your interest in the base closure and realignment process and welcome your comments.

You may be certain that the Commission will thoroughly review all of the work done by the Joint Cross Service Groups in relation to UPT. The Commission held a hearing on April 17, 1995, to question the chiefs of the Joint Cross Service Groups and the individual military services about their work on UPT. The hearing provided a great deal of information that will be very helpful as we continue our analysis of the recommendations by the Secretary of Defense.

I look forward to working with you during this difficult and challenging process. Please do not hesitate to contact me whenever you believe I may be of service.

Sincerely,

Alan J. Dixon  
Chairman

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950411-15

FROM: DIXON, A	TO: COWINGS, JOHN S.
TITLE: CHAIRMAN	TITLE: COMMANDER (MADGEN)
ORGANIZATION: DBCRC	ORGANIZATION: AVIATION & TROOP COMMAND
INSTALLATION (S) DISCUSSED: AVIATION & TROOP COMMAND	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL	✓			COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOKA			
				COMMISSIONER ROBLES			
DIR. CONGRESSIONAL LIAISON				COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A			
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER			
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR. INFORMATION SERVICES				BRITTA BRACKNEY	✓		

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature		Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

THANK YOU FOR ASSISTANCE DURING TRIP TO THE AVIATION & TROOP COMMAND.

Use Date:	Routing Date: 950411	Date Originated: 950410	Mail Date: 950411
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**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**  
1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

April 10, 1995

ALAN J. DIXON, CHAIRMAN

COMMISSIONERS:  
AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

Major General John S. Cowings, USA  
Commander  
Aviation and Troop Command  
St. Louis, MO 63102

Please refer to this number  
when recording 950411-15

Dear General Cowings:

I want to thank you for all of your assistance during Commissioner Kling's and my recent visit to the Aviation and Troop Command. The briefings and discussions with you, your staff, and community officials provided us with a great deal of valuable information about the services provided by the Command. This information will be very helpful to the Commission as we carry out our review of the recommendations of the Secretary of Defense in the months ahead.

Please extend my appreciation to the members of your staff for their assistance. I would also like to thank Mr. Bob Hunt and Shelley Feltmeyer for their efforts in planning and coordinating the base visit.

Sincerely,

Alan J. Dixon  
Chairman



**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425

ARLINGTON, VA 22209

703-696-0504

ALAN J. DIXON, CHAIRMAN

April 10, 1995

**COMMISSIONERS:**

AL CORNELLA

REBECCA COX

GEN J. B. DAVIS, USAF (RET)

S. LEE KLING

RADM BENJAMIN F. MONTOYA, USN (RET)

MG JOSUE ROBLES, JR., USA (RET)

WENDI LOUISE STEELE

Colonel (Retired) Philip R. Hoge  
Chief, St. Louis Task Force  
100 South Fourth Street, Suite 500  
St. Louis, MO 63102

Please refer to this number  
when responding 950411-15

Dear Colonel Hoge:

I want to thank you for all of your assistance during Commissioner Kling's and my recent visit to the Aviation and Troop Command. The briefings and discussions with you provided us with a great deal of valuable information about the services provided by the Center. This information will be very helpful to the Commission as we carry out our review of the recommendations of the Secretary of Defense in the months ahead.

Please extend my appreciation to the members of your staff for their assistance.

Sincerely,



Alan J. Dixon  
Chairman

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950411-16

FROM: DIXON	TO: ARRINGTON, RICHARD
TITLE: CHAIRMAN	TITLE: MAYOR
ORGANIZATION: DBCRC	ORGANIZATION: BIRMINGHAM, AL
INSTALLATION (S) DISCUSSED:	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL	✓			COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
				COMMISSIONER ROBLES			
DIR. CONGRESSIONAL LIAISON				COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A			
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER			
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR. INFORMATION SERVICES				BRITTA BRACKNEY	✓		

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature		Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:  
~~THANK YOU FOR SPONSORING THE BIRMINGHAM REGIONAL HEARING.~~  
 THANK YOU FOR SPONSORING THE BIRMINGHAM REGIONAL HEARING.

Rec Date:	Routing Date: 950411	Date Originated: 950407	Mail Date: 950411
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DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

April 7, 1995

The Honorable Richard Arrington, Jr.  
Mayor  
City of Birmingham  
710 North 20th Street  
Birmingham, Alabama 35203

Please refer to this number  
when responding 950411-16

Dear Mayor Arrington:

On behalf of all the Commissioners on the Defense Base Closure and Realignment Commission, I want to thank you for sponsoring the 1995 Birmingham Regional Hearing. Your office was instrumental in the success of the hearing on Tuesday, April 4.

I would particularly like to recognize the efforts of Mr. Gary Cannon and Mr. William Robinson of the Boutwell Auditorium staff. Their superb service to the Commission staff and exceptional support during the hearing was very much appreciated. In addition, the Birmingham Chamber of Commerce provided valuable assistance throughout our visit.

Kindest personal regards.

Sincerely,

A handwritten signature in black ink that reads "Alan J. Dixon". The signature is stylized and cursive.

Alan J. Dixon  
Chairman



THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) #

9504 11-17

FROM: CORNELLA, AL	TO: BEAUCHAMP, ROYE,
TITLE: COMMISSIONER	TITLE: COMMANDER, (BRIGGEN)
ORGANIZATION: DBCRC	ORGANIZATION: DEF. INDUSTRIAL SUPPLY CENTER
INSTALLATION (S) DISCUSSED:	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL	✓			COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTONA			
				COMMISSIONER ROBLES			
DIR. CONGRESSIONAL LIAISON				COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A			
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER			
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR. INFORMATION SERVICES				BRITTA BRACKNEY			

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature	Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature	Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓ FYI

Subject/Remarks:

THANK YOU FOR ASSISTANCE DURING VISIT TO THE DEFENSE INDUSTRIAL SUPPLY CENTER.

File Date: 

Routing Date: 950411

Date Originated: 950410

Mail Date: 950411



**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**  
1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

ALAN J. DIXON, CHAIRMAN

April 10, 1995

COMMISSIONERS:  
AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

Brigadier General Roy E. Beauchamp, USA  
Commander  
Defense Industrial Supply Center  
700 Robbins Avenue  
Philadelphia, PA 19111-5096

Please refer to the number  
when responding 950411-17

Dear Brigadier General Beauchamp:

I want to thank you for all of your assistance during my recent visit to the Defense Industrial Supply Center. The briefings and discussions with you, your staff and the community officials provided us with a great deal of valuable information about the operations of the Defense Industrial Supply Center. This information will be very helpful to the Commission as we carry out our review of the recommendations of the Secretary of Defense in the months ahead.

Please extend my appreciation to the members of your staff for their assistance. The briefings and tours conducted by them were very informative.

Sincerely,

Al Cornella  
Commissioner



**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425

ARLINGTON, VA 22209

703-696-0504

ALAN J. DIXON, CHAIRMAN

April 10, 1995

COMMISSIONERS:

AL CORNELLA

REBECCA COX

GEN J. B. DAVIS, USAF (RET)

S. LEE KLING

RADM BENJAMIN F. MONTOYA, USN (RET)

MG JOSUE ROBLES, JR., USA (RET)

WENDI LOUISE STEELE

The Honorable Edward G. Rendell  
Mayor, City of Philadelphia  
Room 215, City Hall  
Philadelphia, PA 19107-3295

Please refer to this number  
when responding 950411-17

Dear Mayor Rendell:

I want to thank you for sharing your views with me regarding the Defense Industrial Supply Center. The briefings and discussions with you and the other community officials provided us with a great deal of valuable information about the operations of the Defense Industrial Supply Center. This information will be very helpful to the Commission as we carry out our review of the recommendations of the Secretary of Defense in the months ahead.

Please extend my appreciation to the members of your staff for their assistance. The briefings and tours I attended were very informative.

Sincerely,

Al Cornella  
Commissioner

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950411-18

FROM: DOMENICKI, PETE	TO: BLUME, JAY
TITLE: SENATOR (NM)	TITLE: SPECIAL ASST
ORGANIZATION: U. S. CONGRESS	ORGANIZATION: HEADQUARTERS USAF
INSTALLATION (S) DISCUSSED: KIRTLAND AFB	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DEYON				COMMISSIONER CORNELLA	✓		
STAFF DIRECTOR	✓			COMMISSIONER COX	✓		
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS	✓		
GENERAL COUNSEL	✓			COMMISSIONER KLING	✓		
MILITARY EXECUTIVE				COMMISSIONER MONTOYA	✓		
				COMMISSIONER ROBLES	✓		
DIR. CONGRESSIONAL LIAISON	✓			COMMISSIONER STEELE	✓		
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER	✓		
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER	✓		
DIR. INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature	Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature	Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓ FYI

Subject/Remarks:

STATING THAT THE APRIL 7 AIR FORCE RESPONSE TO THEIR REQUEST FOR REVISED COST DATA REGARDING KIRTLAND AFB IS UNACCEPTABLE. ~~REQUESTING~~ REQUESTING NEW DATA BY APRIL 13.

Rec Date:	Routing Date: 950411	Date Originated: 950411	Mail Date:
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# United States Senate

WASHINGTON, DC 20510

April 11, 1995

Please refer to this number  
when responding 950411-18

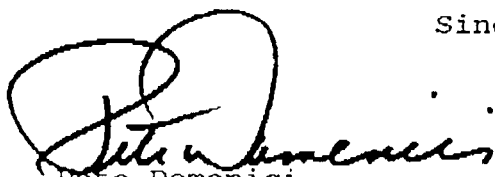
Major General Jay Blume  
AF/RT 5D1021  
United States Department of the Air Force  
The Pentagon  
Washington D.C. 20330

Dear Major General Blume:

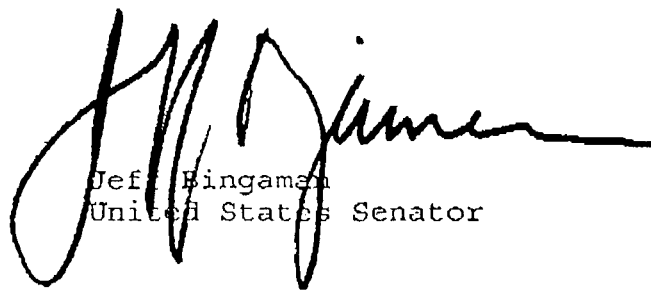
On April 7, 1995, we received the Air Force's response to our request for revised cost data regarding Kirtland Air Force Base. The continuing attempt by the Air Force to conceal vital information from our delegation causes us great concern. The Secretary of Defense has committed to providing us with access to any and all information we require in preparing our case for the Defense Base Closure and Realignment Commission (BRAC).

We are growing tired of having to remind the Air Force of the Secretary of Defense's commitment to us. The April 7, 1995, response we received is entirely unacceptable. We must be prepared to present our case to the BRAC on April 20th. Our request for the revised cost data is consistent with the Secretary's commitment to us, regardless of whether Air Force Materiel Command and the Base Closure Executive Group have validated the findings. Please have the Air Force revised cost data, reviewed and validated or not, delivered to us by Thursday, April 13, 1995.

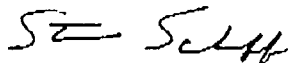
Sincerely,



Pete Domenici  
United States Senator



Jeff Bingaman  
United States Senator



Steve Schiff  
Member of Congress

cc: The Honorable William Perry  
The Honorable Alan Dixon

# United States Senate

WASHINGTON, DC 20510

April 11, 1995

Major General Jay Blume  
AF/RT 5D1021  
United States Department of the Air Force  
The Pentagon  
Washington D.C. 20330

Please refer to this number  
when responding 950411-18

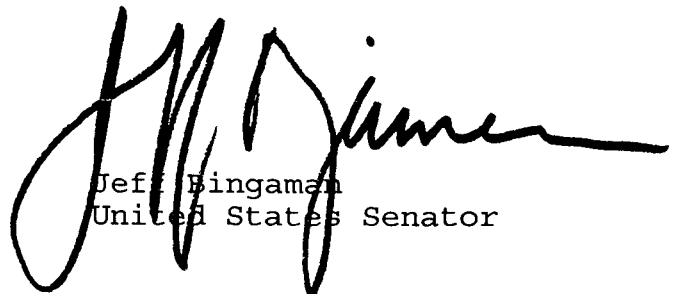
Dear Major General Blume:


On April 7, 1995, we received the Air Force's response to our request for revised cost data regarding Kirtland Air Force Base. The continuing attempt by the Air Force to conceal vital information from our delegation causes us great concern. The Secretary of Defense has committed to providing us with access to any and all information we require in preparing our case for the Defense Base Closure and Realignment Commission (BRAC).

We are growing tired of having to remind the Air Force of the Secretary of Defense's commitment to us. The April 7, 1995, response we received is entirely unacceptable. We must be prepared to present our case to the BRAC on April 20th. Our request for the revised cost data is consistent with the Secretary's commitment to us, regardless of whether Air Force Materiel Command and the Base Closure Executive Group have validated the findings. Please have the Air Force revised cost data, reviewed and validated or not, delivered to us by Thursday, April 13, 1995.

Sincerely,

  
Pete Domenici  
United States Senator

  
Jeff Bingaman  
United States Senator

  
Steve Schiff  
Member of Congress

cc: The Honorable William Perry  
The Honorable Alan Dixon

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950411-19

FROM:	TO: GENERAL
TITLE: LEGISLATURE	TITLE:
ORGANIZATION: STATE OF NEW MEXICO	ORGANIZATION: DBCRC
INSTALLATION (S) DISCUSSED: KIRTLAND AFB	

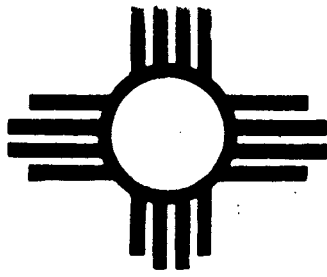
OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA	✓		
STAFF DIRECTOR	✓			COMMISSIONER COX	✓		
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS	✓		
GENERAL COUNSEL	✓			COMMISSIONER KLING	✓		
MILITARY EXECUTIVE				COMMISSIONER MONTOYA	✓		
				COMMISSIONER ROBLES	✓		
DIR. CONGRESSIONAL LIAISON	✓			COMMISSIONER STEELE	✓		
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER	✓		
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR. INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature	Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature	Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓ FYI

Subject/Remarks:  
 FORWARDING COPY OF HOUSE JOINT MEMORIAL 31,  
 WHICH REQUESTS DOD AND DBCRC TO MAINTAIN FULL  
 OPERATIONS AT KIRTLAND.

File Date:	Routing Date: 950411	Date Originated:	Mail Date:
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# The Legislature

of the

Please refer to this number  
when responding 950411-19

# State of New Mexico

42nd Legislature, 1st Session

LAWS 1995

CHAPTER \_\_\_\_\_

HOUSE JOINT MEMORIAL 31

## Introduced by

REPRESENTATIVES RAYMOND G. SANCHEZ, ANNA MARIE CROOK, KIP W. NICELY, ROBERT P. WALLACH, JOE M STELL, JAMES ROGER MADALENA, SAMUEL F. VIGIL, DEBBIE A. RODELLA, GARY KING, LUCIANO "LUCKY" VARELA, WESLEY L. GRAU, GEORGE D. BUFFETT, RICK MIERA, J. PAUL TAYLOR, ARTHUR C. HAWKINS, PAULINE K. GUBBELS, HENRY KIKI SAAVEDRA, EARLENE ROBERTS, GERALD E. WEEKS, TERRY T. MARQUARDT, DAVID M. PARSONS, LARRY A. LARRANAGA, RICHARD T. (DICK) KNOWLES, THOMAS G. DOLLIVER, TED HOBBS, SHERYL M. WILLIAMS, JERRY LEE ALWIN, DELORES C. WRIGHT, DANICE R. PICRAUX, VINCENT "SMILEY" GALLEGOS, FRANK BIRD, VINCE MARTINEZ, JERRY W. SANDEL, PATSY G. TRUJILLO, E. SHIRLEY BACA, CISCO MCSORLEY, NICK L. SALAZAR, ALBERT GURULE, THOMAS P. FOY, GLORIA VAUGHN, JOSE R. ABEYTA, ROBERTO "BOBBY" J. GONZALES, RICHARD "RAY" SANCHEZ, EDDIE CORLEY, BARBARA A. PEREA CASEY, MAX COLL, LYNDA M. LOVEJOY, BEN LUJAN, WALLACE CHARLEY, JAMES G. TAYLOR, MICHAEL OLGUIN, FRED LUNA, EDWARD C. SANDOVAL, LEO C. WATCHMAN, JR., MIMI STEWART AND SAMUEL REYES





1 A JOINT MEMORIAL

2 PETITIONING THE UNITED STATES DEPARTMENT OF DEFENSE AND THE  
3 DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION TO MAINTAIN  
4 FULL OPERATIONS AT THE KIRTLAND AIR FORCE BASE COMPLEX AND TO  
5 CONTINUE DIVERSIFICATION PURSUANT TO THE DEFENSE CONVERSION  
6 AND TECHNOLOGY ACT.

7  
8 WHEREAS, as the nation and New Mexico continue to adjust  
9 to federal budget cuts and defense downsizing in the post  
10 Cold War era, policymakers are cautioned against jeopardizing  
11 the critical national defense infrastructure established over  
12 the last fifty years; and

13 WHEREAS, through the efforts of New Mexico's former  
14 congressional delegation, led by Senators Dennis Chavez,  
15 Clinton P. Anderson and Joseph Montoya and Congressman Tom  
16 Morris, and more recently, by Senators Pete Domenici and Jeff  
17 Bingaman and Congressmen Bill Richardson, Joe Skeen and Steve  
18 Schiff, New Mexico has made an enormous contribution to  
19 national defense and to the stability and growth of the state  
20 economy with its ongoing work at its major defense  
21 facilities, including Kirtland air force base; and

22 WHEREAS, these defense facilities provide thousands of  
23 jobs in the state and the closure or realignment of any one  
24 of these facilities will have a severe economic impact on  
25 local economies; and

1           WHEREAS, policymakers and decisionmakers responsible for  
2 the closure and realignment process have already observed the  
3 dramatic impact of the closure process on local communities  
4 as well as the enormous costs incurred in the closure  
5 process; and

6           WHEREAS, the United States department of defense is  
7 urged to recognize the one hundred twenty million dollars  
8 (\$120,000,000) that has been invested in Kirtland over the  
9 past three years, the growing research synergy between the  
10 needs of the air force and the United States department of  
11 energy and the enduring value of Kirtland as a regional  
12 nuclear weapons facility; and

13           WHEREAS, for over three decades, New Mexico, with its  
14 near-perfect flying conditions and varied topography, has  
15 proven to be a world class flight training and combat  
16 readiness center; and

17           WHEREAS, New Mexico's demographics, including its  
18 emerging minority-majority population, allows the department  
19 of defense to both recruit minorities and work with minority  
20 subcontractors; and

21           WHEREAS, recognizing the future value of Kirtland as a  
22 modern military base, its potential as a space center and its  
23 commitment to civilian technology transfer, the department of  
24 defense and the defense base closure and realignment  
25 commission are urged to consider those factors in its

1 deliberations;

2 NOW, THEREFORE, BE IT RESOLVED BY THE LEGISLATURE OF THE  
3 STATE OF NEW MEXICO that the United States department of  
4 defense and the defense base closure and realignment  
5 commission be petitioned to maintain the full integrity of  
6 the Kirtland air force base complex; and

7 BE IT FURTHER RESOLVED that the congressional delegation  
8 be requested to work with the New Mexico state legislature in  
9 its continuing efforts to diversify the state economy  
10 pursuant to the Defense Conversion and Technology Act; and

11 BE IT FURTHER RESOLVED that copies of this memorial be  
12 transmitted to the secretary of the United States department  
13 of defense, the defense base closure and realignment  
14 commission and the members of the New Mexico congressional  
15 delegation.

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25

S/ RAYMOND G. SANCHEZ  
RAYMOND G. SANCHEZ, SPEAKER  
HOUSE OF REPRESENTATIVES

S/ STEPHEN R. ARIAS  
STEPHEN R. ARIAS, CHIEF CLERK  
HOUSE OF REPRESENTATIVES

S/ WALTER D. BRADLEY  
WALTER D. BRADLEY, PRESIDENT  
SENATE

S/ MARGARET LARRAGOITE  
MARGARET LARRAGOITE, CHIEF CLERK  
SENATE

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950411-20

FROM: ATKINSON, JANE G.	TO: GENERAL
TITLE: PRESIDENT	TITLE:
ORGANIZATION: VICTORIA, VA CHAMBER	ORGANIZATION: DBCRC
INSTALLATION (S) DISCUSSED: FT PICKETT	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL	✓			COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
				COMMISSIONER ROBLES			
DIR. CONGRESSIONAL LIAISON				COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER	✓		
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR. INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature	Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature	Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓ FYI

Subject/Remarks:  
 FORWARDING AN ENDORSEMENT RESOLUTION IN SUPPORT OF FT PICKETT.

Use Date:	Routing Date: 950411	Date Originated:	Mail Date:
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# VICTORIA CHAMBER OF COMMERCE

P. O. BOX 949  
VICTORIA, VIRGINIA 23974

Please refer to this number  
when responding 950441-20

## ENDORSEMENT RESOLUTION

WHEREAS, Fort Pickett has four capable tank ranges that can be used for training purposes 24 hours a day, 7 days a week.

WHEREAS, air space is reserved for artillery and tank firings 24 hours a day, 7 days a week.

WHEREAS, a recent expansion has increased the airport runway to 5,300 feet at Fort Pickett. This will permit C-17 aircraft to be accommodated at Fort Pickett.

WHEREAS, rail is located on site at Fort Pickett. Previously, this information was incorrectly reported by the Defense Department.

WHEREAS, the military value of Fort Pickett is one of great importance to ALL branches of the service. Other installations are at full capacity and/or cannot offer the type of terrain essential for effective armor and artillery training.

WHEREAS, the expansion to the existing tank ranges and the construction of a multi-million dollar tank washing facility were never considered in the Defense Department's recommendation.

WHEREAS, the Surface Danger Area located at Fort Pickett is a feature not matched at other facilities between Fort Bragg and Fort Drum.

WHEREAS, a MOUT Site and a 16 building Mock City Live Fire Assault Course offers training to urban infantry, federal, state and local law enforcement agencies.

WHEREAS, Fort Pickett is a contributing asset to our region by their involvement in community and civic activities.

NOW, THEREFORE, BE IT RESOLVED; that the Board of Directors of the Victoria Chamber of Commerce and all members express their strongest opposition to the proposed closing of Fort Pickett located in Nottoway County, Virginia and express their strongest support for the continued operation of this base to serve the needs and interests of all citizens in the Southside region of Virginia.

Date: March 28, 1995

Jane G. Atkinson  
Jane G. Atkinson, President

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) #

950411-21

FROM: TAUB, LAURENCE	TO: YELLIN, ALEX
TITLE:	TITLE: NAVY TEAM LEADER
ORGANIZATION: THICKSTEN, GRIMM, BURBANK INC	ORGANIZATION: OBCRC
INSTALLATION (S) DISCUSSED:	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL	✓			COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
				COMMISSIONER ROBLES			
DIR. CONGRESSIONAL LIAISON				COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER		⓪	
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR. INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature	⓪	Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

PROVIDING PAPER WHICH DISCUSSES A FOUR-POINT APPROACH TO THE REALIGNMENT AND/OR CLOSURE OF ANNUAL SHIPYARDS.

\*SECOND PART TO FOLLOW LATER

Use Date: 950418	Routing Date: 950411	Date Originated:	Mail Date:
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# ALTERNATIVES TO THE NAVY'S NAVAL SHIPYARD BRAC RECOMMENDATIONS

Please refer to this number  
when responding 950411-21

## 1.0 Overall Approach

1.0.1 This and a paper to follow discuss a four point approach to the realignment and/or closure of Naval Shipyards (NSYs).

- o The Navy's BRAC Logic and Process:
  - Did not follow Title 10 USC
  - Did not follow Force Structure
  - Did not follow Selection Criteria
- o Portsmouth NSY and Pearl Harbor NSY should be added to the closure and realignment List and analyzed further.
- o Long Beach NSY should be analyzed further.
- o Alternative plan(s) for the West Coast shipyards, including Pearl Harbor NSY, should be developed.

1.02 Only the first two topics listed above are discussed herein. The latter two will be the subjects of a second paper.

1.03 Only facilities that are on the Base Closure and Realignment List may be discussed before the Commission. Therefore, in order to demonstrate the flaws in the logic and process of the Navy's analysis, Portsmouth NSY and Pearl Harbor NSY must be added to the list. There is clearly overcapacity in the shipyards and alternatives that reduce overhead and overcapacity are required.



1.0.4 The discussion below is organized as follows:

Navy's BRAC-95 Logic and Process

- o Navy's BRAC-95 Approach to Capacity Analysis
- o Navy's BRAC-93 Approach to Capacity Analysis
- o Performance of Nonnuclear Work
- o Performance of Nuclear Work
- o Uniqueness of Portsmouth NSY
- o Uncertainty of Future Workload
  - Consequences of Cancellation of Submarine New Construction Program on NSY Workload Capacity during the FYDP
  - Consequences of Cancellation of Submarine New Construction Program on NSY Workload Capacity beyond the FYDP
- o Requirements to Drydock Large Naval Vessels
- o The Navy is Already Planning on Replacing Some of Long Beach NSY's Capacity
- o Guam

1.0.5 Because the Navy's logic and process are flawed, the BRAC should reconsider Portsmouth, Pearl Harbor and Long Beach NSYs. It is clear from the capacity studies that if either Norfolk NSY or Puget Sound NSY were closed, the Navy could not meet its required nuclear workload. Therefore, they do not need to be reconsidered.

## 2.0 Navy's BRAC-95 Logic and Process

2.0.1 The basic elements of the Navy's BRAC-95 logic and process are the following:

- o *"Capacity analysis was conducted by comparing the maximum potential capacity of the NSYs to the workload programmed to support the FY 2001 force structure."<sup>1</sup>*
- o *"...capacity was addressed in DLMYs (Direct Labor Man-Years) only."<sup>2</sup>*
- o *"As in BRAC-93, high (military) value was given to the number and size of drydocks and the variety of shipwork programmed into a shipyard. In assessing military value, the BSEC acknowledged the fact that nonnuclear workload can be accomplished in*

---

<sup>1</sup> DOD Base Closure and Realignment Report to the Commission, Department of the Navy, Analyses and Recommendations (Volume IV), March 1995. Page I-2.

<sup>2</sup> Ibid.

*nuclear capable shipyards, although the reverse is not true. ... and whatever was given up should be something that the Department was comfortable in never having again.*"<sup>3</sup>

- o *"The major driver in the determination of future shipyard requirements is that the size and nature of the future fleet is particularly indefinite. This is particularly true of the attack submarine fleet, comprised principally of SSN 688 class submarines. National and political pressures are increasingly impacting the introduction of a replacement submarine, so the decision to defuel or to refuel the SSN 688 fleet, particularly in view of the relative youth of this class, is commensurately imprecise. Further, only one yard, Portsmouth, currently supports all SSN 688 requirements. ... Accordingly, the BSEC determined that NSY Portsmouth should be removed from consideration for closure because of its unique role as the center of excellence for the SSN 688 class submarines."*<sup>4</sup>
- o *"The Naval Shipyard at Long Beach is the only NSY which performs nonnuclear work exclusively, and its capacity is in excess of predicted future DON requirements. The continuing decreases in force structure eliminate the need to retain the capacity to drydock large naval vessels for emergent requirements, beyond what is required in the private sector."*<sup>5</sup>
- o *"Strategic support to deployed forces can be retained in Guam without maintaining the excess capacity to perform shipwork represented by the SRF (Ship Repair Facility)."*<sup>6</sup>

2.0.2 This set of arguments leads directly to the closure of Long Beach NSY and SRF Guam, with retention of selected maintenance infrastructure at Guam. However, do the facts support the above statements and is the DON compliant with its responsibilities under Title 10 USC?

---

<sup>3</sup> Ibid, page I-3.

<sup>4</sup> Ibid, page I-4, emphasis added.

<sup>5</sup> Ibid, page I-4.

<sup>6</sup> Ibid, page I-5.

## 2.1 Navy's BRAC-95 Approach to Capacity Analysis

2.1.1 The following three elements of the Navy's argument will be discussed together:

- *Capacity analysis was conducted by comparing the maximum potential capacity of the NSYDs to the workload programmed to support the FY 2001 force structure.*
- *Capacity was addressed in DLMYs (Direct Labor Man-Years) only.*
- *High value was given to the number and size of drydocks and the variety of shipwork programmed into a shipyard. In assessing military value, the BSEC acknowledged the fact that nonnuclear workload can be accomplished in nuclear capable shipyards, although the reverse is not true. ... and whatever was given up should be something that the Department was comfortable in never having again.*

2.1.2 Apparently the Navy analysis only considered peacetime workload and compared the maximum potential capacity of the shipyards as a group to the total workload to be accomplished. It is generally accepted that the capability to accomplish industrial work consists of skilled people, established processes, and facilities (i.e., buildings, machine tools, drydocks, handling equipment, etc.). The Navy's approach directly addresses the people, implicitly the processes (assuming they already exist in the naval shipyards), and gives no evidence that facilities were addressed at all despite statements like that quoted in the third paragraph above. This contrasts markedly with the Navy's approach in BRAC-93.

2.1.3 In BRAC-95 the Navy is recommending closure of three<sup>7</sup> of the five large drydocks that aircraft carriers can be repaired in. If one includes the large dock at Newport News Shipbuilding and Drydock Company as a national resource<sup>8</sup>, the Navy is recommending that the large drydocks be by reduced 50%, from six to three.

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<sup>7</sup> Two at Philadelphia and one at Long Beach.

<sup>8</sup> And there is nothing that prevents Newport News from putting commercial work in that drydock, making it unavailable for Navy use.

## 2.2 Navy's BRAC-93 Approach to Capacity Analysis

2.2.1 In the Results of the Capacity Analysis of the Navy's 1993 BRAC Report<sup>9</sup> the first paragraph, which consists of one sentence, states "The capacity of a naval shipyard is based upon drydock utilization and facilities, not upon labor." Later the same section states, "Drydocks seldom are projected to operate at 100% of available capacity since this is a very high risk posture. Navy prudently reserves some capacity for emergent work including voyage repairs; Navy targets for 70% utilization to allow response to fleet emergent work. ... Drydock utilization for FY-90 at all naval shipyards was in excess of 100%... This (the greater than 100%) is due to some special cases where there is more than one ship in the drydock..."

2.2.2 The Navy's BRAC-93 Report<sup>10</sup> listed ten final selection criteria. Number 3 was "the potential to accommodate contingency, mobilization, and future force requirements at receiving locations." In response to this criterion the report states "Additionally, during the review process the determination was made that the Navy needs to preserve and maintain all of the current drydock facilities in the eight naval shipyards for contingency purposes. Therefore, consideration was given to placing the drydocks at Philadelphia Naval Shipyard in a preserved status if the shipyard closes."<sup>11</sup>

2.2.4 Therefore, in 1993 the Navy's position was to keep 30% drydock capacity in reserve and preserve all of the naval shipyards' drydocks for contingency, mobilization, and future force requirements. This was in compliance with United States Code Title 10, Section 2464 which requires that, "It is essential for the nation's defense that Department of Defense Activities maintain a logistics capability (including personnel, equipment, and facilities) to ensure a ready and controlled source of technical competence and resources necessary to ensure effective and timely response to mobilization, national defense contingency situation and other emergency requirements." In 1995 the Navy has based its decisions on peacetime workload with no consideration of drydock capacity for contingency, mobilization, and future force requirements. This is a radical departure from 1993 and is in contradiction to Title 10 USC.

**2.2.4 Conclusion: The Navy's approach to drydock facilities is not in compliance with Title 10 USC and is, therefore, a flawed approach.**

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<sup>9</sup> Base Realignment and Closure Commission Report, Department of the Navy, 1993, Tab A, Naval Shipyards

<sup>10</sup> Ibid

<sup>11</sup> Ibid

## **2.3 Performance of Nonnuclear Work**

2.3.1 The Navy's assertion in its BRAC-95 Report<sup>12</sup> that "Nonnuclear work could be accomplished at any shipyard" is true for Norfolk NSY, Puget Sound NSY, Pearl Harbor NSY, and Long Beach NSY because they all have those skills, processes, and facilities today. Implicit in this assumption is that there are no extra costs associated with doing the work at the various shipyards. This is not true for Portsmouth NSY. Portsmouth has not done any significant surface ship work in over two decades. It would take many years for Portsmouth NSY to establish efficient processes and train its personnel to perform surface ship work in a cost-effective manner. Could surface ship work be done at Portsmouth? Of course. Would it be expensive and/or low quality? Yes. The three drydocks are about 90 years old and expensive to maintain. Drydock number-2 would be tied up with submarine work. Drydock number-1 is not long enough to take a FFG 7 and is of questionable utility for surface ship work; the only surface ship work which could go into it would be work which currently goes to the private sector. Drydock number-3 is just long enough to fit a FFG 7, but not long enough to fit the DDG 51 nor the CG 47 Class ships. Virtually all of the FFG 7's will be out of commission by 2005 through 2010. And, given the learning curve required to develop the skills and processes to perform surface ship work, would Portsmouth 'get up to speed' in time to work on FFG 7's before they went out of commission? Hence, what surface ship work would Portsmouth do? Therefore, the Navy's assumption about fungibility, at no extra cost, of nonnuclear work, especially in the case of Portsmouth NSY, is not correct and would not be correct for a long period of time.

**2.3.2 Conclusion: The assumption that nonnuclear work is fungible demonstrates that the Navy's approach is flawed and requires review.**

## **2.4 Performance of Nuclear Work**

2.4.1 To some extent, nuclear work is fungible. It is true that fueling, defueling, and cutting up of nuclear ships and submarines must be performed in a nuclear qualified shipyard. However, a great deal of nuclear work is now, and always has been, accomplished alongside naval station piers and in home ports using qualified personnel from a nuclear shipyard. In fact, the Navy's proposal to establish a nuclear repair capability at San Diego envisions a nuclear qualified detachment from Puget Sound NSY.

2.4.2 Furthermore, nuclear ships are assigned to nuclear qualified shipyards and all their work is considered nuclear because it is accomplished at the nuclear shipyard. However, 80% of the work on nuclear ships is nonnuclear. For example, Long Beach NSY's large

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<sup>12</sup> Ibid, page I-3.

dock is qualified to perform emergency docking of nuclear carriers. If the work did not involve the nuclear components, Long Beach personnel could perform the work.

**2.4.3 Conclusion: The Navy's approach that nuclear shipyards can do both nuclear and nonnuclear work, but that nonnuclear shipyards can only do nonnuclear work oversimplifies the situation. Making a decision to close a facility based on such an assumption is simplistic and, therefore, inappropriate.**

## **2.5 Uniqueness of Portsmouth NSY**

*2.5.0 The Navy Report states, "The major driver in the determination of future shipyard requirements is that the size and nature of the future fleet is particularly indefinite. This is particularly true of the attack submarine fleet, comprised principally of SSN 688 class submarines. National and political pressures are increasingly impacting the introduction of a replacement submarine, so the decision to defuel or to refuel the SSN 688 fleet, particularly in view of the relative youth of this class, is commensurately imprecise. Further, only one yard, Portsmouth, currently supports all SSN 688 requirements. ... Accordingly, the BSEC determined that NSY Portsmouth should be removed from consideration for closure because of its unique role as the center of excellence for the SSN 688 class submarines."*

**2.5.1 A refueling overhaul consists of defueling (removal of the spent reactor core), refueling (installing a new core), and an overhaul package of work which varies from submarine to submarine as a function of its material condition and number of ShipAlts (ship alterations which are required for improved performance or safety. Defueling nuclear cruisers is core removal only and then they are moved to Puget Sound NSY for scrapping. Puget Sound NSY does all the scrapping of nuclear powered ships because it has the environmental approval to do so and because of its proximity to the storage location for the contaminated material.**

**2.5.2 The quotation is literally correct due to its careful wording and, in particular, its use of the word "currently." The implication of the above quotation is that retention of Portsmouth NSY is essential to perform refueling overhauls of SSN 688 submarines in the future and, without Portsmouth, the other nuclear qualified naval shipyards can not do this work. The facts are as described in the following.**

2.5.3 Portsmouth NSY has almost completed the refueling overhaul of SSN 690, has started on SSN 691, and will soon start SSN 692. Mare Island NSY has completed refueling overhaul of the SSN 688 and is closing. Norfolk NSY has the capability to perform refueling overhauls in Drydock #4 today, as well as the skills and processes to do so. But Drydock #4 is tied up with defueling nuclear cruisers for the next few years. SSN 688 Class refueling overhauls are planned for Norfolk NSY once the nuclear cruiser work is complete. Puget Sound NSY has five drydocks suitable for refueling overhauls of nuclear submarines, but they are tied up with disposal of SSN 637 Class submarines, as well as, the hulls of the nuclear cruisers after they are defueled at Norfolk NSY. Puget Sound NSY is scheduled for refueling overhauls of SSBN Class submarines once the disposal workload completes. Pearl Harbor NSY is being facilitized so it too can do refueling overhauls of nuclear submarines, commencing as early as 1997. The planning yard for the SSN 688 Class is Electric Boat (EB) Division of General Dynamics Corporation, and is not a naval shipyard function.

**2.5.4 Conclusion: Portsmouth NSY is not unique nor is its capability essential to the refueling overhauls of SSN 688 Class submarines.**

## **2.6 Uncertainty of Future Workload**

### **2.6.1 Consequences of Cancellation of Submarine New Construction Program on NSY Workload Capacity during the FYDP**

2.6.1.1 The Navy states that, "*National and political pressures are increasingly impacting the introduction of a replacement submarine, so the decision to defuel or to refuel the SSN 688 fleet, particularly in view of the relative youth of this class, is commensurately imprecise.*" An analysis can be done which bounds the problem. It follows.

2.6.1.2 The submarine new construction program contained in the FYDP has the SSN 23 in fiscal year 96, one new SSN in fiscal year 98, and one more new SSN in fiscal year 00. It is projected that Navy plans are to build one new SSN in fiscal year 02 and then two new SSNs per year starting in fiscal year 03. Most people would agree that two per year, while unlikely, is probably the most optimistic build rate for the new SSN.

2.6.1.3 If the submarine new construction program contained in the FYDP was canceled, the Navy might elect to compensate by performing refueling overhauls of SSN 688 submarines. On a one-for-one basis this would only average one half additional SSN 688 refueling overhaul per year through the FYDP. Beyond the FYDP the rate would be two additional SSN 688 refueling overhauls per year.

2.6.1.4 Portsmouth NSY can perform about one SSN 688 refueling overhaul per year; and starting in fiscal year 1997 Pearl Harbor NSY will have brand new defueling and refueling facilities and is also scheduled to perform about one SSN 688 refueling overhaul per year. If the submarine new construction program is delayed, curtailed or canceled and either Portsmouth NSY or Pearl Harbor NSY were to be closed in fiscal year 1997 or 1998, additional refueling overhauls would have to be scheduled into the workload of Norfolk NSY and/or Puget Sound NSY. During the FYDP, the maximum would be one and a half refueling overhauls per year, i.e., the one not performed at the closed shipyard and the one half due to the cancellation of the entire new construction program.

2.6.1.5 Norfolk NSY is coming to the end of the cruiser defueling work and ought to be able to accomplish one or two of the SSN 688 refueling overhauls before 2000. Puget Sound NSY will have considerable capacity to make up any difference after the SSN 637 Class disposal work completes a couple of years after 2000.

2.6.1.6 The following chart<sup>13</sup> shows a summary of the naval shipyards' SSN 688 Refueling/Defueling Drydocks:

Portsmouth	1 Refuel/2 Defuel
Norfolk	1 Refuel/2 Defuel
Puget Sound	5 Refuel/Defuel
Pearl Harbor	1 Refuel/Defuel (FY 97)

2.6.1.7 **Conclusion:** Therefore, Portsmouth NSY is not the only shipyard that can refuel SSN 688 class submarines, and the capacity to pick up either its or Pearl Harbor's SSN 688 refueling overhaul workload over the FYDP is available from the other nuclear qualified naval shipyards.

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<sup>13</sup> Chart in NAVSEA presentation labelled ALLDOCKS.PPT apples 7/11/94.



## 2.6.2 Consequences of cancellation of submarine new construction program on NSY workload capacity beyond the FYDP

2.6.2.1 An analysis can also be done which bounds the problem beyond the FYDP. A substantial number of the SSN 688 and SSBN submarines planned for refueling overhauls are already in the naval shipyards' workload. Portsmouth, Puget Sound, Norfolk and Pearl Harbor are all planned to perform such work in parallel and continuously. Portsmouth NSY and Pearl Harbor NSY can each do only one refueling overhaul per year. As mentioned above, the worst case would be no more than an additional two SSN 688 refueling overhauls per year. If either Portsmouth NSY or Pearl Harbor NSY were to be closed, the three remaining nuclear shipyards could absorb three more refueling overhauls among the three of them each year as shown at Tab A and summarized in the next paragraph.

2.6.2.2 If it is decided to perform a refueling overhaul on a SSN 688 submarine which was previously planned for defueling and cut up, one refueling overhaul is added to the total workload and one disposal is canceled from the total workload. Refueling overhauls vary from about 330,000 to 450,000 man-days depending on the ShipAlts to be incorporated and problems found during the overhaul. About 400,000 man-days is typical. Defueling SSN 688s takes from 40,000 to 50,000 man-days, say 40,000 to be conservative. Cut up for disposal takes about 20,000 man-days. Thus, adding a refueling overhaul adds about 340,000 man-days, or 2,720,000 man-hours, to the total workload. Two refueling overhauls would add 5,440,000 man-hours to the total workload.

2.6.2.3 The BSEC quotes, Figure 1, the Maximum Potential Capacity of the NSYs for nuclear work as 16.0 thousand Direct Labor Man-Years (DLMYs). It quotes the Predicted FY 2001 Workload as 10.0 thousand DLMYs. Converting these to Direct Labor Man-Hours one obtains:

Nuclear Capacity (FY 2001)	33,280,000 man-hours
Nuclear Workload (FY 2001)	20,800,000 man-hours
Excess Capacity (FY 2001)	12,480,000 man-hours
Add two Refueling Overhauls	5,440,000 man-hours
Revised Excess Capacity (FY 2001)	7,080,000 man-hours

Portsmouth NSY Nuclear Capacity 7,401,000 man-hours (FY 98)  
Pearl Harbor NSY Nuclear Capacity 6,335,000 man-hours (FY 98)

2.6.2.4 This shows that after adding two refueling overhauls of SSN 688 class submarines there is still 7 million man-hours of excess capacity. Seven million man-hours is about equal to the entire nuclear capacity of either Portsmouth NSY or a newly facilitated

## NAVAL SHIPYARDS CAPACITY ANALYSIS

Capacity Measure	Throughput ( DLMYs x 1000)			Percent Excess
	Predicted	Capacity	Excess	
Nuclear	10.0	13.8	3.8	27.4
Non-Nuclear	7.9	12.3	4.5	36.4
<b>TOTAL</b>	<b>17.9</b>	<b>26.2</b>	<b>8.3</b>	<b>31.6</b>
Nuclear	10.1	15.6	5.5	35.1
Non-Nuclear	7.1	11.0	3.8	34.8
<b>TOTAL</b>	<b>17.3</b>	<b>26.6</b>	<b>9.3</b>	<b>35.0</b>
Nuclear	9.0	14.0	5.0	35.9
Non-Nuclear	7.1	11.9	4.8	40.3
<b>TOTAL</b>	<b>16.1</b>	<b>25.9</b>	<b>9.8</b>	<b>37.9</b>
Nuclear	9.0	14.9	5.9	39.7
Non-Nuclear	7.7	11.5	3.8	33.2
<b>TOTAL</b>	<b>16.7</b>	<b>26.4</b>	<b>9.7</b>	<b>36.8</b>
Nuclear	10.6	15.4	4.8	31.0
Non-Nuclear	7.7	11.7	3.4	30.8
<b>TOTAL</b>	<b>18.3</b>	<b>26.4</b>	<b>8.2</b>	<b>30.9</b>
Nuclear	9.7	14.3	4.6	32.0
Non-Nuclear	7.3	11.3	4.0	35.1
<b>TOTAL</b>	<b>17.1</b>	<b>25.6</b>	<b>8.5</b>	<b>33.4</b>
Nuclear	10.0	16.0	6.0	37.5
Non-Nuclear	8.0	9.5	1.5	15.6
<b>TOTAL</b>	<b>18.0</b>	<b>25.4</b>	<b>7.5</b>	<b>29.4</b>

Above 'Capacity' based on Potential Workload provided in the Data Call.

### Figure 1

Pearl Harbor NSY. Thus, either Portsmouth NSY may not be needed or it may not be necessary to facilitate Pearl Harbor NSY to perform refueling overhauls of SSN 688 submarines.

**2.6.2.5 Conclusion:** Therefore, Pearl Harbor NSY and Portsmouth NSY should be added to the Base Closure and Realignment List for further study.

**2.6.3 Conclusion:** Therefore, the BSEC conclusion that Portsmouth NSY must be preserved is without basis. Portsmouth is not unique; EB is the planning yard and the other nuclear qualified shipyards have the capability to do the refueling overhauls of the SSN 688 Class. Furthermore, if either Pearl Harbor NSY or Portsmouth NSY was closed the remaining shipyards have the capacity to absorb not only its workload, but also the additional workload associated with a slowdown or complete stoppage of the attack submarine new construction program.

## **2.7 Requirements to Drydock Large Naval Vessels**

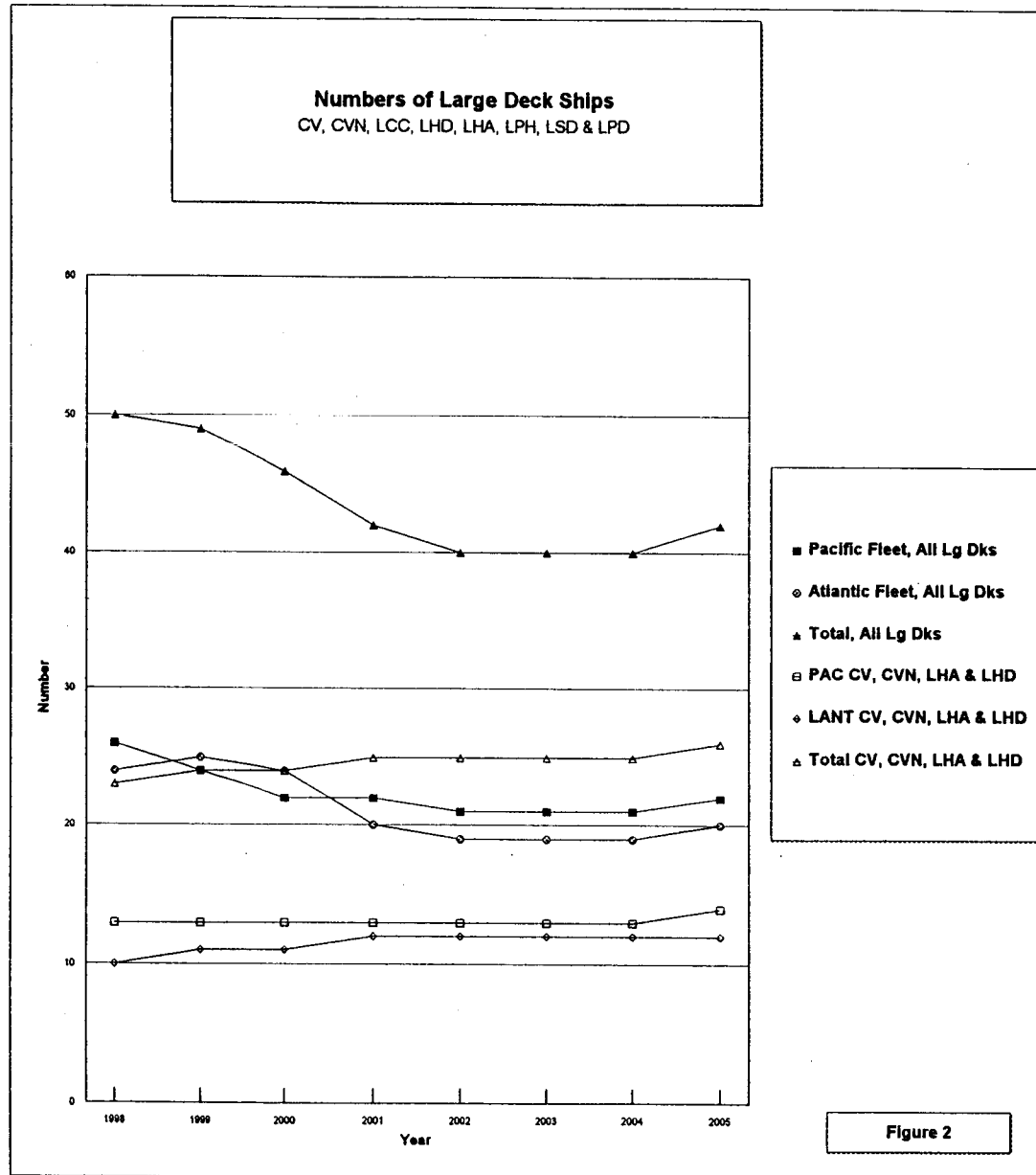
**2.7.1** The Navy states, *"The Naval Shipyard at Long Beach is the only NSY which performs nonnuclear work exclusively, and its capacity is in excess of predicted future DON requirements. The continuing decreases in force structure eliminate the need to retain the capacity to drydock large naval vessels for emergent requirements, beyond what is required in the private sector."*

**2.7.2** Because ships take a long time to build and have thirty and forty year service lives, the future composition of the large deck ships in the Fleet can be developed from a knowledge of its current composition and the SCN Program.<sup>14</sup> This has been done and the results are plotted in Figure 2; the detailed calculations on which Figure 2 is based are contained in Tab B. There are two sets of curves in the figure: one set contains all the large deck ships - CV, CVN, LCC, LHD, LHA, LSD & LPD; and, the other set is only the largest of them - CVN, CV, LHA & LHD. Figure 2 gives the total for each set, but also breaks the total down by the Atlantic and Pacific Fleets. As can be seen from the figure the number of largest ships increases over the period 1998 through 2005. The total of all large deck ships decreases from 1998 until 2002, but begins to increase again in 2004 as the LPD 17 Class is commissioned. The downsizing in the Fleet is taking place among the smaller ships, which are primarily overhauled and repaired in the private sector.

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<sup>14</sup> SCN means Ship Construction Navy and is the budget for shipbuilding, as well as, nuclear aircraft carrier refueling overhauls.

2.7.3 From FY 97 through FY 01, Long Beach NSY is projected to have CV 63, CV 64, LHA 5, LHD 2 and LHA 1 in its drydock on a virtually continuous basis. Except for LHD 2, if Long Beach NSY were to be closed, the Navy has not demonstrated that it has the large drydocks available to handle this work. Congress has limited the use of overseas shipyards to short availabilities and overhauls must be done in the U. S. CV 63 is scheduled for Long Beach NSY in fiscal year 97. Puget Sound NSY would be the obvious answer. However, Puget Sound NSY is projected to overhaul CVN 70 during fiscal year 97 and has the above-mentioned very large workload in defueling and cutting up submarines and nuclear cruisers. Pearl Harbor NSY could drydock the ship, but its channel would require dredging and some upgrading of the facilities at the drydock would be necessary. Unfortunately, the carrier would overhang the sides of the drydock so that the cranes would not be available. Furthermore, due to the tight fit in the drydock only limited work external to the hull could be accomplished. Moreover, the man-day rates at either shipyard are higher than Long Beach's rates and there would be major dislocations of the crew from its homeport.



**2.7.6 Conclusion:** The Navy's conclusion that decreases in force structure eliminates the need to retain the capacity to drydock large naval vessels is completely wrong! The Navy, in effect, homogenized the force structure and homogenized the facilities used to maintain them in order to reach this conclusion. The Navy assumed all ships to be the same and large drydocks to be available. For all practical purposes the number of large deck ships in 2005 is little different from the number of such ships today. Therefore, the Navy's conclusion about the number of large drydocks required is wrong.

## **2.8 The Navy is Already Planning on Replacing Some of Long Beach NSY's Capacity**

2.8.1 The Navy has looked into upgrading and moving *Machinist* (AFDB-8) to Naval Station San Diego to replace the smaller *Steadfast* (AFDM-14) to drydock LHA and LHD size ships, presumably to offset the closure of Long Beach NSY. Towing, pier & structural work, utility upgrades, and dredging are expected to cost almost \$40 million. Overhauling the *Machinist* would cost about \$25 million. However, the *Machinist* does not have the capacity to lift a LHA and adding that lift capability, as well as, the overhaul is estimated to cost about \$125 million.

2.8.2 The Pacific Fleet has gone on record that maintaining access to the Long Beach NSY Drydock #1 is the primary issue of concern with regard to the proposed closure of Long Beach NSY. The closing of Long Beach NSY would eliminate Drydock #1 as the backup drydock for emergency drydock work, and would limit PACFLT's flexibility for emergency CV/CVN drydock work on the West Coast. Therefore, PACFLT recommended that some sort of caretaker status, Government Owned/Contractor Operated relationship or similar appropriate arrangement should be established to provide continued emergency accessibility. It is also known that the PACFLT maintenance staff is assuming that a depot maintenance facility will be built in San Diego. The costs of such a complex would run in the hundreds of millions of dollars and would have to overcome environmental challenges.

**2.8.3 Conclusion:** Long Beach NSY's Capacity to drydock large ships like CV, CVN, LHA and LHD is not excess.

## **2.9 Guam**

2.9.0 The Navy's report states that, "*Strategic support to deployed forces can be retained in Guam without maintaining the excess capacity to perform shipwork represented by the SRF.*" There is no disagreement with the Navy's approach regarding the SRF Guam. It is included here for completeness.

**Tab A**  
**Details of the Workload vs Maximum Potential Capacity Calculations**

	FY 2001					
	Predicted Workload	Maximum Potential Capacity	Excess Capacity	Percent Excess Over Predicted	Percent Excess of Capacity	
<b>Atlantic Shipyards</b>						
Nuclear	10,192,000	18,096,000	7,904,000	77.6%	43.7%	
Non-Nuclear	6,448,000	7,072,000	624,000	9.7%	8.8%	
Total	16,640,000	25,168,000	8,528,000	51.3%	33.9%	
<b>Pacific Shipyards</b>						
Nuclear	10,608,000	15,184,000	4,576,000	43.1%	30.1%	
Non-Nuclear	9,360,000	11,648,000	2,288,000	24.4%	19.6%	
Total	19,968,000	26,832,000	6,864,000	34.4%	25.6%	
Total Nuclear	20,800,000	33,280,000	12,480,000			
Total Non-Nuclear	15,808,000	18,720,000	2,912,000			excludes Guam

	BSEC Numbers		
	(Thousands of Direct Man-Years)		
BSEC Nuclear Calculated	10.0	16.0	6.0
BSEC Non-Nuclear Calc.	8.0	9.5	1.5 includes Guam

52 Weeks/Year  
40 Hours/Week  
2080 Hours/Man-Year  
Example: 10.0 \* 1,000 \* 2,080 = 20,800,000 man-hours

	Close Long Beach			Close Portsmouth			Close Pearl Harbor		
	Nuclear	Non-Nuclear	Total	Nuclear	Non-Nuclear	Total	Nuclear	Non-Nuclear	Total
Atlantic Shipyards Excess Capacity:	7,904,000	624,000	8,528,000	7,904,000	624,000	8,528,000	7,904,000	624,000	8,528,000
Refueling Overhaul(s)	(2,720,000)		(2,720,000)				(2,720,000)		(2,720,000)
Portsmouth Capacity Removed				(7,401,488)	(759,024)	(8,160,512)			
Pacific Shipyards Excess capacity:	4,576,000	2,288,000	6,864,000	4,576,000	2,288,000	6,864,000	4,576,000	2,288,000	6,864,000
Refueling Overhaul(s)	(2,720,000)		(2,720,000)	(5,440,000)		(5,440,000)	(2,720,000)		(2,720,000)
Long Beach Capacity Removed		(5,413,568)	(5,413,568)						
Pearl Harbor Capacity Removed							(6,335,240)	(1,696,760)	(8,032,000)
Total Excess Capacity (Excluding Gua	7,040,000	(2,501,568)	4,538,432	(361,488)	2,152,976	1,791,488	704,760	1,215,240	1,920,000

**Tab A**  
**Workload vs Capacity**  
**BSET Maximum Potential Capacity**  
**(Man-Hours except as Noted)**

**ADDITIONAL REQUIRED CAPACITY**  
**IF SSN NEW CONSTRUCTION TERMINATED**

Assume New Construction Rate of Two SSN's per Year.

**Work Eliminated:**  
Two disposals of SSN's per Year.  
Defueling - 40,000-50,000 man-days each.  
Cut-up - 20,000 man-days each.  
Say, 60,000 man-days each or 480,000 man-hours each  
Total for two: 960,000 man-hours

**Work Added:**  
Two Refueling Overhauls per Year.  
330,000 - 450,000 man-days each as a function of work package.  
Say, 400,000 man-days each or 3,200,000 man-hours each  
Total for two: 6,400,000 man-hours

Net Req'd Capacity: 5,440,000 man-hours for two  
For one Refueling Overhaul 2,720,000 man-hours



**Tab B**  
**Details for Large Deck U. S. Naval Ships**



**Tab B Large Deck U. S. Naval Ships**

source Janes Fighting Ships 1994-1995

SHIP	COMMISSIONED	OVERHAUL or SLEP	DECOMMISSIONED? (30 or 40 years)	FLEET ASSIGNMENT	NOT SURE	LENGTH (feet)	30-Jun-98		30-Jun-99		30-Jun-00		30-Jun-01		30-Jun-02		30-Jun-03		30-Jun-04		30-Jun-05	
							Pacific Fleet	Atlantic Fleet	Pacific Fleet	Atlantic Fleet	Pacific Fleet	Atlantic Fleet	Pacific Fleet	Atlantic Fleet	Pacific Fleet	Atlantic Fleet	Pacific Fleet	Atlantic Fleet	Pacific Fleet	Atlantic Fleet	Pacific Fleet	Atlantic Fleet
LPD 4	Feb-65		Jan-95	Atlantic		570	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LPD 5	Jun-65		Jun-95	Pacific		570	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LPD 6	Dec-65		Dec-95	Pacific		570	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LPD 7	Apr-67		Apr-97	Pacific		570	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LPD 8	Sep-67		Aug-97	Pacific		570	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LPD 9	Oct-68		Oct-98	Pacific		570	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LPD 10	Jul-69		Jul-99	Pacific		570	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
LPD 12	Dec-70		Dec-2000	Atlantic		570	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0
LPD 13	Feb-70		Feb-2000	Atlantic		570	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
LPD 14	Mar-71		Feb-2001	Atlantic		570	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0
LPD 15	Jul-71		Jul-2001	Atlantic		570	0	1	0	1	0	1	0	1	0	0	0	0	0	0	0	0
LPD 17 (ex-LX)	Mar-2003		Mar-2033	Pacific	?	699	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0
LPD 18	Mar-2005		Mar-2035	Atlantic	?	699	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
LPD 19	Mar-2006		Mar-2036	Pacific	?	699	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LPD 20	Sep-2006		Sep-2036	Atlantic	?	699	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LPD 21	Mar-2007		Mar-2037	Pacific	?	699	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LPD 22	Sep-2007		Sep-2037	Atlantic	?	699	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LPD 23	Mar-2008		Mar-2038	Pacific	?	699	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LPD 24	Sep-2008		Sep-2038	Atlantic	?	699	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

LPD Sub-Totals: 2 4 1 4 0 3 0 1 0 0 1 0 0 1 0 1 0 1 0 1 1

**NOTES:**

1. CV/CVN & LCC assumed 40 year life.
2. Other Large Deck assumed 30 year life unless a SLEP or Modernization.
3. SLEP, Modernization or OVERHAUL adds 10 years.
4. Does not include work performed in private yards.

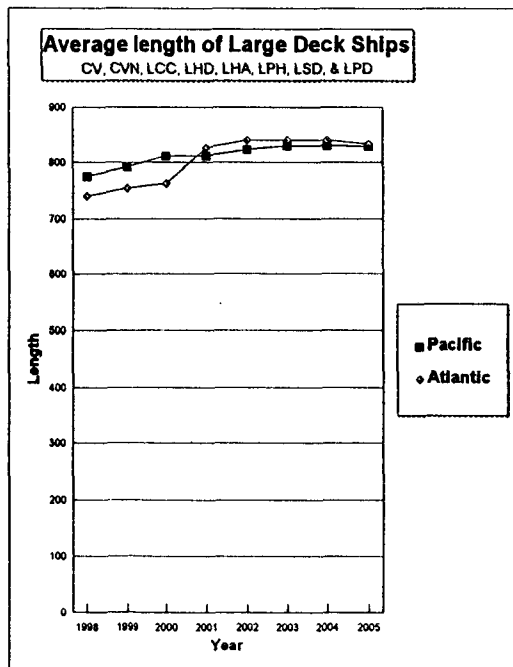
	26	24	24	25	22	24	22	20	21	19	21	19	21	19	21	19	22	20
	Total =	50	Total =	49	Total =	46	Total =	42	Total =	40	Total =	40	Total =	40	Total =	40	Total =	42
Avg. Length	774.3	740.1	792.1	754.2	810.8	761.8	810.8	826.4	823.1	839.9	830.0	839.9	830.0	839.9	830.0	828.1	832.9	

36525 << 100 years

Year	Average Lengths	
	Pacific	Atlantic
1998	774.3	740.1
1999	792.1	754.2
2000	810.8	761.8
2001	810.8	826.4
2002	823.1	839.9
2003	830.0	839.9
2004	830.0	839.9
2005	828.1	832.9

Numbers of Large Deck Ships		
Total	Pacific	Atlantic
50	26	24
49	24	25
46	22	24
42	22	20
40	21	19
40	21	19
40	21	19
42	22	20

Numbers of CV, CVN, LHA & LHD		
Total	Pacific	Atlantic
23	13	10
24	13	11
24	13	11
25	13	12
25	13	12
25	13	12
25	13	12
26	14	12



THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950411-22

FROM: <u>LAWBTON, DAVID R.</u>	TO: <u>CORNELLA, AL</u>
TITLE: <u>MAYOR</u>	TITLE: <u>COMMISSIONER</u>
ORGANIZATION: <u>CITY OF LUBBOCK, TX</u>	ORGANIZATION: <u>DBCRC</u>
INSTALLATION (S) DISCUSSED: <u>REESE AFB</u>	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DEXON				COMMISSIONER CORNELLA	✓		
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL	✓			COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTROYA			
DIR. CONGRESSIONAL LIAISON	✓			COMMISSIONER ROBLES			
DIR. COMMUNICATIONS				COMMISSIONER STEELE			
EXECUTIVE SECRETARIAT				REVIEW AND ANALYSIS			
DIRECTOR OF ADMINISTRATION				DIRECTOR OF R & A	✓		
CHIEF FINANCIAL OFFICER				ARMY TEAM LEADER			
DIRECTOR OF TRAVEL				NAVY TEAM LEADER			
DIR. INFORMATION SERVICES				AIR FORCE TEAM LEADER	✓		
				INTERAGENCY TEAM LEADER	✓		
				CROSS SERVICE TEAM LEADER			

TYPE OF ACTION REQUIRED

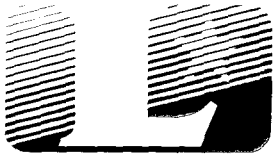
Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature		Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks: THANK YOU FOR VISITING BASE.

Date: \_\_\_\_\_ Routing Date: 950411 Date Originated: 950406 Mail Date: \_\_\_\_\_

CITY OF LUBBOCK

LUBBOCK, TEXAS



LUBBOCK TEXAS  
DAVID R. LANGSTON  
MAYOR

April 6, 1995

Commissioner Al Cornella  
Defense Base Closure and  
Realignment Commission  
1700 North Moore Street, Suite 1425  
Arlington, VA 22209

Dear Commissioner Cornella:

Thank you for attending the luncheon on April 5th, 1995, at the Lubbock Club. As Mayor, it was an honor to have had you and the rest of the Commissioners as my guests. I hope you enjoyed the luncheon as well as your brief tour of our community. As you can imagine, the fate of Reese Air Force Base is a primary concern of mine. Now, having had the opportunity to meet you in person, I am confident that the future of Reese Air Force Base and the Lubbock community is in good hands.

I was extremely impressed by the level of professionalism both you and your staff demonstrated during your stay in Lubbock. The openness exhibited by you and your colleagues, as well as your willingness to listen to the facts and information we presented in regard to Reese Air Force Base, helped ease many of our concerns about the BRAC process. Lubbock felt it was vital for each Commissioner to know that the criteria and data which placed Reese on the closure list was flawed and did not accurately represent the conditions that actually exist at Reese Air Force Base. Likewise, Lubbock wanted to have the opportunity for you to have first hand knowledge of the quality of the base itself and of the Lubbock community.

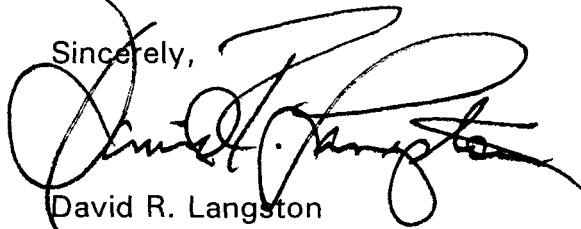
The community's show of support during the motorcade tour through Lubbock bears witness to our devotion and concern for Reese Air Force Base. I would be remiss if I did not mention that the demonstration of support was a combined effort among private and public sector organizations, school children, veterans, churches, and citizens from all walks of life and from the communities which surround Lubbock. Many of the events and demonstrations you witnessed were unplanned, and were

April 6, 1996  
Page 2

spontaneous efforts from individuals who wanted to show their support for retaining Reese. As Mayor, I was delighted and somewhat overwhelmed by the outpouring of love and support our community showed in order to impress upon you how we feel about Reese Air Force Base.

Thank you again for attending the luncheon and for visiting our community. I appreciate the difficulty of the task facing the Base Realignment and Closure Commission, and I would like to thank you on behalf of the Llano Estacado region for taking the time to tour our area before making your decision. I hope our efforts during your stay have touched your heart and mind as much as Reese has touched ours. If I can be of any assistance to you in the future, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "David R. Langston". The signature is fluid and cursive, with a large loop at the beginning and end.

David R. Langston  
Mayor

DRL:JA:os

DRLTHAN1

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950411-23

FROM: MAZZOLI, ROMANO	TO: DIXON
TITLE: ATTORNEY	TITLE: CHAIRMAN
ORGANIZATION: STITES + HARBISON	ORGANIZATION: DBRC
INSTALLATION (S) DISCUSSED: NAVAL ORDINANCE STATION, LOUISVILLE	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL	✓			COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
				COMMISSIONER ROBLES			
DIR. CONGRESSIONAL LIAISON	✓			COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER	✓		
DIR. INFORMATION SERVICES				BRITTA BRACKNEY	✓		

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature	Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature	Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓ FYI

Subject/Remarks:

THANK YOU FOR VISITING BASE. LETTER OF SUPPORT.

File Date:	Routing Date: 950411	Date Originated: 950407	Mail Date:
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**STITES & HARBISON**

421 WEST MAIN STREET  
FRANKFORT, KENTUCKY 40601  
(502) 223-3477  
FACSIMILE (502) 223-4124

400 WEST MARKET STREET  
SUITE 1800

LOUISVILLE, KENTUCKY 40202-3352

(502) 587-3400

FACSIMILE (502) 587-8391

2300 LEXINGTON FINANCIAL CENTER  
LEXINGTON, KENTUCKY 40507  
(606) 226-2300  
FACSIMILE (606) 253-9144

COURT HOUSE PLAZA  
323 EAST COURT AVENUE  
POST OFFICE BOX 946  
JEFFERSONVILLE, INDIANA 47131  
(812) 282-7566  
FACSIMILE (812) 284-5519

HONORABLE ROMANO L. MAZZOLI  
OF COUNSEL

DIRECT DIAL (502) 681-0493

April 7, 1995

Phone: (502) 587-3400  
Fax: (502) 587-8391  
950411-23

Dear Alan -

On behalf of all my friends at Naval Ordnance and on behalf of all my friends in state and local government and on behalf of everyone in the community, thank so much for coming to Louisville yesterday to visit our facility.

We all believe Naval Ordnance has served, serves and can serve the nation as a Center of Excellence for guns and gun support systems. We all hope BRAC will agree, write us and will keep our facility and its people gun and working.

All the best

Tom





**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425 Please refer to file number  
ARLINGTON, VA 22209  
703-696-0504  
950411-23R1

ALAN J. DIXON, CHAIRMAN

**COMMISSIONERS:**

AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

April 17, 1995

The Honorable Romano L. Mazzoli  
Stites & Harbison  
400 West Market Street  
Suite 1800  
Louisville, Kentucky 40202

Dear Ron:

Thank you for your recent note regarding our visit to the Naval Surface Warfare Center, Crane Division Detachment, Louisville, Kentucky. It was good to see you on my visit.

The briefings and discussions with you and the other community officials provided the Commission with a great deal of information about the operations of the facility. This information will be helpful to the Commission as we carry out our review of the recommendations of the Secretary of Defense in the months ahead.

Again, thank you for your note. Please do not hesitate to contact me if you believe I can be of service.

Sincerely,

Alan J. Dixon  
Chairman

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950411-25

FROM: PITTS, WILLIAM F.	TO: DIXON
TITLE: LT GEN; USAF (RET)	TITLE: CHAIRMAN
ORGANIZATION:	ORGANIZATION: DBCRC
INSTALLATION (S) DISCUSSED: MARCH AFB.	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL	✓			COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
				COMMISSIONER ROBLES			
DIR. CONGRESSIONAL LIAISON		✓		COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER	✓		
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR. INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

✓ Prepare Reply for Chairman's Signature	Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature	Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓ FYI

Subject/Remarks:

SUGGESTING DBCRC RELOCATE MARINE CORPS UNITS FROM EL TORO AND TUSTIN TO MARCH AFB.

Date: 950418	Routing Date: 950411	Date Originated: 950404	Mail Date:
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*Lieutenant General William F. Pitts (U.S. (F. Ret.)*

6125 CLARENDON COURT, RIVERSIDE, CA 92506

April 4, 1995

Please refer to this number  
when responding 950411-25

Honorable Alan Dixon, Chairman  
Defense Base Closure & Realignment Commission  
1700 North Moore Street Suite 1425  
Arlington, VA 22209

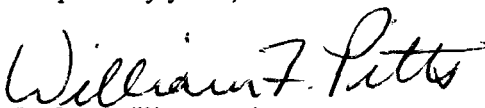
Dear Chairman Dixon:

I am writing to you as a concerned citizen/taxpayer and a career Air Force officer with 36 years in uniform. My concern has to do with the BRAC '93 decision to relocate United States Marine Corps air units from Marine Corps Air Station El Toro and Marine Corps Air Station Tustin to Naval Air Stations Miramar, Fallon, Lemoore and Oceana and to Marine Corps Camp Pendleton. Of specific concern is the proposed relocation of Marine Corps rotary wing aircraft and command elements from USMC Air Stations El Toro and Tustin to Naval Air Station Miramar near San Diego, California. Serious financial and operational shortfalls will accrue if this planned relocation is allowed to happen. A far better solution is to move these organizations to March AFB, California, halfway between Camp Pendleton and Marine Corps Air Ground Combat Center, Twenty-nine Palms, California. The following benefits will derive from such a solution:

1. Greatly enhanced USMC rapid response capability to meet national defense emergency Time Phased Force Deployment List requirements. (March AFB is the Port of Embarkation/Debarcation for the First Marine Corp Expeditionary Force - one of the two rapid deployment forces for the United States.)
2. Improved USMC training capabilities (March AFB is nearer USMC training ranges than NAS Miramar). This translates to an annual savings of \$50 million in operating expenses.
3. \$326 million in immediate saving in relocation movement and facility renovation costs (see attached chart "BRAC '93 Actions vs March AFB BRAC '95 Scenario").
4. \$29 million 10 year cumulative savings in housing and quarters allowance (see attached chart "Cumulative BAQ/VHA Comparison Miramar vs March for ten years").
5. Future cost avoidance of another move if and/or when NAS Miramar becomes San Diego International Airport (to my knowledge no one has done a cost study on this contingency, but it would be BIG).

The above facts can be verified by reviewing BRAC data and a very recently updated U.S. Marine Corps study. Sir, I earnestly request that your commission solicit detailed inputs from the United States Marine Corps in preparation for the scheduled hearing in San Francisco on April 28, 1995. In point of fact, due to the operational and budgetary implications voiced above, it would seem to me to be most prudent to have the Marine Corps appear before your commission and lay out their concerns regarding the NAS Miramar vs March AFB relocation.

Respectfully yours,

  
Lt Gen William F. Pitts, USAF Ret

WFP/nb

Enclosures (2)

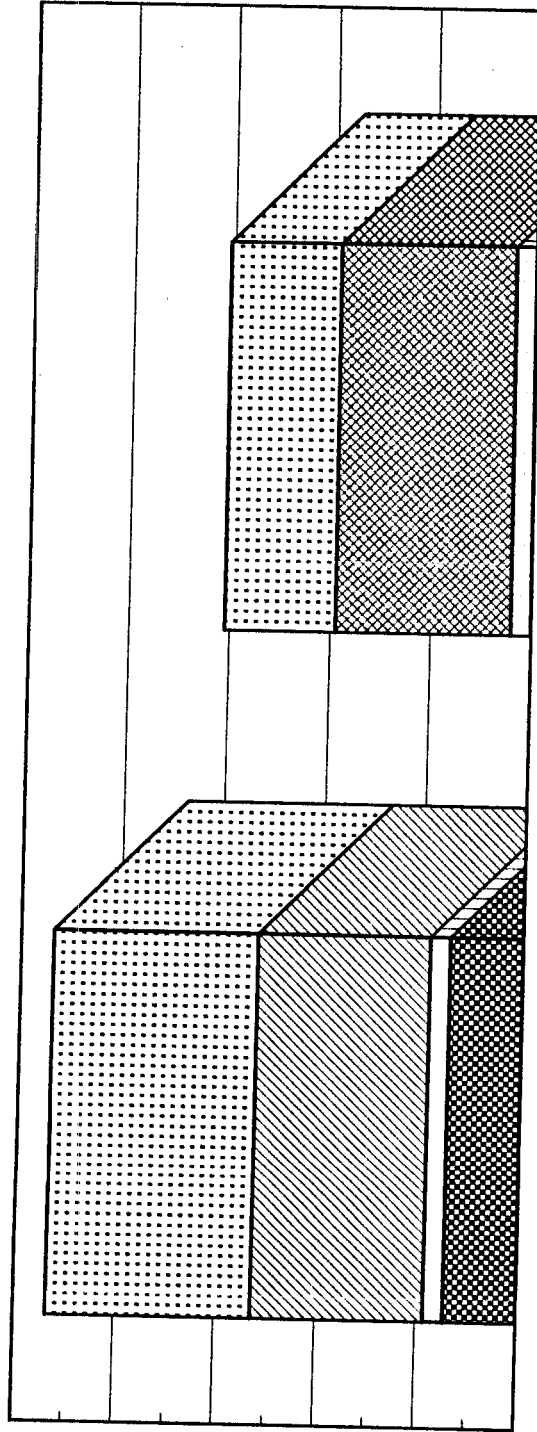
# BRAC '93 Actions

VS.

# March AFB BRAC '95 Scenario

Cost (\$millions)

1,000  
800  
600  
400  
200  
0



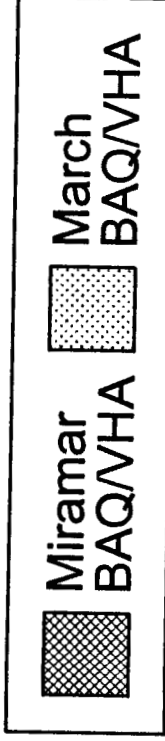
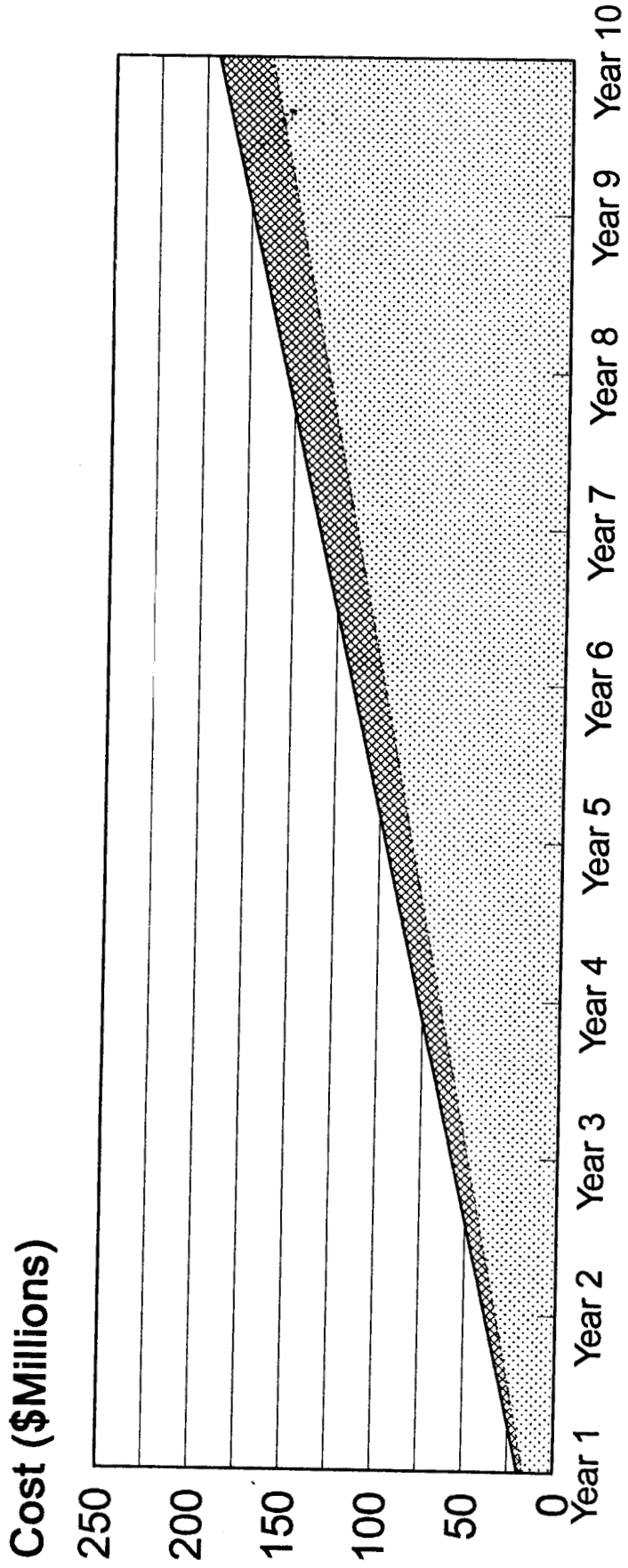
Activities	'93 BRAC Scenario	March AFB Scenario
Camp Pendleton	144.6	0.0
Fallon	40.1	40.1
Lemoore	344.2	0.0
March	0.0	350.0
Miramar	407.2	220.0
Oceana	0.5	0.5
Total Scenario Cost	936.6	610.6

**Savings using March AFB Scenario: \$326.0M**

# Cumulative BAQ/VHA Comparison

## Miramar vs. March

### for ten years



**Cumulative ten year savings of March scenario: \$29.0M**

Note: Savings assume 10% of eligible occupants live in military family housing



**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425

ARLINGTON, VA 22209

703-696-0504

File # 950411-2421

ALAN J. DIXON, CHAIRMAN

COMMISSIONERS:

AL CORNELLA

REBECCA COX

GEN J. B. DAVIS, USAF (RET)

S. LEE KLING

RADM BENJAMIN F. MONTOYA, USN (RET)

MG JOSUE ROBLES, JR., USA (RET)

WENDI LOUISE STEELE

April 14, 1995

The Honorable Bob Bartlett  
Mayor, City of Monrovia  
818 West Seventh Street, 12th Floor  
Los Angeles, CA 90017-3435

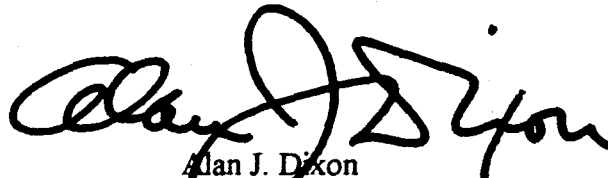
Dear Mayor Bartlett:

Thank you for your recent letter providing the Commission with copies of community resolutions expressing their opposition to further closures of military installations in southern California, particularly the closure of the Long Beach Naval Shipyard. I certainly understand your interest in the base closure and realignment process and welcome your comments.

You may be certain that the Commission will thoroughly review the information used by the Defense Department in making its recommendations. I can assure you that the information you have provided will be considered by the Commission in our review and analysis of the Secretary of Defense's recommendation on the Long Beach Naval Shipyard.

I look forward to working with you during this difficult and challenging process. Please do not hesitate to contact me whenever you believe I may be of service.

Sincerely,



Alan J. Dixon  
Chairman

AJD:cw



**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

Please refer to this number  
when re-ordering 950411-24R1

ALAN J. DIXON, CHAIRMAN

COMMISSIONERS:

AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTAYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

April 14, 1995

The Honorable Douglas Drummond  
Vice-Mayor, City of Long Beach  
818 West Seventh Street, 12th Floor  
Los Angeles, CA 90017-3435

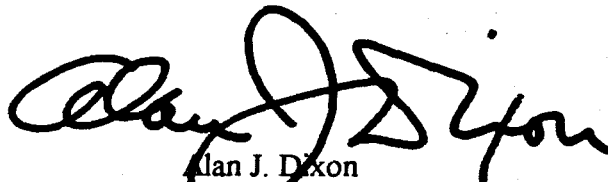
Dear Mayor Drummond:

Thank you for your recent letter providing the Commission with copies of community resolutions expressing their opposition to further closures of military installations in southern California, particularly the closure of the Long Beach Naval Shipyard. I certainly understand your interest in the base closure and realignment process and welcome your comments.

You may be certain that the Commission will thoroughly review the information used by the Defense Department in making its recommendations. I can assure you that the information you have provided will be considered by the Commission in our review and analysis of the Secretary of Defense's recommendation on the Long Beach Naval Shipyard.

I look forward to working with you during this difficult and challenging process. Please do not hesitate to contact me whenever you believe I may be of service.

Sincerely,



Alan J. Dixon  
Chairman

AJD:cw

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950411-24

FROM: DRUMMOND, DOUGLASS	TO: DIXON
TITLE: CO-CHAIR	TITLE: CHAIRMAN
ORGANIZATION: SCAG MIL. BASE CLOSURE COMM	ORGANIZATION: DBCRC
INSTALLATION (S) DISCUSSED: LONG BEACH NAVAL SHIPYARD.	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORVELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL	✓			COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
				COMMISSIONER ROBLES			
DIR. CONGRESSIONAL LIAISON		✓		COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER	✓		
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR. INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

✓ Prepare Reply for Chairman's Signature	Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature	Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓ FYI

Subject/Remarks:

FORWARDING COPY OF RESOLUTIONS PASSED BY JURISDICTIONS IN SOUTHERN CA. OPPOSING MILITARY CLOSINGS, PARTICULARLY LONG BEACH NAVAL SHIPYARD.

Date: 950418	Routing Date: 950411	Date Originated: 950405	Mail Date:
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April 5, 1995

Alan J. Dixon  
Chairman  
Defense Base Closure and Realignment Commission  
1700 North Moore Street, Suite 1425  
Arlington, VA 22209

Please refer to this number  
when responding 9504.11-24

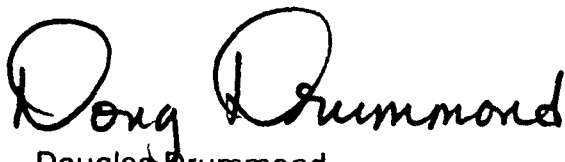
Dear Mr. Chairman:

The Southern California Association of Governments (SCAG) hereby submits copies of resolutions passed by a wide range of jurisdictions in this region opposing military facility closures in Southern California, particularly the proposed closure of the Long Beach Naval Shipyard.

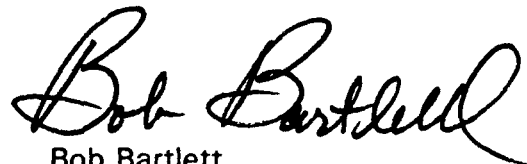
Southern California has already endured billions of dollars and thousands of jobs in losses through Defense Department cutbacks. The attached resolutions reflect the sentiment of an entire region that is still struggling to recover economically.

To date we have received 23 resolutions from cities and counties represented by our 70 member Regional Council, and we will forward copies of additional resolutions as they are submitted to us. We hope you will be able to include these resolutions in the Defense Base Closure and Realignment Commission review and analysis process, and we thank you for your prompt response to the SCAG petition submitted to you earlier in the month of March (ref. #9503.10-2R1). Please direct any questions you may have to Silvia G. Garcia at (213) 236-1802.

Sincerely,



Douglas Drummond  
Vice-Mayor, City of Long Beach  
Co-chair, SCAG Military Base  
Closure Subcommittee



Bob Bartlett  
Mayor, City of Monrovia  
Co-chair, SCAG Military Base  
Closure Subcommittee

**CITIES PASSING RESOLUTIONS OPPOSING CLOSURE OF  
LONG BEACH NAVAL SHIPYARD  
AND ALL OTHER MILITARY FACILITIES  
IN SOUTHERN CALIFORNIA REGION**

<u>City</u>	<u>Resolution</u>	<u>Date</u>
Alhambra	R95-8	February 27, 1995
Azusa	95-C21	February 21, 1995
Big Bear Lake	95-13	February 15, 1995
Brawley	95-14	February 21, 1995
Brea	95-26	March 7, 1995
Carson	95-022	March 7, 1995
Chino Hills	95R-06	February 28, 1995
Coachella	95-11	February 15, 1995
Cudahy	95-4	February 16, 1995
Cypress	4456	March 13, 1995
Duarte	95-2	February 14, 1995
Holtville	95-05	February 13, 1995
Huntington Park	95-10	February 22, 1995
Imperial Valley Assoc. of Govt.'s(not numbered)		March 29, 1995
Malibu	95-378	February 27, 1995
Monrovia	95-13	March 21, 1995
Murrietta	95-344	February 21, 1995
Palm Desert	95-7	February 9, 1995
Palmdale	95-33	March 7, 1995
Paramount	95:010	February 21, 1995
Rancho Palos Verdes	(Statement of Support)	February 21, 1995
Rolling Hills Estates	1783 & 1784	February 28, 1995
Westminster	3221	February 28, 1995

**Total Count: 23**

**A RESOLUTION OF THE  
SOUTHERN CALIFORNIA ASSOCIATION OF GOVERNMENTS  
SUPPORTING THE CONTINUED OPERATIONS OF THE  
LONG BEACH NAVAL SHIPYARD AND OTHER  
SOUTHERN CALIFORNIA MILITARY FACILITIES**

WHEREAS, the State of California has endured billions of dollars of losses through a disproportionate share of Department of Defense closures as mandated by the Federally appointed Base Closures and Realignment Commissions in 1988, 1991, and 1993; and

WHEREAS, it has been documented that the State of California has suffered more than its share of economic devastation during the current worldwide recession, and will be the last of the States to show signs of a positive recovery; and

WHEREAS, the State of California has sustained both human and natural disasters in recent years from earthquakes in San Francisco and Los Angeles areas, fires in Northern and Southern California, and from the civil unrest in the greater Los Angeles area; and

WHEREAS, the State of California through its world pre-eminence in the technologies of earth and space travel, military defense systems and interglobal communications has been the free world's greatest guarantor of peace through strength of leadership; and

WHEREAS, the Southern California region has suffered significant job losses due to federally mandated base closures in 1991-1993; and


WHEREAS, 970 private sector businesses will be affected by closure of Long Beach Naval Shipyard; and

WHEREAS, the closure of Long Beach Naval Shipyard will result in \$757 million annually in regional economic losses;

NOW THEREFORE BE IT RESOLVED, that the Southern California Association of Governments, a general purpose joint powers authority of the 184 cities and 6 counties in Southern California, supports the continued operations of the Long Beach Naval Shipyard and all other military facilities in the Southern California region and will transmit this resolution to the President of the United States and the members of the State of California Congressional delegation in Washington, D.C.; and

BE IT FURTHER RESOLVED, that the Southern California Association of Governments will transmit this resolution to the 184 member cities and 6 member counties in the Southern California region and request that each agency adopt a similar resolution supporting the operations of the Long Beach Naval Shipyard and other military facilities in the region, so that the State of California and the Southern California region will not suffer further economic deprivation caused by such closures.

President

  
Stella A. Mendoza

Executive Director

  
Mark PisanoDate February 3, 1995

City Atty  
2-22-95fm/eh

RESOLUTION NO. R95-8

A RESOLUTION OF THE ALHAMBRA CITY COUNCIL  
SUPPORTING THE CONTINUED OPERATIONS OF THE  
LONG BEACH NAVAL SHIPYARD AND OTHER SOUTHERN  
CALIFORNIA MILITARY FACILITIES

WHEREAS, the state of California has endured billions of dollars of losses through a disproportionate share of Department of Defense closures as mandated by the Federally appointed Base Closures and Realignment Commissions in 1988, 1991, and 1993; and,

WHEREAS, it has been documented that the State of California has suffered more than its share of economic devastation during the current worldwide recession, and will be the last of the States to show signs of a positive recovery; and,

WHEREAS, the State of California has sustained both human and natural disasters in recent years from earthquakes in San Francisco and Los Angeles areas, fires in Northern and Southern California, and from the civil unrest in the greater Los Angeles area; and,

WHEREAS, the State of California through its world pre-eminence in the technologies of earth and space travel, military defense systems and interglobal communications has been the free world's greatest guarantor of peace through strength of leadership; and,

WHEREAS, the Southern California region has suffered significant job losses due to federally mandated base closures in 1991-1993; and,

WHEREAS, 970 private sector businesses will be affected by closure of Long Beach Naval Shipyard; and,

WHEREAS, the closure of Long Beach Naval Shipyard will result in \$757 million annually in regional economic losses;

NOW, THEREFORE, BE IT RESOLVED by the Alhambra City Council that the City of Alhambra supports the continued operations of the Long Beach Naval Shipyard and all other military facilities in the Southern California region and will transmit this resolution to the President of the United States and members of the State of California Congressional delegation in Washington, D.C.

Signed and approved this 27th day of February, 1995.

/s/Mark Paulson

MARK PAULSON, Mayor

ATTEST:

/s/Frances A. Moore

FRANCES A. MOORE, City Clerk

I HEREBY CERTIFY that the above and foregoing resolution was duly passed and adopted by the Alhambra City Council at its regular meeting held on the 27th day of February, 1995, by the following vote, to wit:

AYES: Paulson, Messina, Burke, Talbot, Condie

NOES: None

ABSENT: None

/s/Frances A. Moore

FRANCES A. MOORE, City Clerk

RESOLUTION NO. 25-C21

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF  
AZUSA SUPPORTING THE CONTINUED OPERATIONS OF  
THE LONG BEACH NAVAL SHIPYARD AND OTHER  
SOUTHERN CALIFORNIA MILITARY FACILITIES**

**WHEREAS,** the State of California has endured billions of dollars of losses through a disproportionate share of Department of Defense closures as mandated by the Federally appointed Base Closures and Realignment Commissions in 1988, 1991, and 1993, and

**WHEREAS,** it has been documented that the State of California has suffered more than its share of economic devastation during the current worldwide recession, and will be the last of the States to show signs of a positive recovery, and

**WHEREAS,** the State of California has sustained both human and natural disasters in recent years from earthquakes in San Francisco and Los Angeles areas, fires in Northern and Southern California, and from the civil unrest in the greater Los Angeles area, and

**WHEREAS,** The State of California through its world pre-eminence in the technologies of earth and space travel, military defense systems and interglobal communications has been the free world's greatest guarantor of peace through strength of leadership, and

**WHEREAS,** the Southern California region has suffered significant job losses due to federally mandated base closures in 1991-1993, and

**WHEREAS,** 970 private sector businesses will be affected by closure of the Long Beach Naval Shipyard, and

**WHEREAS,** closure of the Long Beach Naval Shipyard will result in \$757 million annually in regional economic losses.

**NOW THEREFORE BE IT RESOLVED,** that the City Council of the City of Azusa, supports the continued operations of the Long Beach Naval Shipyard and all other military facilities in the Southern California region and will transmit this resolution to the President of the United States and the members of the State of California Congressional delegation in Washington, D.C., and

**BE IT FURTHER RESOLVED,** that the City of Azusa will transmit this resolution to the 184 member cities and 6 member counties in the Southern California region and request that each agency adopt a similar resolution supporting the operations of the Long Beach Naval Shipyard and other military facilities in the region, so that the State of California and Southern California region will not suffer further economic deprivation caused by such closures.

ADOPTED and APPROVED this 21st day of February, 1995 by the following vote of the Council:

Stephen J. Alexander  
MAYOR

AYES: COUNCILMEMBERS: HARTSON, MADRID, NARANJO, BEEBE,  
ALEXANDER

NOES: COUNCILMEMBERS: NONE

ABSENT: COUNCILMEMBERS: NONE

Robert A. Sol  
CITY CLERK

**RESOLUTION NO. 95-13**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF BIG BEAR LAKE, COUNTY OF SAN BERNARDINO, STATE OF CALIFORNIA, SUPPORTING THE CONTINUED OPERATIONS OF THE LONG BEACH NAVAL SHIPYARD AND OTHER SOUTHERN CALIFORNIA MILITARY FACILITIES**

WHEREAS, the State of California has endured billions of dollars of losses through a disproportionate share of Department of Defense closures as mandated by the Federally appointed Base Closures and Realignment Commissions in 1988, 1991, and 1993; and

WHEREAS, it has been documented that the State of California has suffered more than its share of economic devastation during the current worldwide recession, and will be the last of the States to show signs of a positive recovery; and

WHEREAS, the State of California has sustained both human and natural disasters in recent years from earthquakes in San Francisco and Los Angeles areas, fires in Northern and Southern California, and from the civil unrest in the greater Los Angeles area; and

WHEREAS, the State of California through its world pre-eminence in the technologies of earth and space travel, military defense systems and interglobal communications has been the free world's greatest guarantor of peace through strength of leadership; and

WHEREAS, the Southern California region has suffered significant job losses due to federally mandated base closures in 1991-1993; and

WHEREAS, 970 private sector businesses will be affected by closure of Long Beach Naval Shipyard; and

WHEREAS, the closure of Long Beach Naval Shipyard will result in \$757 million annually in regional economic losses;

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Big Bear Lake supports the continued operations of the Long Beach Naval Shipyard and all other military facilities in the Southern California region and will transmit this resolution to the President of the United States and the members of the State of California Congressional delegation in Washington, D.C.




PASSED, APPROVED AND ADOPTED by the City Council of the City of Big Bear Lake on this 15th day of February, 1995.

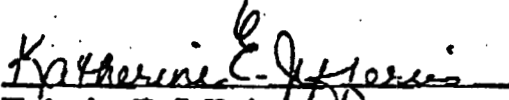
AYES: Hertzmann, Mellen, Schoettger  
NOES: Foulkes  
ABSENT: Walker

February 15, 1995

Date

  
Neal Hertzmann, Mayor

ATTEST:

  
Katherine E. Jefferies  
City Clerk

RESOLUTION NO. 95-14

RESOLUTION OF THE CITY COUNCIL OF  
THE CITY OF BRAWLEY, CALIFORNIA,  
SUPPORTING THE CONTINUED OPERATIONS  
OF THE LONG BEACH NAVAL SHIPYARD AND  
OTHER SOUTHERN CALIFORNIA MILITARY  
FACILITIES.

WHEREAS, the State of California has endured billions of dollars of losses through a disproportionate share of Department of Defense closures as mandated by the Federally appointed Base Closures and Realignment Commissions in 1988, 1991, and 1993; and

WHEREAS, it has been documented that the State of California has suffered more than its share of economic devastation during the current worldwide recession, and will be the last of the States to show signs of a positive recovery; and

WHEREAS, the State of California has sustained both human and natural disasters in recent years from earthquakes in San Francisco and Los Angeles areas, fires in Northern and Southern California, and from the civil unrest in the greater Los Angeles area; and

WHEREAS, the State of California through its world pre-eminence in the technologies of earth and space travel, military defense systems and interglobal communications has been the free world's greatest guarantor of peace through strength of leadership; and

WHEREAS, 970 private sector businesses will be affected by closure of Long Beach Naval Shipyard; and

WHEREAS, the closure of Long Beach Naval Shipyard will result in \$757 million annually in regional economic losses;

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Brawley, California supports the continued operations of the Long Beach Naval Shipyard and all other military facilities in the Southern California region and will transmit this resolution to the President of the United States and the members of the State of California Congressional delegation in Washington, D.C..

APPROVED, PASSED, AND ADOPTED at a regular meeting of the Brawley City Council of the City of Brawley, held on the 21st day of February, 1995.

CITY OF BRAWLEY, CALIFORNIA

  
Stella A. Mendoza, Mayor

**RESOLUTION NO. 95-26**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY  
OF BREA SUPPORTING THE CONTINUED OPERATIONS OF THE  
LONG BEACH NAVAL SHIPYARD AND OTHER  
SOUTHERN CALIFORNIA MILITARY FACILITIES**

**WHEREAS, the State of California has endured billions of dollars of losses through a disproportionate share of Department of Defense closures as mandated by the Federally appointed Base Closures and Realignment Commissions in 1988, 1991, and 1993; and**

**WHEREAS, it has been documented that the State of California has suffered more than its share of economic devastation during the current worldwide recession, and will be the last of the states to show signs of a positive recovery; and**

**WHEREAS, the State of California has sustained both human and natural disasters in recent years from earthquakes in the San Francisco and Los Angeles areas, fires in Northern and Southern California, and from the civil unrest in the greater Los Angeles area; and**

**WHEREAS, the State of California through its world pre-eminence in the technologies of earth and space travel, military defense systems and interglobal communications has been the free world's greatest guarantor of peace through strength of leadership; and**

**WHEREAS, the Southern California region has suffered significant job losses due to federally mandated base closures in 1991-1993; and**

**WHEREAS, 970 private sector businesses will be affected by closure of the Long Beach Naval Shipyard; and**

**WHEREAS, the closure of Long Beach Naval Shipyard will annually result in \$757 million in regional economic losses;**

**NOW THEREFORE BE IT RESOLVED, that the City Council of the City of Brea supports the continued operations of the Long Beach Naval Shipyard and all other military facilities in the Southern California region and will transmit this resolution to the President of the United States and the city's Congressional delegation in Washington, D.C.**

**RESOLUTION NO. 96-022**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CARSON SUPPORTING  
CONTINUED OPERATIONS OF THE LONG BEACH NAVAL SHIPYARD AND  
OTHER SOUTHERN CALIFORNIA MILITARY FACILITIES**

**WHEREAS**, the State of California has endured billions of dollars of losses through a disproportionate share of Department of Defense closures; and

**WHEREAS**, the State of California has sustained both human and natural disasters in recent years from earthquakes in San Francisco and Los Angeles areas, fires in Northern and Southern California, floods in Southern California, and from civil unrest in the greater Los Angeles area; and

**WHEREAS**, the State of California through its world pre-eminence in the technologies of earth and space travel, military defense systems and interglobal communications has been the free world's greatest guarantor of peace through strength of leadership; and

**WHEREAS**, Congress passed the Defense Base Closure and Realignment Act of 1990 establishing Base Closure and Realignment Commissions in 1991, 1993, and 1995 to provide a fair process that will result in the timely and realignment and military installations inside the United States; and

**WHEREAS**, the Southern California region has suffered significant job losses due to base closures in 1991-1993; and

**WHEREAS**, the fourth and final round of base closures and realignment is currently being addressed by the Department of Defense; and

**WHEREAS**, Long Beach Naval Shipyard is being considered, along with other military installations, for closure during this final round; and

**WHEREAS**, Long Beach Naval Shipyard has maintained a significant presence in Southern California for a number of decades, providing employment to thousands of residents and contributing substantially to the economic well-being of this area, not only through its payroll, but also through the purchase of goods and services;

**WHEREAS**, approximately 3100 individuals will lose their jobs with the closure of Long Beach Naval Shipyard; and

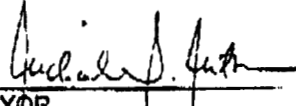
**WHEREAS**, 970 private sector businesses will be affected by closure of Long Beach Naval Shipyard; and

**WHEREAS**, the closure of Long Beach Naval will result in \$757 million annually in regional economic losses;

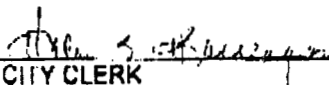
**WHEREAS**, the Governor of the State of California directed the Governor's Office of Planning and Research to coordinate the State Effort to assist local communities in developing strategies to protect California's military bases from further closures

NOW, THEREFORE, BE IT RESOLVED, that the City Council of the City of Carson supports the continued operations of the Long Beach Naval Shipyard and all other military facilities in the Southern California region and will transmit this resolution to the President of the United States, the City of Carson's Congressional delegation and individuals or groups with an interest in the matter encouraging endorsement of this resolution and participation in addressing the issues involved.


PASSED, APPROVED and ADOPTED this 7th day of March, 1995

  
\_\_\_\_\_  
MAYOR

ATTEST:

  
\_\_\_\_\_  
CITY CLERK

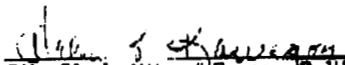
APPROVED AS TO FORM:

  
\_\_\_\_\_  
CITY ATTORNEY  
*att.*

STATE OF CALIFORNIA     )  
COUNTY OF LOS ANGELES   ) ss.  
CITY OF CARSON            )

I, Helen S. Kawagoe, City Clerk of the City of Carson, California, do hereby certify that the whole number of members of the City Council of said City is five; that the foregoing resolution, being Resolution No. 95-022 was duly and regularly adopted by the City Council of said City at a regular meeting of said Council, duly and regularly held on the 7th day of March, 1995, and that the same was so passed and adopted by the following vote:

AYES:     COUNCIL MEMBERS: Galas, Olave, O'Neal, Fajardo, and Mitoma  
NOES:     COUNCIL MEMBERS: None  
ABSTAIN:  COUNCIL MEMBERS: None  
ABSENT:   COUNCIL MEMBERS: None

  
\_\_\_\_\_  
City Clerk, City of Carson, California

RESOLUTION NO. 95R- 06

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CHINO HILLS, CALIFORNIA, SUPPORTING THE CONTINUED OPERATIONS OF THE LONG BEACH NAVAL SHIPYARD AND OTHER SOUTHERN CALIFORNIA MILITARY FACILITIES.

WHEREAS, the State of California has endured billions of dollars through a disproportionate share of Department of Defense closures as mandated by the Federally appointed Base Closures and Realignment Commissions in 1988, 1991, and 1993; and,

WHEREAS, it has been documented that the State of California has suffered more than its share of economic devastation during the current worldwide recession, and will be the last of the States to show signs of positive recovery; and,

WHEREAS, the State of California has sustained both human and natural disasters in recent years from earthquakes in San Francisco and Los Angeles areas, fires in Northern and Southern California, and from the civil unrest in the greater Los Angeles area; and,

WHEREAS, the State of California through its world pre-eminence in the technologies of earth and space travel, military defense systems and interglobal communications has been the free world's greatest guarantor of peace through strength of leadership; and,

WHEREAS, the Southern California region has suffered significant job losses due to federally mandated base closures in 1991-1993; and,

WHEREAS, 970 private sector businesses will be affected by closure of Long Beach Naval Shipyard, and,

WHEREAS, the closure of Long Beach Naval Shipyard will result in \$757 million annually in regional economic losses;

NOW, THEREFORE, the City Council of the City of Chino Hills does hereby resolve, determine, find, and order as follows:

SECTION 1. The City Council joins in supporting the continued operations of the Long Beach Naval Shipyard and all other military facilities in the Southern California region and will submit this resolution to the Southern California Association of Governments (SCAG) for transmittion to the President of the United States and the members of the State of California Congressional delegation in Washington, D.C.; and

SECTION 2. The City Clerk shall certify as to the adoption of this resolution.

PASSED, APPROVED, AND ADOPTED this 28th day of February, 1995.

Ed Graham  
ED GRAHAM  
MAYOR PRO TEM

ATTEST:

Linda D. Ruth  
LINDA D. RUTH, CITY CLERK

STATE OF CALIFORNIA )  
COUNTY OF SAN BERNARDINO )  
CITY OF CHINO HILLS )

I, LINDA D. RUTH, City Clerk of the City of Chino Hills, California, DO HEREBY CERTIFY that the foregoing Resolution 95R-06 was duly adopted at a regular meeting of the Chino Hills City Council held on the 28th day of February, 1995, by the following vote, to wit:

AYES: COUNCIL MEMBERS: GRAHAM, LARSON, NORTON-PERRY, THALMAN  
NOES: COUNCIL MEMBERS: NONE  
ABSENT: COUNCIL MEMBERS: WICKMAN  
ABSTAIN: COUNCIL MEMBERS: NONE

Linda D. Ruth  
LINDA D. RUTH, CITY CLERK

(Seal)

The foregoing is the original of Resolution No. 95R-06 duly passed and adopted by the Chino Hills City Council at their regular meeting held February 28, 1995.

(SEAL) Linda D. Ruth  
LINDA D. RUTH, CITY CLERK

**RESOLUTION NO. 95-11**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF COACHELLA,  
CALIFORNIA, SUPPORTING THE CONTINUED OPERATIONS OF THE  
LONG BEACH NAVAL SHIPYARD AND OTHER SOUTHERN  
CALIFORNIA MILITARY FACILITIES**

WHEREAS, the State of California has endured billions of dollars of losses through a disproportionate share of Department of Defense closures as mandated by the Federally appointed Base Closures and Realignment Commissions in 1988, 1991, and 1993; and

WHEREAS, it has been documented that the State of California has suffered more than its share of economic devastation during the current worldwide recession, and will be the last of the States to show signs of a positive recovery; and

WHEREAS, the State of California has sustained both human and natural disasters in recent years from earthquakes in the San Francisco and Los Angeles areas, fires in Northern and Southern California, and from the civil unrest in the greater Los Angeles area; and

WHEREAS, the State of California through its world pre-eminence in the technologies of earth and space travel, military defense systems and interglobal communications has been the free world's greatest guarantor of peace through strength of leadership; and

WHEREAS, the Southern California region has suffered significant job losses due to federally mandated base closures in 1991-1993; and

WHEREAS, 970 private sector businesses will be affected by closure of Long Beach Naval Shipyard; and

WHEREAS, the closure of Long Beach Naval Shipyard will result in \$757 million annually in regional economic losses;

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Coachella, California, supports the continued operations of the Long Beach Naval Shipyard and all other military facilities in the Southern California region.

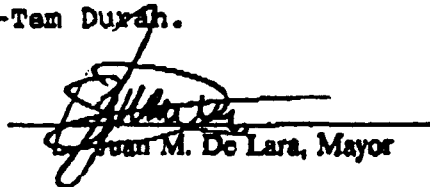
DULY PASSED, APPROVED, and ADOPTED at a regular meeting of the City Council held this 15th day of February, 1995 by the following roll call vote:

AYES: Councilmen Macknicki, Munoz and Mayor De Lara.

NOES: None.

ABSENT: Councilman Ramirez and Mayor Pro-Tem Duran.

ABSTAIN: None.

  
\_\_\_\_\_  
Juan M. De Lara, Mayor

ATTEST:

  
\_\_\_\_\_  
Linda G. Garza, Deputy City Clerk



RESOLUTION NO. 95-4

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CUDAHY,  
CALIFORNIA, SUPPORTING THE CONTINUED OPERATIONS OF THE  
LONG BEACH NAVAL SHIPYARD AND OTHER SOUTHERN CALIFORNIA  
MILITARY FACILITIES

WHEREAS, the State of California has endured billions of dollars of losses through a disproportionate share of Department of Defense closures as mandated by the Federally appointed Base Closures and Realignment Commissions in 1988, 1991, and 1993; and

WHEREAS, it has been documented that the State of California has suffered more than its share of economic devastation during the current worldwide recession, and will be the last of the States to show signs of a positive recovery; and

WHEREAS, the State of California has sustained both human and natural disasters in recent years from earthquakes in San Francisco and Los Angeles areas, fires in Northern and Southern California, and from the civil unrest in the greater Los Angeles area; and

WHEREAS, the State of California through its world pre-eminence in the technologies of earth and space travel, military defense systems and interglobal communications has been the free world's greatest guarantor of peace through strength of leadership; and

WHEREAS, the Southern California region has suffered significant job losses due to federally mandated base closures in 1991-1993; and

WHEREAS, 970 private sector businesses will be affected by closure of Long Beach Naval Shipyard; and

WHEREAS, the closure of Long Beach Naval Shipyard will result in \$757 million annually in regional economic losses;

NOW, THEREFORE BE IT RESOLVED, that the City Council of the City of Cudahy, California, supports the continued operations of the Long Beach Naval Shipyard and all other military facilities in the Southern California region and will transmit this resolution to President Bill Clinton, Senator Barbara Boxer, Senator Dianne Feinstein, and Congresswoman Lucille Roybal-Allard.

PASSED, APPROVED AND ADOPTED this 16th day of February, 1995.

  
Alex F. Rodriguez  
Mayor

ATTEST:  
  
Jack M. Joseph  
City Clerk

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF CYPRESS,  
CALIFORNIA SUPPORTING THE CONTINUED OPERATIONS OF THE LONG BEACH  
NAVAL SHIPYARD AND OTHER SOUTHERN CALIFORNIA MILITARY FACILITIES**

WHEREAS, the State of California has endured billions of dollars of losses through a disproportionate share of Department of Defense closures as mandated by the Federally appointed Base Closures and Realignment Commissions in 1988, 1991, and 1993; and

WHEREAS, it has been documented that the State of California has suffered more than its share of economic devastation during the current worldwide recession, and will be the last of the States to show signs of a positive recovery; and

WHEREAS, the State of California has sustained both human and natural disasters in recent years from earthquakes in San Francisco and Los Angeles areas, fires in Northern and Southern California, and from the civil unrest in the greater Los Angeles area; and

WHEREAS, the State of California through its world pre-eminence in the technologies of earth and space travel, military defense systems and interglobal communications has been the free world's greatest guarantor of peace through strength of leadership; and

WHEREAS, the Southern California region has suffered significant job losses due to federally mandated base closures in 1991-1993; and

WHEREAS, 970 private sector businesses will be affected by closure of Long Beach Naval Shipyard; and

WHEREAS, the closure of Long Beach Naval Shipyard will result in \$757 million annually in regional economic losses;

NOW THEREFORE BE IT RESOLVED, that the City Council of the City of Cypress, supports the continued operations of the Long Beach Naval Shipyard and all other military facilities in the Southern California region and will transmit this resolution to the President of the United States and the members of the State of California Congressional delegation in Washington, D.C.; and

PASSED AND ADOPTED by the City Council of the City of Cypress at a regular meeting held on the 13th day of March 1995.

**/S/ CECILIA L. AGE**

**MAYOR OF THE CITY OF CYPRESS**

ATTEST:

**/S/ DARRELL ESSEX**

**CITY CLERK OF THE CITY OF CYPRESS**

STATE OF CALIFORNIA ) SS  
COUNTY OF ORANGE )

I, DARRELL ESSEX, City Clerk of the City of Cypress, DO HEREBY CERTIFY that the foregoing Resolution was duly adopted at a regular meeting of the said City Council held on the 13th day of March 1995, by the following roll call vote.

AYES: 5 COUNCIL MEMBERS: Bowman, Carroll, Jones, Kerry, and Age  
NOES: 0 COUNCIL MEMBERS: None  
ABSENT: 0 COUNCIL MEMBERS: None

  
**CITY CLERK OF THE CITY OF CYPRESS**

RESOLUTION NO. 95-2

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF DUARTE, CALIFORNIA, SUPPORTING THE CONTINUED OPERATIONS OF THE LONG BEACH NAVAL SHIPYARD AND OTHER SOUTHERN CALIFORNIA MILITARY FACILITIES

WHEREAS, the State of California has endured billions of dollars of losses through a disproportionate share of Department of Defense closures as mandated by the Federally appointed Base Closures and Realignment Commissions in 1988, 1991, and 1993; and

WHEREAS, it has been documented that the State of California has suffered more than its share of economic devastation during the current worldwide recession, and will be the last of the States to show signs of a positive recovery; and

WHEREAS, the State of California has sustained both human and natural disasters in recent years from earthquakes in San Francisco and Los Angeles areas, fires in Northern and Southern California, and from the civil unrest in the greater Los Angeles area; and

WHEREAS, the State of California, through its world pre-eminence in the technologies of earth and space travel, military defense systems and interglobal communications has been the free world's greatest guarantor of peace through strength of leadership; and

WHEREAS, the Southern California region has suffered significant job losses due to federally-mandated base closures in 1991-1993, and 970 private sector businesses will be affected by closure of Long Beach Naval Shipyard; and

WHEREAS, the closure of Long Beach Naval Shipyard will result in \$757 million annually in regional economic losses;

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Duarte, California, does hereby support the continued operations of the Long Beach Naval Shipyard and all other military facilities in the Southern California region, so that the State of California will not suffer further economic deprivation caused by such closures.

PASSED, APPROVED, and ADOPTED this 14th day of February, 1995.

/s/ James D. Kirchner  
Mayor James D. Kirchner

STATE OF CALIFORNIA        )  
COUNTY OF LOS ANGELES   ) ss.  
CITY OF DUARTE            )

I, Marilyn F. Dwyer, City Clerk of the City of Duarte, County of Los Angeles, State of California, hereby attest to the above signature and certify that Resolution No. 95-2 was adopted by the City Council of the City of Duarte at a regular meeting of said Council held on the 14th day of February, 1995, by the following vote:

AYES:     Councilmembers:  Reyes, Fasana, Finlay, Joyce, Kirchner  
NOES:     Councilmembers:  None  
ABSENT:   Councilmembers:  None

/s/ Marilyn F. Dwyer  
City Clerk Marilyn F. Dwyer  
City of Duarte, California

RESOLUTION NO. 95-05

A RESOLUTION OF THE CITY COUNCIL OF THE  
CITY OF HOLTVILLE, CALIFORNIA, SUPPORTING  
THE CONTINUED OPERATIONS OF THE LONG BEACH  
NAVAL SHIPYARD AND OTHER SOUTHERN CALIFORNIA  
MILITARY FACILITIES

WHEREAS, the State of California has endured billions of dollars of losses through a disproportionate share of Department of Defense closures as mandated by the Federally appointed Base Closures and Realignment Commissions in 1988, 1991, and 1993; and

WHEREAS, it has been documented that the State of California has suffered more than its share of economic devastation during the current worldwide recession, and will be the last of the States to show signs of a positive recovery; and

WHEREAS, the State of California has sustained both human and natural disasters in recent years from earthquakes in San Francisco and Los Angeles areas, fires in Northern and Southern California, and from the civil unrest in the greater Los Angeles area; and

WHEREAS, the State of California through its world pre-eminence in the technologies of earth and space travel, military defense systems and interglobal communications has been the free world's greatest guarantor of peace through strength of leadership; and

WHEREAS, the Southern California region has suffered significant job losses due to federally mandated base closures in 1991-1993; and

WHEREAS, 970 private sector businesses will be affected by closure of Long Beach Naval Shipyard; and

WHEREAS, the closure of Long Beach naval Shipyard will result in \$757 million annually in regional economic losses;

NOW THEREFORE BE IT RESOLVED, that the City Council of the City of Holtville, California, supports the continued operation of the Long Beach Naval Shipyard and all other military facilities in the Southern California region and will transmit this resolution to the President of the United States and the members of the State of California Congressional delegation in Washington, D.C.

PASSED, APPROVED AND ADOPTED by the City Council of the City of Holtville, California this 13th day of February, 1995.

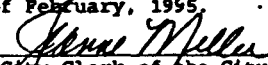
  
IRA HEAREN, Mayor

ATTEST:

  
Jeanne Miller, City Clerk

STATE OF CALIFORNIA )  
COUNTY OF IMPERIAL (ss  
CITY OF HOLTVILLE )

I, Jeanne Miller, City Clerk of the City of Holtville, California DO HEREBY CERTIFY that the foregoing Resolution was duly passed, approved and adopted at a regular meeting of the Holtville City Council held on the 13th day of February, 1995.

  
City Clerk of the City of  
Holtville, California

1 RESOLUTION NO. 95-10

2 A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF HUNTINGTON PARK  
3 SUPPORTING THE CONTINUED OPERATIONS OF THE LONG BEACH NAVAL  
4 SHIPYARD AND OTHER SOUTHERN CALIFORNIA MILITARY FACILITIES.

5 WHEREAS, the State of California has endured billions of  
6 dollars of losses through a disproportionate share of Department  
7 of Defense closures as mandated by the Federally appointed Base  
8 Closures and Realignment Commissions in 1988, 1991, and 1993;  
9 and

10 WHEREAS, it has been documented that the State of  
11 California has suffered more than its share of economic  
12 devastation during the current worldwide recession, and will be  
13 the last of the States to show signs of positive recovery; and

14 WHEREAS, the State of California has sustained both human  
15 and natural disasters in recent years from earthquakes in the  
16 San Francisco and Los Angeles area, fires in Northern and  
17 Southern California, and from civil unrest in the greater Los  
18 Angeles area; and

19 WHEREAS, the State of California through its world  
20 preeminence in the technologies of earth and space travel,  
21 military defense systems and interglobal communications has been  
22 the free world's greatest guarantor of peace through strength of  
23 leadership; and

24 WHEREAS, the Southern California region has suffered  
25 significant job losses due to federally mandated base closures  
26 in 1991-1993; and

27 WHEREAS, 970 private sector businesses will be affected by  
28 closure of Long Beach Naval Shipyard; and

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WHEREAS, the closure of Long Beach Naval Shipyard will result in \$757 million annually in regional economic losses, NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF HUNTINGTON PARK DOES RESOLVE AS FOLLOWS:

SECTION 1: The City of Huntington Park supports the continued operations of the Long Beach Naval Shipyard and all other military facilities in the Southern California region.

SECTION 2: The City Clerk is hereby directed to transmit this resolution to the Southern California Association of Governments.

SECTION 3: The City Clerk shall certify to the adoption of this Resolution.

PASSED, APPROVED AND ADOPTED this 21st day of February 1995.

RUDOLPH  
Mayor of the City of Huntington Park

ATTEST:  
Mary Ann G. Burnett  
City Clerk

npres\shipyard

1                                    A RESOLUTION OF THE  
2                                    IMPERIAL VALLEY ASSOCIATION OF GOVERNMENTS  
3                                    SUPPORTING THE CONTINUED OPERATIONS OF THE  
                                    LONG BEACH NAVAL SHIPYARD AND OTHER  
4                                    SOUTHERN CALIFORNIA MILITARY FACILITIES

5            WHEREAS, the State of California through its world pre-  
6            eminence in the technologies of earth and space travel, military  
7            defense systems and interglobal communications has been the free  
8            world's greatest guarantor of peace through strength of leadership;  
9            and

10           WHEREAS, the State of California has endured billions of  
11           dollars of losses through a disproportionate share of Department of  
12           Defense closures as mandated by the Federally appointed Base  
13           Closures and Realignment Commissions in 1988, 1991, and 1993; and

14           WHEREAS, it has been documented that the State of California  
15           has suffered more than its share of economic devastation during the  
16           current worldwide recession, and will be the last of the States to  
17           show signs of a positive recovery; and

18           WHEREAS, The State of California has sustained both human and  
19           natural disasters in recent years from earthquakes in San Francisco  
20           and Los Angeles areas, fires in Northern and Southern California,  
21           and from the civil unrest in the greater Los Angeles area; and

22           WHEREAS, the Southern California region has suffered  
23           significant job losses due to federally mandated base closures in  
24           1991-1993; and

25           WHEREAS, 970 private sector businesses will be affected by  
26           closure of Long Beach Naval Shipyard; and

27           WHEREAS, the closure of Long Beach Naval Shipyard will result  
28           in \$757 million annually in regional economic losses;

          NOW THEREFORE BE IT RESOLVED, that the Imperial Valley  
Association of Governments, a general purpose joint powers  
authority of the seven (7) cities, Imperial Irrigation District,  
and Imperial County, supports the continued operations of the Long  
Beach Naval Shipyard and all other military facilities in the  
Southern California region and will transmit this resolution to the  
President of the United States and the members of the State of  
California Congressional delegation in Washington, D.C.; and

1           BE IT FURTHER RESOLVED, that the Imperial Valley Association  
2 of Governments will transmit this resolution to the seven (7)  
3 member cities, Imperial Irrigation District and county and request  
4 that each agency adopt a similar resolution supporting the  
5 operations of the Long Beach Naval Shipyard and other military  
6 facilities in the region, so that the State of California and  
7 Southern California region will not suffer further economic  
8 deprivation caused by such closures.

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10 Mark Gran, Chairperson  
11 Imperial Valley Association of  
12 Governments

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**RESOLUTION NO. 95-378**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MALIBU  
SUPPORTING THE CONTINUED OPERATIONS OF THE LONG BEACH  
NAVAL SHIPYARD AND OTHER SOUTHERN CALIFORNIA MILITARY  
FACILITIES**

**WHEREAS**, the State of California has endured billions of dollars of losses through a disproportionate share of Department of Defense closures as mandated by the Federally appointed Base Closures and Realignment Commissions in 1988, 1991, and 1993; and

**WHEREAS**, it has been documented that the State of California has suffered more than its share of economic devastation during the current worldwide recession, and will be the last of the States to show signs of a positive recovery; and

**WHEREAS**, the State of California has sustained both human and natural disasters in recent years from earthquakes in San Francisco and Los Angeles areas, fires in Northern and Southern California, and from the civil unrest in the greater Los Angeles area; and

**WHEREAS**, the State of California through its world pre-eminence in the technologies of earth and space travel, military defense systems and interglobal communications has been the free world's greatest guarantor of peace through strength of leadership; and

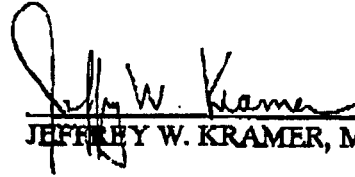
**WHEREAS**, the Southern California region has suffered significant job losses due to federally mandated base closures in 1991-1993; and

**WHEREAS**, 970 private sector businesses will be affected by closure of Long Beach Naval Shipyard; and

**WHEREAS**, the closure of Long Beach Naval Shipyard will result in \$757 million annually in regional economic losses;

**NOW THEREFORE BE IT RESOLVED**, that the City Council of the City of Malibu supports the continued operations of the Long Beach Naval Shipyard and all other military facilities in the Southern California region and will transmit this resolution to the City of Malibu's Congressional representatives and to the Southern California Association of Governments, a general purpose joint powers authority of the 184 cities and 6 counties in Southern California, who will then forward all resolutions so forwarded to the President of the United States.

PASSED, APPROVED AND ADOPTED this 27th day of February, 1995.

  
JEFFREY W. KRAMER, Mayor

ATTEST:

  
TORY FREEMAN, Deputy City Clerk

I CERTIFY THAT THE FOREGOING RESOLUTION NO. 95-378 was passed and adopted by the City Council of the City of Malibu at the regular meeting thereof held on the 27th day of February, 1995 by the following vote:

AYES:	2	Councilmembers:	Harlow, Van Horn
NOES:	1	Councilmembers:	House
ABSENT:	0		
ABSTAIN:	2	Councilmembers:	Jennings, Kramer

  
TORY FREEMAN, Deputy City Clerk

**ION NO. 95-13**

**A RESOLUTION OF THE CITY COUNCIL OF THE  
CITY OF MONROVIA, CALIFORNIA  
SUPPORTING THE CONTINUED OPERATIONS OF THE  
LONG BEACH NAVAL SHIPYARD AND OTHER  
SOUTHERN CALIFORNIA MILITARY FACILITIES**

**WHEREAS**, the State of California has endured billions of dollars of losses through a disproportionate share of Department of Defense closures as mandated by Federally appointed Base Closures and Realignment Commissions in 1988, 1991, and 1993; and

**WHEREAS**, it has been documented that the State of California has suffered more than its share of economic devastations during the current worldwide recession, and will be the last of the States to show signs of a positive recovery; and

**WHEREAS**, the State of California has sustained both human and natural disasters in recent years from earthquakes in San Francisco and Los Angeles areas, fires in Northern and Southern California, and from the civil unrest in the greater Los Angeles area; and

**WHEREAS**, the State of California through its world pre-eminence in the technologies of earth and space travel, military defense systems and interglobal communications has been the free world's greatest guarantor of peace through strength of leadership; and

**WHEREAS**, the Southern California region has suffered significant job losses due to federally mandated base closure in 1991-93; and

**WHEREAS**, 970 private sector businesses will be affected by closure of Long Beach Naval Shipyard; and

**WHEREAS**, the closure of Long Beach Naval Shipyard will result in \$757 million annually in regional economic losses;

**NOW THEREFORE BE IT RESOLVED**, that the City Council of the City of Monrovia, California, supports the continued operations of the Long Beach Naval Shipyard and all other military facilities in the Southern California region and will transmit this resolution to the President of the United States and the members of the State of California Congressional delegation in Washington, D.C., and the Southern California Association of Governments; and

**BE IT FURTHER RESOLVED**, that the City Council of the City of Monrovia, California, supports the efforts of the Southern California Association of Governments in transmitting this resolution to the 184 member cities and 6 member counties in the Southern California region, requesting that each

agency adopt a similar resolution supporting the operations of the Long Beach Naval Shipyard and other military facilities in the region, so that the State of California and the Southern California region will not suffer further economic deprivation caused by such closures.

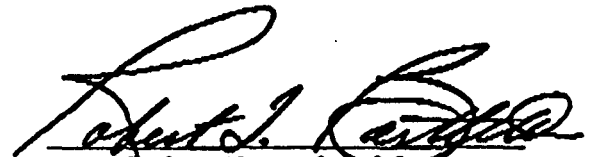
APPROVED AND ADOPTED this 21st DAY of MARCH, 1995 by the following vote:

AYES: Councilmembers Adams, Blakely, McCarville, Wilcox and Mayor Bartlett

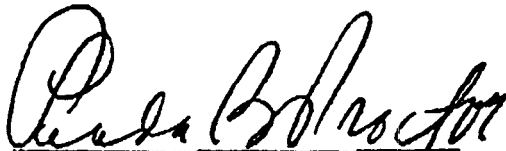
NOES:

ABSTAIN:

EXCUSED:

  
Robert T. Bartlett, Mayor  
City of Monrovia

Attest:

  
Linda B. Proctor, City Clerk

Approved as to form:

  
Michele Beal Bagneris, City Attorney

**RESOLUTION NO. 95-344**

**A RESOLUTION OF THE  
CITY OF MURRIETA, CALIFORNIA,  
SUPPORTING THE CONTINUED OPERATIONS OF THE  
LONG BEACH NAVAL SHIPYARD AND OTHER  
SOUTHERN CALIFORNIA MILITARY FACILITIES**

WHEREAS, the State of California has endured billions of dollars of losses through a disproportionate share of Department of Defense closures as mandated by the federally appointed Base Closures and Realignment Commissions in 1988, 1991 and 1993; and

WHEREAS, it has been documented that California has suffered more than its share of economic devastation during the current worldwide recession, and will be the last of the states to show signs of a positive recovery; and

WHEREAS, California has sustained both human and natural disasters in recent years from earthquakes in the San Francisco and Los Angeles areas, fires in northern and southern California, and from the civil unrest in the greater Los Angeles area; and

WHEREAS, the state, through its world pre-eminence in the technologies of earth and space travel, military defense systems and interglobal communications, has been the free world's greatest guarantor of peace through strength of leadership; and

WHEREAS, the Southern California region has suffered significant job losses due to federally mandated base closures in 1991-1993; and

WHEREAS, the closure of Long Beach Naval Shipyard would be particularly devastating, likely affecting adversely 970 private sector businesses and resulting in \$757 million annually in regional economic losses; and

WHEREAS, closure of other Southern California military installations would present an equally critical financial impact on the regional economy;

NOW, THEREFORE, BE IT RESOLVED, that the City of Murrieta support the continued operation of the Long Beach Naval Shipyard and all other military facilities in the Southern California region and will transmit this resolution to the President of the United States, the City's representation in the U.S. Congress and the Base Closures Commission.

**APPROVED AND ADOPTED, this 21st day of February, 1995.**

  
MAYOR

RESOLUTION NO. 95-7

A RESOLUTION OF THE CITY COUNCIL OF THE  
CITY OF PALM DESERT, CALIFORNIA,  
SUPPORTING THE CONTINUED OPERATIONS OF  
THE LONG BEACH NAVAL SHIPYARD AND OTHER  
SOUTHERN CALIFORNIA MILITARY FACILITIES

WHEREAS, the State of California has endured billions of dollars of losses through a disproportionate share of Department of Defense closures as mandated by the Federally appointed Base Closures and Realignment Commissions in 1988, 1991, and 1993; and

WHEREAS, it has been documented that the State of California has suffered more than its share of economic devastation during the current worldwide recession, and will be the last of the states to show signs of a positive recovery; and

WHEREAS, the State of California has sustained both human and natural disasters in recent years from earthquakes in San Francisco and Los Angeles areas, fires in Northern and Southern California, and from the civil unrest in the greater Los Angeles area; and

WHEREAS, the State of California through its world pre-eminence in the technologies of earth and space travel, military defense systems and interglobal communications has been the free world's greatest guarantor of peace through strength of leadership; and

WHEREAS, the Southern California region has suffered significant job losses due to federally mandated base closures in 1991-1993; and

WHEREAS, 970 private sector businesses will be affected by the closure of Long Beach Naval Shipyard; and

WHEREAS, the closure of Long Beach Naval Shipyard will result in \$757 million annually in regional economic losses;

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Palm Desert, California, that it supports the continued operations of the Long Beach Naval Shipyard and other military facilities in the Southern California region.

BE IT FURTHER RESOLVED that the City Clerk is hereby directed to transmit a certified copy of this resolution to the Southern California Association of Governments and the City of Palm Desert's congressional representatives.

EACH DOCUMENT TO WHICH THIS CERTIFICATE IS  
ATTACHED, IS CERTIFIED TO BE A FULL TRUE AND  
CORRECT COPY OF THE ORIGINAL ON FILE AND ON  
RECORD IN MY OFFICE.

Dated: \_\_\_\_\_

SHEILA R. GILLIGAN, City Clerk  
City of Palm Desert, California

By: \_\_\_\_\_

CITY OF PALMDALE

LOS ANGELES COUNTY, CALIFORNIA

RESOLUTION NO. 95-33

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PALMDALE  
SUPPORTING THE CONTINUED OPERATIONS OF THE LONG BEACH NAVAL  
SHIPYARD AND OTHER CALIFORNIA MILITARY FACILITIES

WHEREAS, the State of California has absorbed billions of dollars of losses through a disproportionate share of Department of Defense closures, as mandated by the federally appointed Base Closures and Realignment Commission in 1988, 1991 and 1993, including significant job losses; and

WHEREAS, the State of California has experienced economic devastation during the recent worldwide recession and has been the last of the states to experience measurable economic recovery; and

WHEREAS, the State of California has sustained severe human and natural disasters, and is recovering from these disasters; and

WHEREAS, the State of California will regain its traditionally solid economic stability that is essential to the economic strength of the United States, only through the cooperative and timely efforts of both the private sector and the public sector at all levels; and

WHEREAS, the State of California, through its world pre-eminence in the technologies of earth and space travel, military defense systems, global communications, and its strategic geographic location has been the Free World's greatest guarantor of peace through strength; and

WHEREAS, the Southern California region has suffered significant job losses due to federally mandated base closures in 1991-1993; and

WHEREAS, 970 private sector businesses will be affected by closure of Long Beach Naval Shipyard; and

WHEREAS, the closure of Long Beach Naval Shipyard will result in \$757 million annually in regional economic losses.

NOW, THEREFORE, be it resolved, that the City Council of the City of Palmdale, home of the B-2 bomber and pioneer in stealth weapons technology, joins with the Southern California Association of Governments (SCAG) in supporting the continued operations of the Long Beach Naval Shipyard and all other military facilities in the State of California, and will so transmit this Resolution to the President of the United States and to the members of the California Congressional delegation.

The City Clerk shall certify to the passage of this Resolution as required by law.

PASSED, APPROVED, and ADOPTED on this 7th day of March, 1995.

AYES: Councilmember Myers, Root, Davies, Judge and Mayor Ledford

NOES: None

ABSENT: None

ABSTAIN: None

ATTEST:

Victoria L. Denham  
Victoria L. Denham, City Clerk

Approved as to Form:

Warren A. [Signature]  
City Attorney

James C. Ledford, Jr., Mayor

**CITY OF PARAMOUNT  
LOS ANGELES COUNTY, CALIFORNIA**

**RESOLUTION NO. 95:010**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PARAMOUNT SUPPORTING THE CONTINUED OPERATION OF THE LONG BEACH NAVAL SHIPYARD AND OTHER SOUTHERN CALIFORNIA MILITARY FACILITIES.**

**WHEREAS, the Southern California region has endured a disproportionate share of Department of Defense facility closures as mandated by the Federal Appointed Base Closure and Realignment Commissions in 1988, 1991, and 1993; and**

**WHEREAS, many of the recommended base closures are unfair and politically motivated to the detriment of Southern California; and**

**WHEREAS, the economic health of Southern California is essential to the success of California and the entire Western United States; and**

**WHEREAS, Southern California has a number of well established, cost effective Department of Defense facilities which provide an essential benefit to the nation and establish Southern California as a world leader in military defense systems and interglobal communications; and**

**WHEREAS, closure of the Long Beach Naval Shipyard will result in an estimated \$757 million annual loss in regional economic activity.**

**NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Paramount supports the continued operation of the Long Beach Naval Shipyard and all other military facilities in the Southern California region for the betterment of Paramount, Southern California, California, and the nation.**

**PASSED, APPROVED and ADOPTED by the City Council of the City of Paramount this 21st day of February 1995.**

**Gerald A. Mulrooney, Mayor**

**Attest:**

**Kathie Mendoza, City Clerk**





# RANCHO PALOS VERDES

OFFICE OF THE MAYOR AND CITY COUNCIL

February 24, 1995

Southern California Association of Governments  
Gil Smith, Director of Gov. and Public Affairs  
818 West 7th Street, 12th Floor  
Los Angeles, CA 90017-3435

**RE: Long Beach Naval Shipyard**


Dear Mr. Smith:

On behalf of the City of Rancho Palos Verdes, I am pleased to inform you that at its February 21, 1995 meeting, the Rancho Palos Verdes City Council expressed the City's support for the retention and continued operations of the Long Beach Naval Shipyard, Los Angeles Air Force Base and other Southern California military facilities.

The City recognizes that military facilities are a vital part of the Southern California economy and that the region has disproportionately suffered from base closure decisions over that last several years. Therefore, the City strongly supports the retention of the remaining Southern California military facilities, including the Long Beach Naval Shipyard.

Should you have any questions regarding the City's support for the military base retention efforts, please contact me at (310) 377-0360.

Sincerely,

  
Lee Byrd  
Mayor

C:\WPDOCS\LEGISLAT\SCAGLBN5.LTR

**CITY OF ROLLING HILLS ESTATES  
LOS ANGELES COUNTY, CALIFORNIA  
RESOLUTION NO. 1783**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF ROLLING HILLS ESTATES, CALIFORNIA SUPPORTING THE CONTINUED OPERATIONS OF THE LONG BEACH NAVAL SHIPYARD AND OTHER SOUTHERN CALIFORNIA MILITARY FACILITIES.**

WHEREAS, the State of California has endured billions of dollars of losses through a disproportionate share of Department of Defense closures as mandated by the Federally appointed Base Closures and Realignment Commissions in 1988, 1991, and 1993; and

WHEREAS, it has been documented that the State of California has suffered more than its share of economic devastation during the current worldwide recession, and has been the last of the States to show signs of a positive recovery; and

WHEREAS, the State of California has sustained both human and natural disasters in recent years; and

WHEREAS, the Southern California region has suffered significant job losses due to federally mandated base closures in 1991-1993; and

WHEREAS, 970 private sector businesses will be affected by closure of Long Beach Naval Shipyard; and

WHEREAS, the closure of Long Beach Naval Shipyard will result in \$757 million in regional economic losses annually.

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Rolling Hills Estates supports the continued operations of the Long Beach Naval Shipyard and all other military facilities in the Southern California region.

BE IT FURTHER RESOLVED that the City Clerk is hereby directed to transmit this resolution to the President of the United States and each of the federal, state and county elected officials representing the City.

PASSED, APPROVED AND ADOPTED this 28th day of February, 1995.

  
\_\_\_\_\_  
ROBERT W. BECK, MAYOR

ATTEST:

  
\_\_\_\_\_  
DOUGLAS R. PRICHARD, CITY CLERK

**RESOLUTION NO. 1783  
SUPPORTING THE CONTINUED  
OPERATIONS OF THE LONG BEACH  
NAVAL SHIPYARD AND OTHER  
SOUTHERN CALIFORNIA MILITARY  
FACILITIES**

**CITY OF ROLLING HILLS ESTATES  
LOS ANGELES COUNTY, CALIFORNIA**

**RESOLUTION NO. 1784**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF ROLLING HILLS ESTATES, CALIFORNIA URGING SUPPORT FOR RETENTION OF THE SPACE AND MISSILE SYSTEMS CENTER AT LOS ANGELES AIR FORCE BASE, CALIFORNIA AND MAINTENANCE OF LOS ANGELES AIR FORCE BASE AS AN ACTIVE AIR FORCE INSTALLATION.**

WHEREAS, Congress passed the Defense Base Closure and Realignment Act of 1990 establishing Base Closure and Realignment Commissions in 1991, 1993, and 1995 "to provide a fair process that will result in the timely closure and realignment of military installations inside the United States;" and

WHEREAS, the fourth and final round of base closures and realignment is currently being addressed by the Department of Defense; and

WHEREAS, the Los Angeles Air Force Base is being considered, along with all other military installations, for closure or realignment during this final round;

WHEREAS, the Los Angeles Air Force Base houses the Space and Missile Systems Center of the Air Force Materiel Command and the Aerospace Corporation, a non-profit corporation, designated a federally-funded research and development center; and

WHEREAS, the Space and Missile Systems Center continues to, and will for the foreseeable future, conduct research, development, and acquisition for military space systems; and

WHEREAS, the Aerospace Corporation is under annual contract with the Space and Missile Systems Center to provide architecture and engineering services in support of military space systems; and

WHEREAS, the annual contracting by the Space and Missile Systems Center within a 100-mile radius was \$5.2 billion in 1994, exceeding the entire motion picture industry revenue in all of the United States; and

WHEREAS, one of every eight jobs could be lost from the South Bay economy if the Space and Missile Systems Center and the Aerospace Corporation were to be relocated and Los Angeles Air Force Base were to be closed; and

WHEREAS, the Governor of the State of California directed the Governor's Office of Planning and Research to coordinate the State Effort to assist local communities in developing strategies to protect California's military bases from further closures; and

WHEREAS, if the Los Angeles Air Force Base is identified by the Department of Defense for realignment or closure action, the Military Affairs Committee of the South Bay Association of Chambers of Commerce will mount a grass roots effort in conjunction with the Governor's Office of Planning and Research and the Los Angeles Area Chamber of Commerce to ensure the military value of the Los Angeles Air Force Base is recognized by the 1995 Base Realignment and Closure Commission; and

**RESOLUTION NO. 1784  
URGING SUPPORT FOR RETENTION  
OF SPACE AND MISSILE SYSTEMS  
CENTER AT LOS ANGELES AIR FORCE  
BASE**

RESOLUTION NO. 3221

A RESOLUTION OF THE CITY COUNCIL OF THE CITY  
OF WESTMINSTER SUPPORTING THE CONTINUED  
OPERATIONS OF THE LONG BEACH NAVAL SHIPYARD  
AND OTHER SOUTHERN CALIFORNIA MILITARY  
FACILITIES

WHEREAS, the State of California has endured billions of dollars of losses through a disproportionate share of Department of Defense closures as mandated by the Federally appointed Base Closure and Realignment Commissions in 1988, 1991, and 1993; and

WHEREAS, it has been documented that the State of California has suffered more than its share of economic devastation during the current worldwide recession, and will be the last of the States to show signs of a positive recovery; and

WHEREAS, the State of California has sustained both human and natural disasters in recent years from earthquakes in San Francisco and Los Angeles areas, fires in Northern and Southern California, and from the civil unrest in the Greater Los Angeles area; and

WHEREAS, the State of California through its world pre-eminence in the technologies of earth and space travel, military defense systems and interglobal communications has been the free world's greatest guarantor of peace through strength of leadership; and

WHEREAS, the Southern California region has suffered significant job losses due to federally mandated base closures in 1991-1993; and

WHEREAS, 970 private sector businesses will be affected by the closure of Long Beach Naval Shipyard; and

WHEREAS, the closure of Long Beach Naval Shipyard will result in \$757 million annually in regional economic losses.

NOW, THEREFORE, BE IT RESOLVED THAT the Westminster City Council does hereby support the continued operations of the Long Beach Naval Shipyard and all other military facilities in the Southern California region and will transmit this resolution to the President of the United States and the members of the State of California Congressional delegation in Washington, D.C.

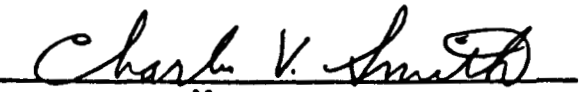
BE IT FURTHER RESOLVED, that the City Council of the City of Westminster will transmit this resolution to the Board of Supervisors of the County of Orange and to the 26 cities in Orange County with the request that each agency adopt a similar resolution supporting the operations of the Long Beach Naval Shipyard and other military facilities in the region, so that the State of California and the Southern California region will not suffer further economic deprivation caused by such closures.

PASSED, APPROVED AND ADOPTED this 28th day of February, 1995, by the following vote:

AYES: COUNCIL MEMBERS: SMITH, BOHMAN, FRY, LAM, RICE

NOES: COUNCIL MEMBERS: NONE

ABSENT: COUNCIL MEMBERS: NONE

  
\_\_\_\_\_  
Mayor

ATTEST:

  
\_\_\_\_\_  
City Clerk

APPROVED AS TO CONTENT:

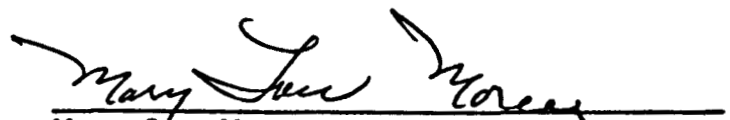
  
\_\_\_\_\_  
City Manager

APPROVED AS TO FORM:

  
\_\_\_\_\_  
City Attorney

STATE OF CALIFORNIA )  
COUNTY OF ORANGE ) ss.  
CITY OF WESTMINSTER )

I, MARY LOU MOREY, hereby certify that I am the duly appointed City Clerk of the City of Westminster, California; and that the foregoing resolution was duly adopted at a regular meeting of the City Council of the City of Westminster held on the 28th day of February, 1995.

  
\_\_\_\_\_  
Mary Lou Morey  
City Clerk of the City of Westminster



**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

Change name to this number  
950411-2521

ALAN J. DIXON, CHAIRMAN

**COMMISSIONERS:**

AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

April 14, 1995

LtGen William F. Pitts, USAF (Ret.)  
6125 Clarendon Court  
Riverside, California 92506

Dear General Pitts:

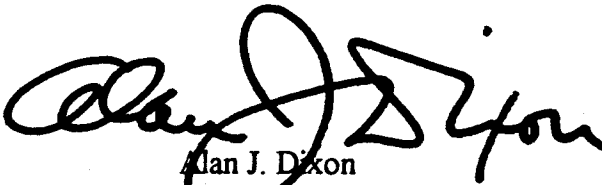
Thank you for your letter suggesting that the Defense Base Closure and Realignment Commission review the 1993 decision to transfer Marine Corps air units to Naval Air Station Miramar and other installations. I certainly understand your interest in the base closure and realignment process and welcome your comments.

The Base Closure and Realignment Act provides that any additions to the list of bases recommended for closure or realignment by the Secretary of Defense must be published in the Federal Register by May 17. This would include any decisions to reconsider a previous Commission's actions if such action had been recommended by the Secretary. In order to have a base added to this list, a Commissioner must offer a motion to add an installation for consideration. A majority of the Commissioners must support such a motion for the base to be added for consideration.

The information that you have provided will be placed in the Commission's library and it will be utilized by the Commission in our review and analysis process.

I look forward to working with you. Please do not hesitate to contact me if I may be of additional assistance as we go through this difficult and challenging process.

Sincerely,



Alan J. Dixon  
Chairman

AJD:cw

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950412-1

FROM: CHAVEZ, MARTIN J.	TO: DIXON
TITLE: MAYOR	TITLE: CHAIRMAN
ORGANIZATION: CITY OF ALBUQUERQUE	ORGANIZATION: DBCRC
INSTALLATION (s) DISCUSSED: *	

OFFICE OF THE CHAIRMAN				COMMISSION MEMBERS			
	FYI	ACTION	INT		FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL	✓			COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
				COMMISSIONER ROBLES			
DIR./CONGRESSIONAL LIAISON		①		COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION	✓			AIR FORCE TEAM LEADER	✓		
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR./INFORMATION SERVICES				BRITTA BRACKNEY			

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature	Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature	Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓ FYI

Subject/Remarks:  
 INVITING DBCRC COMMISSIONERS TO LUNCH ON APRIL 20 DURING THEIR VISIT.

Due Date: 950414	Routing Date: 950412	Date Originated: 950411	Mail Date:
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# City of Albuquerque

P.O. BOX 1293 ALBUQUERQUE, NEW MEXICO 87103

Martin J. Chavez  
Mayor

April 11, 1995

Please refer to this number  
when responding 950412-1

Chairman Alan Dixon  
Base Realignment and Closure Commission  
1700 N. Moore St.  
Suite 1425  
Arlington, VA 22209

Dear Chairman Dixon,

On behalf of the citizens of Albuquerque, the New Mexico Congressional Delegation and the Governor of New Mexico, I invite you and the rest of the BRAC Commissioners to join us for lunch on April 20. We have scheduled this at your convenience to coincide with the BRAC Regional Hearing agenda. Private dining arrangements have been made close to the hearing site at the Albuquerque Petroleum Club. Scheduled to attend are U.S. Senators Pete Domenici and Jeff Bingaman, Congressman Steve Schiff, Governor Gary Johnson and the six Steering Committee members of the Kirtland Task Force, chaired by Lt. General (USAF Ret.) Leo Marquez.

We welcome you to Albuquerque and will do everything we can to ensure that your stay is a productive one. Please call my office at 768-3000 if you need any assistance.

Thank you, and I look forward to meeting you on the 20th.

Best wishes,



Martin J. Chavez

MJC/adh





**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425 Please refer to this number  
ARLINGTON, VA 22209  
703-696-0504

950412-121

ALAN J. DIXON, CHAIRMAN

COMMISSIONERS:

AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

April 17, 1995

The Honorable Martin J. Chavez  
Mayor, City of Albuquerque  
Post Office Box 1293  
Albuquerque, New Mexico 87103

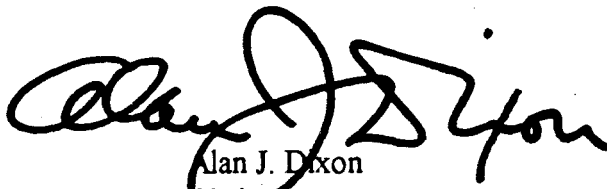
Dear Mayor Chavez:

Thank you for your recent letter inviting the Commissioners and Commission staff of the Defense Base Closure and Realignment Commission to a lunch on April 20 in Albuquerque, New Mexico. I appreciate the invitation and look forward to seeing you at the regional hearing.

Unfortunately, a lunch on April 20 would be difficult given the Commissioner's tight schedule during the regional hearing. As I understand it, a reception has been arranged at 8:00 PM on April 19 at the Hyatt Regency Hotel. The Commissioners and Commission staff look forward to the visit and appreciate the hospitality extended by you and by the other members of the New Mexico delegation.

I look forward to working with you during this difficult and challenging process. Please do not hesitate to contact you whenever you believe I can be of service.

Sincerely,



Alan J. Dixon  
Chairman

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950412-2

FROM: KRUGSMAN, ALEXANDER	TO: YELLIN, ALEX
TITLE: PORT DIRECTOR	TITLE: NAVY TEAM LEADER
ORGANIZATION: PORT OF STOCKTON	ORGANIZATION: DBCRC
INSTALLATION (S) DISCUSSED: NAVAL COMMUNICATIONS STATION ON ROUGH & READY ISLAND	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA	✓		
STAFF DIRECTOR	✓			COMMISSIONER COX	✓		
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS	✓		
GENERAL COUNSEL				COMMISSIONER KLING	✓		
MILITARY EXECUTIVE				COMMISSIONER MONTOYA	✓		
				COMMISSIONER ROBLES	✓		
DIR./CONGRESSIONAL LIAISON		Ⓢ		COMMISSIONER STEELE	✓		
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER		X	
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR. INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

<input checked="" type="checkbox"/>	Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
	Prepare Reply for Staff Director's Signature		Prepare Direct Response
X	ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

INFORMING THAT THE CITY OF STOCKTON, THE SAN JOAQUIN COUNTY AND CONG. RICHARD POMBO SUPPORT REALIGNING THE NCS ON ROUGH AND READY ISLAND.

\* Phone Response via Yellin 4/18 \*

File Date: 950419	Routing Date: 950412	Date Originated: 950411	Mail Date:
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## Port of Stockton

General Offices: P.O. Box 2089, Stockton, CA 95201-2089  
(209) 946-0246 / FAX (209) 465-7244 or (209) 466-5986

VIA FACSIMILE  
(703) 696-0550

April 11, 1995

Mr. Alex Yellin  
Defense Base Closure and Realignment Commission  
1700 Moore Street, Suite 1425  
Arlington, VA 22209

Please refer to file number  
when responding 950412-2

Dear Mr. Yellin:

As you are aware, we have discussed potential realignment of the Naval Communications Station on Rough and Ready Island in the City of Stockton. We refer to our letter of January 25, 1993, to Mr. Jim Courter (copy attached) and telephone conversation with you in January 1993, and discussions we have had with Captain Curry, Commanding officer of NAVCOMSTA Stockton in 1992/93, and more recently with Commander Steadly, the present commanding officer.

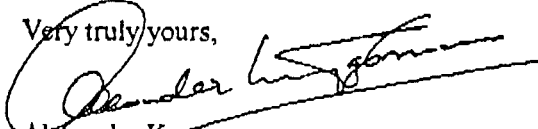
We have discussed this matter with the Mayor and the staff of the City of Stockton as well as with the Chairman of the Board of Supervisors of San Joaquin County and his staff, and with our Congressman, Richard Pombo.

The City of Stockton and San Joaquin County are supporting the request for realignment and for the Stockton Port District to assume management and operations of Rough and Ready Island and to take over the ownership of the Island or parts of the Island that are no longer needed for the NAVCOMSTA Mission. It was agreed that our Congressman, Richard Pombo, would request the realignment. The City of Stockton Council, on April 10, 1995, voted to support the request and the County Board of Supervisors is expected to formally confirm their support shortly at one of their next meetings.

Herewith please find a draft of the letter that Congressman Pombo expects to forward to the Defense Base Closure and Realignment Commission. We would very much appreciate it if you could review this draft and advise us of any changes you would recommend.

We greatly appreciate your assistance.

Very truly yours,

  
Alexander Krygsman  
Port Director

APR-11-95 TUE 11:23 VZM

P. 02

The Honorable Richard Pombo  
Member, House of Representatives  
1519 Longworth Office Building  
Washington, D.C. 20515-0511

**DRAFT**  
submitted 4/11/95

Alan Dickson, Chairman  
Defense Base Closure and  
Realignment Commission  
1700 North Moore Street, Suite 1425  
Arlington, VA 22209

Proposal to Realign the Functions of the Naval Communications Station on  
Rough and Ready Island in Stockton, California

Dear Mr. Chairman:

On behalf of the citizens of the 11th Congressional District, I am requesting that your commission review the possibility of realigning the functions of the Naval Communications Station on Rough and Ready Island. We are requesting this action so that the local community can begin to share the use of the property to replace the economic activity and jobs that have been lost through the continuing decline of federal activities there. The City of Stockton and the Board of Supervisors of San Joaquin County join me in support this initiative.

We all strongly support the Navy and the other federal activities in Stockton and we will continue to do so as long as there is national need for these activities. However, in recent years the Naval Communications Station has been progressively reducing its mission and its staffing on the island. We believe this trend will continue until there is an eventual closure. The local community has the desire and the means to assume a constructive role on the island in the immediate future, thereby reversing the negative economic effects of this trend while benefiting the federal government and the local community.

The Naval Communications Station continues to maintain "landlord" responsibilities for several federal government tenants and a vast logistics complex on Rough and Ready Island. Much of the logistics infrastructure is in disuse and is in need of repair and maintenance. Apparently, the Navy has approached other federal agencies to assume their landlord role as their ability to fund and manage the role has been reduced. The Port of Stockton is offering to assume these functions and relieve the Navy of their burdensome responsibilities. At the same time, the Port would improve physical conditions of the island by gradually rebuilding the logistics capabilities.

APR-11-95 TUE 11:24 VZM

P.03

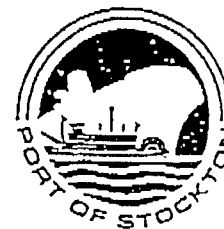
Within our local community the Port is uniquely qualified and suited to assume the lead role in a transition to a smaller federal government presence on the island. The Port is contiguous to Rough and Ready Island and currently owns property virtually surrounding the island. The unused wharves, warehouses, rail trackage, and other logistics facilities on the Island can be repaired by the Port, integrated with their existing facilities and used quickly to regenerate economic activity and replace lost jobs.

The Port has significant management and public works capabilities to competently manage the additional land and improvements. They are financially strong and they have the means to raise the funds for needed maintenance and repairs. They also have a well thought out plan that will accomplish all of this while continuing to support the federal tenants on the Island, including the Navy. I believe this makes a real "win-win" situation possible on Rough and Ready Island.

I request that your commission seriously consider realigning Navy functions to take advantage of the opportunities that now exist.

Sincerely,

Richard Pombo  
Member, House of Representatives



# Port of Stockton

General Offices: P.O. Box 2089, Stockton, CA 95201-2089  
(209) 946-0246 / FAX (209) 465-7244 / TELEX 35-9467

January 25, 1993

*Certified Mail*  
*Return Receipt Requested*  
*P 858 350 849*

Mr. Jim Courter, Chairman  
Defense Base Closure and  
Realignment Commission  
1700 Moore Street, Suite 1425  
Arlington, VA 22209

Reference: Possible closure of the Naval Communication Station,  
Rough and Ready Island, Stockton, California

Dear Mr. Courter:

This letter is in response to discussions with Alex Yellin of the Defense Base Closure office, and Captain Samuel Curry, Commanding Officer of NAVCOMSTA, subsequent to inquiries through Congressman Vic Fazio's office to ascertain the status of this facility.

It is now our understanding that while NAVCOMSTA is the host activity on Rough and Ready Island, the extensive logistical support infrastructure is excess to the requirements of the Navy's communications mission.

The Port of Stockton's land and operations are contiguous to Rough and Ready Island, and in the event that NAVCOMSTA is destined for closure, or if the Navy wants to turn over some or all of the host activities, we would be interested in assuming the "host" position for the Island, or whatever portion of the host position the Navy wishes to relinquish. The Port of Stockton's operations include extensive landlord leasing or hosting functions similar to the NAVCOMSTA host services.

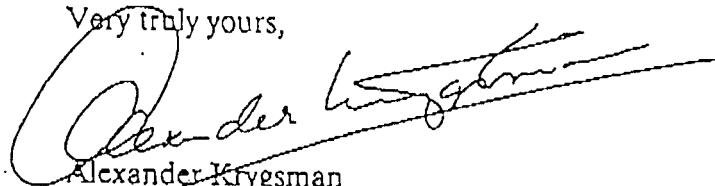
It is not our intent to request that the facility be closed, but only to request that the Stockton Port District be considered for replacing the Navy's position as host, if and when desired, and to whatever extent would be suitable to the Federal Government.

Mr. Jim Courter  
January 25, 1993  
Page 2

Enclosed is a brochure to give you an idea as to the Port of Stockton's operations, an Annual Report, and our General Plan, which includes an overview of our expansion possibilities, one of which addresses the possibility of acquiring Rough and Ready Island, if the Navy were to abandon the facility.

We would appreciate your assistance and support in this matter, and will look forward to hearing from you at your earliest convenience.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Alexander Krygsman", written over a horizontal line.

Alexander Krygsman  
Port Director

AK/pas

Enclosures (3)

cc: Patricia A. Huff ✓

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950412-3

FROM: SCHIFF, STEVE	TO: DIXON
TITLE: REP, (NM)	TITLE: CHAIRMAN
ORGANIZATION: U. S. CONGRESS	ORGANIZATION: DBCR C
INSTALLATION (S) DISCUSSED: KIRTLAND AFB.	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL	✓			COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
				COMMISSIONER ROBLES			
DIR. CONGRESSIONAL LIAISON		✓		COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER	✓		
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL	✓			CROSS SERVICE TEAM LEADER			
DIR. INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature		Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

REQUESTING ADDITIONAL 30 MINUTES FOR THEIR PRESENTATION AT THE ALBUQUERQUE REGIONAL HEARING.

Date: 950414	Routing Date: 950412	Date Originated: 950407	Mail Date:
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**Congress of the United States**  
**House of Representatives**  
**Washington, DC 20515**

April 7, 1995

Please refer to this number  
when responding 950412-3

The Honorable Alan Dixon  
Chairman  
Defense Base Closure and Realignment Commission  
1700 North Moore Street, Suite 1425  
Arlington, VA 22209

Dear Mr. Chairman:

We are writing to respectfully request that the BRAC Commission allow an additional half hour for the presentation at the field hearing scheduled in Albuquerque, NM on April 20.


As you are well aware, serious mission concerns are raised if this realignment occurs. As the state's largest employer, Kirtland Air Force Base is home to an exceptional set of organizations, facilities, and technical experts. As host, Kirtland AFB integrates missions of the Department of Defense, the Department of Energy, the Veterans Administration, and supports over 150 tenant activities. Kirtland AFB is a vital component of a collection of several diverse and inter-related activities in New Mexico. It is imperative for the Commission to gain a clear understanding of this unique synergism and how the realignment proposal impacts each one of these tenants, both in mission and in terms of cost to the taxpayer.


Therefore, in order to fully explore the numerous continuing missions and weigh the impacts of the proposed realignment (the second most severe for the Air Force) in a comprehensive, substantive presentation, additional time is necessary. We realize Kirtland is the only Air Force base in the state of New Mexico being considered for realignment. It is, however, the most severely impacted in the region with regard to job loss. We believe you will agree that the severity of this realignment warrants our request for additional time.

Sincerely,

  
Pete Domenici

  
Jeff Bingaman

  
Bill Richardson

  
Steve Schiff



**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425

ARLINGTON, VA 22209

703-696-0504

950412-3R1

ALAN J. DIXON, CHAIRMAN

COMMISSIONERS:

AL CORNELLA

REBECCA COX

GEN J. B. DAVIS, USAF (RET)

S. LEE KLING

RADM BENJAMIN F. MONTOYA, USN (RET)

MG JOSUE ROBLES, JR., USA (RET)

WENDI LOUISE STEELE

April 12, 1995

The Honorable Jeff Bingaman  
United States Senate  
Washington, DC 20510

Dear Jeff:

Thank you for your recent letter concerning additional presentation time for Kirtland Air Force Base at the Commission's regional hearing in Albuquerque, New Mexico on April 20. I appreciate your interest in the base closure and realignment process and welcome your suggestions.

As you know, each state has been given a block of time in which to make a presentation for those installations affected in that state. The time has been determined by the Commission on the basis of the number of affected installations and the direct military and civilian personnel lost in each state. In order to be fair and impartial, the Commission has been consistent in its time allocations for each installation. Therefore, the Commission is unable to accommodate your request for additional time for Kirtland AFB at the Commission's regional hearing in Albuquerque.

In addition to the regional hearing, at any time during this process you are welcome to meet with Members of the Commission or to submit written testimony in support of Kirtland AFB. Members of Congress will also have an opportunity to testify before the Commission at hearings in Washington, DC on June 12-13.

I want to assure you that all information received by the Commission, either in written form or through testimony before the Commission, receives the same careful review and analysis.

I look forward to seeing you in Albuquerque on April 20. If I can be of assistance as we go through this difficult and challenging process, please let me know.

Sincerely,

Alan J. Dixon  
Chairman



THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

950412-321

ALAN J. DIXON, CHAIRMAN

COMMISSIONERS:

AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

April 12, 1995

The Honorable Pete Domenici  
United States Senate  
Washington, DC 20510

Dear Pete:

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Sincerely,

Alan J. Dixon  
Chairman



**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

For info refer to this number  
950412-321

ALAN J. DIXON, CHAIRMAN

COMMISSIONERS:

AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

April 12, 1995

The Honorable Bill Richardson  
United States House of Representatives  
Washington, DC 20515

Dear Congressman Richardson:

Thank you for your recent letter concerning additional presentation time for Kirtland Air Force Base at the Commission's regional hearing in Albuquerque, New Mexico on April 20. I appreciate your interest in the base closure and realignment process and welcome your suggestions.

As you know, each state has been given a block of time in which to make a presentation for those installations affected in that state. The time has been determined by the Commission on the basis of the number of affected installations and the direct military and civilian personnel lost in each state. In order to be fair and impartial, the Commission has been consistent in its time allocations for each installation. Therefore, the Commission is unable to accommodate your request for additional time for Kirtland AFB at the Commission's regional hearing in Albuquerque.

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Sincerely,

Alan J. Dixon  
Chairman



**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

Please refer to this number  
when responding 950412-3R1

ALAN J. DIXON, CHAIRMAN

**COMMISSIONERS:**

AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

April 12, 1995

The Honorable Steve Schiff  
United States House of Representatives  
Washington, DC 20515

Dear Congressman Schiff:

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Sincerely,

Alan J. Dixon  
Chairman

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) #

9504112-4

FROM: MEEK, CARRIE P	TO: DIXON
TITLE: REP. (FL)	TITLE: CHAIRMAN
ORGANIZATION: U.S. CONGRESS.	ORGANIZATION: DBCRC
INSTALLATION (S) DISCUSSED: HOMESTEAD AFB.	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL				COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
				COMMISSIONER ROBLES			
DIR. CONGRESSIONAL LIAISON		Ⓢ		COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER		X	
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR. INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

✓ Prepare Reply for Chairman's Signature	Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature	Prepare Direct Response
X ACTION: Offer Comments and/or Suggestions	✓ FYI

Subject/Remarks:

FORWARDING LETTER FROM KIM STRYKER WHO IS CONCERNED WITH WAY DOD HANDLES OF RE-USE ISSUES

Use Date: 950414	Routing Date: 950412	Date Originated: 950410	Mail Date:
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CARRIE P. MEEK  
17TH DISTRICT, FLORIDA

COMMITTEE ON  
BUDGET

COMMITTEE ON  
GOVERNMENT REFORM  
AND OVERSIGHT

SUBCOMMITTEES:  
NATIONAL SECURITY, INTERNATIONAL  
AFFAIRS AND CRIMINAL JUSTICE  
POSTAL SERVICE



## Congress of the United States

House of Representatives

Washington, DC 20515-0917

April 10, 1995

Please Respond To:

404 CANNON HOUSE  
OFFICE BUILDING  
WASHINGTON, DC 20515  
(202) 225-4506  
(202) 226-0777 FAX

25 WEST FLAGLER STREET  
SUITE 1015  
MIAMI, FL 33130  
(305) 381-9541  
(305) 381-8376 FAX

Chairman Alan J. Dixon  
Defense Base Closure & Realignment Commission  
1700 N. Moore St., Suite 1425  
Arlington, VA 22209

Please refer to this number  
when responding 950412-4

Dear Chairman Dixon:

Enclosed is a copy of a letter I received from Kim Stryker, President of the Princeton/Naranja Community Council in Dade County, Florida and one of my constituents.

On the basis of our experience in Dade County with the realignment of Homestead Air Reserve Base, Ms. Stryker has proposed improvements regarding the definition of "local community" and the selection process for a Local Redevelopment Authority. I commend her suggestions to your attention and urge you to share them with the other members of the Commission.

Thank you for your kind attention to this important matter.

Sincerely,

CARRIE P. MEEK  
Member of Congress

CPM/js  
Enclosure

M1296

March 6, 1995

TO: Mr. John Schelble  
Congresswoman Carrie Meek's Office

FROM: Kim Stryker, President  
Princeton/Naranja Community Council

RE: HAFB

77416  
-----  
11340

VIA FAX: (202) 226-0777

After watching the Defense Base Closure & Realignment Commission meetings of last week, I found two critical points had not come up. Since Alan Dixon, Commission Chairman said he welcomed questions from all Senators and Representatives who were interested in the process, I hoped you could forward my concerns to the Chair.

1) The BRAC process needs to define "local community". In the case of HAFB the local government is 60 miles away from the base and the local community, within 10 miles, has been ignored by the process. A neighboring city, the namesake for the base has had some input, by virtue of its incorporated status, while immediate neighbors are not even counted when decisions are made regarding their future. Our community arose due to the presence of HAFB and is dying as a result of Andrew/BRAC. Our needs and interests are not a concern, let alone a priority, of Dade County government. There must be a process built into the realignment procedures that will allow citizens, neighbors, everyday people real input into the re-use and development plan. Our everyday life is affected by this realignment, not downtown's. (They are landbanking for Miami International Airport and giving it as a gift to developers without so much as a bid process to justify it.

2) More care needs to go into the selection of a LRA. See above example when this is done hastily, as in the case of HARB, where Andrew forced an unusually quick assignment of an LRA, based on OEA's giving funds to the county and thus declaring them the LRA.

P.S.S. Could bidding for developers who propose to develop bases become mandatory in re-use situations?





**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

Please refer to this number  
950412421

ALAN J. DIXON, CHAIRMAN

COMMISSIONERS:

AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

April 14, 1995

The Honorable Carrie P. Meek  
United States House of Representatives  
Washington, D.C. 20515

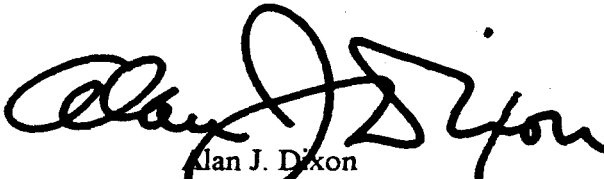
Dear Representative Meek:

Thank you for sending me a copy of the March 6, 1995 letter from one of your constituents, Ms. Kim Stryker, in which she proposes that local communities have greater input in reuse plans.

You may be certain that the Defense Base Closure and Realignment Commission will consider Ms. Stryker's recommendations as we continue our analysis of the reuse process.

Please feel free to contact the Commission whenever you believe we can be of assistance.

Sincerely,



Alan J. Dixon  
Chairman

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950412-5

FROM: 'UACOBBS, ANDY	TO: DIXON
TITLE: REP. (IN)	TITLE: CHAIRMAN
ORGANIZATION: U. S. CONGRESS	ORGANIZATION: DBCRC
INSTALLATION (S) DISCUSSED: NAVAL AIR WARFARE CENTER, INDIANAPOLIS	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA	✓		
STAFF DIRECTOR	✓			COMMISSIONER COX	✓		
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS	✓		
GENERAL COUNSEL	✓			COMMISSIONER KLING	✓		
MILITARY EXECUTIVE				COMMISSIONER MONTOYA	✓		
				COMMISSIONER ROBLES	✓		
DIR. CONGRESSIONAL LIAISON		✓		COMMISSIONER STEELE	✓		
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			X
DIR. INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

✓	Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
	Prepare Reply for Staff Director's Signature		Prepare Direct Response
X	ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

RECOMMENDING DBCRC CONSIDER ~~THE~~ MAJOR GOLDSMITH'S ALTERNATIVE PLAN FOR CLOSING NAWC, INDIANAPOLIS. FORWARDING COPY OF PLAN.

Date Date: 950414	Routing Date: 950412	Date Originated: 950410	Mail Date:
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CONGRESS  
of the  
United States of America

Ways and Means Committee

Andy Jacobs, Jr.

April 10, 1995

Please refer to this number  
when responding 950412-5

The Honorable Alan Dixon  
Chairman, Base Realignment and  
Closure Commission  
1700 North Moore Street, Suite #1425  
Arlington, VA 22209

Dear Chairman Dixon:

Please permit me to again commend to your favorable consideration the impressive win/win solution to the closing of the Naval Air Warfare Center, authored by the Mayor of Indianapolis, the Honorable Steven Goldsmith.

With Mayor Goldsmith's solution, the U.S. government achieves the closure of the Center in Indianapolis while the blow to the city is considerably cushioned.

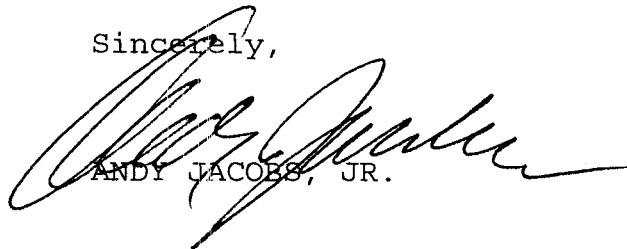
In essence, the Mayor proposes that the employees who are considered for transfer to the Crane Naval Base in southern Indiana be assigned there but remain in Indianapolis.

Indianapolis is truly one of the Midwest success stories, and the availability of suitable tenants to occupy the balance of the Naval Air Warfare Center is impressive.

It is more than just probable that a government-private industry partnership can occur at the Center. And both the United States government and the citizens of Indianapolis can be the better for it.

I enclose a detailed description of Mayor Goldsmith's refreshing proposal.

Sincerely,



ANDY JACOBS, JR.

AJ/tr

Enclosure

NAWC INDIANAPOLIS

BRAC - 95

PROPOSED ALTERNATIVE-  
PARTNERSHIP

# Purpose

---

- NAWC Indianapolis Background
- Indy **Closure** Scenario
- **Partnership** Alternative
- Low Cost and Benefits of **Partnership** Alternative



# Mission

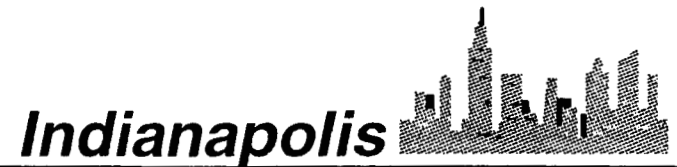
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## **Naval Air Warfare Center Indianapolis**

- **Acquisition Management**
- **Electronics/Avionics Engineering**
- **Prototyping/Quick Response Manufacturing**

---

*Indianapolis*



# Summary of NAWC Indpls Unique Issues

---

- One building at a single site
- Knowledge factory not a manufacturing facility
- Fulfills role of “smart buyer” and problem solver for DOD
- Significant role in dual use technology transfer
- Only 90 miles from Crane
- Overall mission fits into DODs plans and desire to privatize more defense work - ahead of most military facilities



# Product Focus

---

- Aviation Electronics 68%
- Weapons Guidance & Control 14%
- Ship-Based Electronic Systems 11%
- Ground-based Electronic Systems 7%

---

*Indianapolis*



# Future DOD Role of NAWC Indianapolis in the 21st Century

---

- **SPECIALIZED ACQUISITION SUPPORT (*HELPING THE PROGRAM MANAGER BE SUCCESSFUL*)**
  - Evaluate acquisition and technical design alternatives
  - Perform knowledge-based source selection (“smart buyer”)
  - Develop and define requirements
  
- **TAILORED ASSISTANCE TO INDUSTRY PARTNERS (*HELPING THE CONTRACTOR MEET THE NAVY’S NEEDS*)**
  - Develop new commercial sources
  - Transfer technology and manufacturing processes to industry partners
  - Transition from development to production
  
- **RAPID OPERATIONAL SOLUTIONS FOR THE FLEET (*HELPING THE FLEET ACCOMPLISH ITS MISSION*)**
  - Develop and deliver rapid prototypes for operational validation
  - Provide emergency readiness and safety solutions
  - Satisfy mobilization/contingency requirements

# Unique Business Factors

---

- 100% DBOF Activity - Funds only come from customers
- Efficient Operation - Low Labor Rates - Low Overhead Cost
- Not a base - one building in excellent condition
- Innovative management environment
  - Reinvention Laboratory designation
  - originated competency aligned organization now being adopted by NAVAIR
- Unique government, industry, academia consortium for electronics technology transfer

# Closure Scenario

---

- 1150 jobs move only 90 miles south to NSWCC Crane
- 150 jobs move to Pax River and 300 to China Lake to protect “hubs”
- 1300 government jobs eliminated but workload requires at least 800 jobs must be replaced by industry
- Seamless customer support lost through elimination of the integrated engineering and quick response manufacturing capability

---

*Indianapolis*



# Partnership Proposal

---

## Equivalent closure and downsizing:

- City owns Indpls land, facility and excess equipment
- Only 100 jobs move to NSWC Crane and 100 to NAWC Indianapolis for functional co-location of teams
- 1300 government jobs eliminated with as many people as economically feasible placed in a complementary private enterprise(s) on site
- Government and private industry partnership housed in Indianapolis facility provides integrated engineering and quick response manufacturing capability



**Indianapolis**

---

# Partnership Impacts

	<u>Partnership</u>	<u>Closure</u>
• One Time Costs	↑ \$30M	\$180M
• MILCON (included in one time costs)	↑ None	\$40M
• Annual Savings	↑ \$11M/yr	\$11M/yr
• Breakeven	↑ 3 yrs	35 yrs
• Gov Jobs Eliminated	↑ 1300	1300
• People Moving	↑ 200	1600
• Base Closure	↑ Yes	Yes
• Command Alignment	↑ NAVSEA	NAVSEA

Indianapolis



# Net Partnership Proposal Benefits

---

- Save substantial taxpayer dollars
- Retains streamlined but critical integrated engineering and quick response manufacturing capability that would otherwise be lost
- Lowers economic impact to City of Indianapolis
- Establishes a unique public/private partnership
- Retains essential electronics knowledge-based capability

---

*Indianapolis*



# Recommendation

---

DOD and Navy work with BCRC to  
implement the **Partnership** alternative

**Indianapolis**







**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

Please refer to this number  
when responding: 950412-SR1

ALAN J. DIXON, CHAIRMAN

**COMMISSIONERS:**

AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

April 14, 1995

The Honorable Andy Jacobs, Jr.  
United States House of Representatives  
Washington, D.C. 20515

Dear Representative Jacobs:

Thank you for your letter expressing your support for the proposal of Mayor Steven Goldsmith of Indianapolis concerning the Naval Air Warfare Center (NAWC), Indianapolis. It was good to see you at the Commission's regional hearing in Chicago, and I appreciate your testifying before the Commission.

You may be certain that the Commission will thoroughly review the testimony from you, Senator Richard Lugar, Mayor Goldsmith and Glen Lawrence of the Governor's Military Base Commission on the NAWC, Indianapolis.

I look forward to working with you during this difficult and challenging process. Please do not hesitate to contact me whenever you believe I may be of service.

Sincerely,

Alan J. Dixon  
Chairman

AJD:js

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950412-6

FROM: MYERS, GOWEN	TO: DIXON
TITLE: REP. (IN)	TITLE: CHAIRMAN
ORGANIZATION: U.S. CONGRESS	ORGANIZATION: DBCR
INSTALLATION (S) DISCUSSED: NAVAL AIR WARFARE CENTER, INDIANAPOLIS	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA	✓		
STAFF DIRECTOR	✓			COMMISSIONER COX	✓		
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS	✓		
GENERAL COUNSEL	✓			COMMISSIONER KLING	✓		
MILITARY EXECUTIVE				COMMISSIONER MONTOYA	✓		
				COMMISSIONER ROBLES	✓		
DIR. CONGRESSIONAL LIAISON		✓		COMMISSIONER STEELE	✓		
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER	✓		
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER		X	
DIR. INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

✓	Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
	Prepare Reply for Staff Director's Signature		Prepare Direct Response
X	ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:  
 SUPPORTING MAJOR GOLDSMITH'S ALTERNATIVE PLAN FOR THE CLOSURE OF THE NAWC, INDIANAPOLIS

File Date: 950414	Routing Date: 950412	Date Originated: 950407	Mail Date:
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**JOHN T. MYERS**  
7TH DISTRICT, INDIANA

OFFICES:  
2372 RAYBURN BUILDING  
WASHINGTON, DC 20515-1407  
TELEPHONE: 202-225-5805

FEDERAL BUILDING, ROOM 107  
TERRE HAUTE, IN 47808-3689  
TELEPHONE: 812-238-1619

HALLECK FEDERAL BUILDING, ROOM 107  
LAFAYETTE, IN 47901-1322  
TELEPHONE: 317-423-1661



**COMMITTEE ON APPROPRIATIONS**

SUBCOMMITTEES:  
ENERGY AND WATER DEVELOPMENT  
CHAIRMAN  
AGRICULTURE AND RURAL DEVELOPMENT  
MILITARY CONSTRUCTION

**Congress of the United States**  
**House of Representatives**

April 7, 1995

**Hon. Alan Dixon**  
**Chairman**  
**Base Realignment and Closure**  
**Commission**  
1700 N Moore St Ste 1425  
Arlington, Virginia 22209

Please refer to this number  
when responding 950412-6

Dear Chairman Dixon:

It is with regret that I cannot testify in person on behalf of the Naval Air Warfare Center (NAWC) in Indianapolis. However, I am extremely concerned with the decision to close the facility and hope this written testimony will adequately convey my support for the proposal being presented to develop a private-public partnership.

With a changing world structure, it is only appropriate that we alter our national defense needs to suit the current situation. I understand and support the rationale for closing bases. However, I have reservations about closing the Indianapolis NAWC and am pleased with the proposal being submitted by Mayor Goldsmith, the industrial community of Indianapolis, representatives of NAWC and other community officials. Their strategy for the facility accomplishes the goals of the Secretary of Defense's plan and increases the cost savings attributable to the closing. As this time, when we are looking for every possible way to save taxpayers' dollars, this plan is a shining example of how a potentially devastating base closure can be turned into a triumph for the military, community and taxpayers.

Under the Indianapolis public-private partnership proposal:

- \* the NAWC facility is still closed;
- \* the personnel slated to move to Crane are put under the command of Crane, but most are left in Indianapolis;
- \* other personnel slated to move to other locations are re-engineered with Crane personnel into appropriate project teams at the two sites;
- \* the planned force reductions still occur; and
- \* the employees affected by the force reduction are given assistance in the establishment of a new private sector company to sell services and products to federal government agencies and private sector companies.

Hon. Alan Dixon  
April 7, 1995  
Page 2

This proposal increases savings by at least \$90 million, maintains the close relationship between design and development that has consistently benefitted the Navy in the past, and fulfills all of the requirements of the DOD recommendation to the Base Closure and Realignment Commission (BCRC).

To ensure that the federal government receives greater cost savings, retains vital integrated capabilities, and allows this innovative proposal to move forward, the Commission should amend the Secretary of Defense's recommendation to require the implementation of the Indianapolis public-private partnership proposal.

My understanding is the proposal has been reviewed by BCRC staff and, to date, no major objections have been raised. I hope you will give this alternative serious consideration as the Commission proceeds with its deliberations today and during the next three months.

Thank you.

Sincerely,

  
John Myers

o



**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

Please refer to this number  
when responding 950412-621

ALAN J. DIXON, CHAIRMAN

**COMMISSIONERS:**

AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTROYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

April 14, 1995

The Honorable John Myers  
United States House of Representatives  
Washington, D.C. 20515

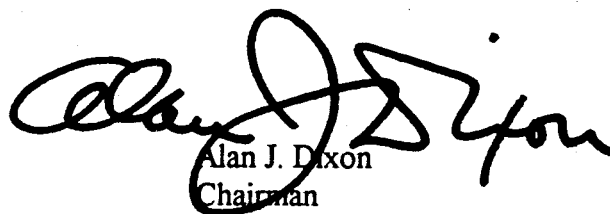
Dear Representative Myers:

Thank you for your letter expressing your support for the proposal of Mayor Steven Goldsmith of Indianapolis concerning the Naval Air Warfare Center (NAWC), Indianapolis. I certainly understand your interest in the base closure and realignment process and I welcome your comments.

As you know, the Commission held a regional hearing in Chicago on April 12 and heard from Senator Richard Lugar, Congressman Andy Jacobs, Mayor Goldsmith as well as Mr. Glenn Lawrence of the Governor's Military Base Commission concerning the NAWC, Indianapolis. You may be certain that the testimony received will be thoroughly reviewed by the Commission in our review and analysis process.

I look forward to working with you during this difficult and challenging process. Please do not hesitate to contact me whenever you believe I may be of service.

Sincerely,



Alan J. Dixon  
Chairman

AJD:js

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950412-7

FROM: WARD, MIKE	TO: DIXON
TITLE: REP. (KY)	TITLE: CHAIRMAN
ORGANIZATION: U.S. CONGRESS	ORGANIZATION: DBCRC
INSTALLATION (S) DISCUSSED: NAVAL ORDNANCE STATION, LOUISVILLE	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INIT	COMMISSION MEMBERS	FYI	ACTION	INIT
CHAIRMAN DIXON				COMMISSIONER CORNELLA	✓		
STAFF DIRECTOR	✓			COMMISSIONER COX	✓		
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS	✓		
GENERAL COUNSEL	✓			COMMISSIONER KLING	✓		
MILITARY EXECUTIVE				COMMISSIONER MONTOYA	✓		
				COMMISSIONER ROBLES	✓		
DIR. CONGRESSIONAL LIAISON	✓			COMMISSIONER STEELE	✓		
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER	✓		
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER	✓		
DIR. INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature	Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature	Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓ FYI

Subject/Remarks:  
 THANK YOU FOR VISITING BASE. ALSO, LETTER OF SUPPORT FOR COMMUNITY PLAN FOR NOS, LOUISVILLE.

File Date:	Routing Date: 950412	Date Originated: 950405	Mail Date:
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**Congress of the United States**  
**House of Representatives**  
**Washington, D.C. 20515-1703**

April 5, 1995

Mike Ward  
Member of Congress  
Third District Kentucky

Charles B. Mattingly  
Chief of Staff

The Honorable Alan J. Dixon  
The Honorable S. Lee Kling  
The Honorable Alton W. Cornella  
Defense Base Closure and Realignment Commission  
1700 North Moore Street, Suite 1425  
Arlington, VA 22209

Please refer to this number  
when reporting 950412-7

Dear Mr. Chairman and Commissioners:

We appreciate your taking time from your busy schedules to visit the Naval Ordnance Station, Louisville (NOSL), and we regret that Congressional business prevents us from joining you personally for this visit.


We believe that the Naval Ordnance Station is the last facility of its type and that the Station offers an **integrated, full-service gun systems expertise** which is **essential and invaluable to the readiness of our forces.**

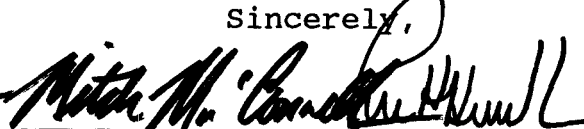
We are confident that your visit at Louisville will impress upon you that we must keep the **unique combination of industrial, mechanical and engineering knowledge** which has permitted NOSL to be inventive and effective in making gun systems that will best serve the Fleet and the Department of Defense.


The Naval Ordnance Station has served as "gunsmith to the Navy" for over 50 years. Our community proposal -- advanced with encouragement and support from key Navy officials -- will save money for the Department of Defense and will maintain and strengthen the essential gun systems capability at NOSL. We support this initiative and request your help to make NOSL the **center of gun excellence** for the Department of Defense.


Thank you, again, for your visit to Louisville and for your consideration of the NOSL case pending before your Commission.

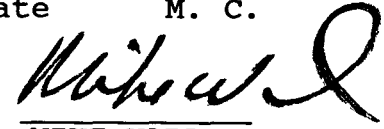
Sincerely,

  
WENDELL H. FORD  
U.S. Senate

  
MITCH MCCONNELL  
U.S. Senate

  
LEE HAMILTON  
M. C.

  
RON LEWIS  
M. C.

  
MIKE WARD  
M. C.

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950412-8

FROM: HOYER, STENY	TO: COX, REBECCA
TITLE: REP. (MO)	TITLE: COMMISSIONER
ORGANIZATION: U.S. CONGRESS	ORGANIZATION: BCRC
INSTALLATION(S) DISCUSSED: WHITE OAK, NSWC AT ANNAPOLIS	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX	✓		
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL	✓			COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
				COMMISSIONER ROBLES			
DIR. CONGRESSIONAL LIAISON	✓			COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A			
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER			
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR. INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature		Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:  
 THANK YOU FOR VISITING BASE. ALSO, LETTER OF SUPPORT.

File Date:	Routing Date: 950412	Date Originated: 950331	Mail Date:
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U. S. HOUSE OF REPRESENTATIVES

March 31, 1995

STENY HAMILTON HOYER  
5TH DISTRICT, MARYLAND

The Honorable Rebecca Cox  
Defense Base Closure  
and Realignment Commission  
1700 North Moore Street #1425  
Arlington, VA 22209

Please refer to this number  
when responding 950.412-8

Dear Rebecca:

I very much enjoyed being with you and I want to again thank you and your staff for taking the time out of your busy schedule to tour White Oak and the NSWC at Annapolis.

Annapolis and White Oak are unique from other installations on the closure list for two important reasons. First, the research and development they perform is absolutely essential if our Armed Forces are to maintain their competitive advantage. Secondly, and perhaps more importantly, their research is dependent on equipment and technical expertise which cannot be found, or moved, anywhere else.

I believe that after carefully reviewing the facts you will come to the same conclusion I have. The NSWC at Annapolis and White Oak are assets that must be maintained.

Again, thanking you and with warmest personal regards, I am

Sincerely yours,

  
STENY H. HOYER

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950412-9

FROM: CONRAD, KENT	TO: DAVIS, J. B.
TITLE: SENATOR (NO)	TITLE: COMMISSIONER
ORGANIZATION: U. S. CONGRESS	ORGANIZATION: DBCRC
INSTALLATION(S) DISCUSSED: GRAND FORKS + MINOT AFB	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS	✓		
GENERAL COUNSEL	✓			COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOKA			
				COMMISSIONER ROBLES			
DIR. CONGRESSIONAL LIAISON	✓			COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A			
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER	✓		
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER			
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR. INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature		Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:  
 THANK YOU FOR VISITING BASES. LETTER OF SUPPORT.

Re Date:	Routing Date: 950412	Date Originated: 950404	Mail Date:
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KENT CONRAD  
NORTH DAKOTA



United States Senate

WASHINGTON, D. C. 20510

April 4, 1995

Please refer to this number  
when responding 950442-9

Gen. J.B. Davis (Ret)  
Defense Base Closure and Realignment Commission  
1700 North Moore St  
Suite 1425  
Arlington, VA 22209

Dear Commissioner Davis:

Thank you for coming to North Dakota last week to visit the Minot and Grand Forks Air Force Bases. We appreciated having an opportunity to show you the quality of the bases and the special relationship they have with their host communities.

In North Dakota, we are proud of our bases and proud of the dedicated men and women who serve there. We are convinced that retaining Grand Forks and Minot is in the national interest; we hope you will agree.

I know how difficult your job will be over the next 3 months and trust your visit to North Dakota will help you in your deliberations. Please do not hesitate to contact me if I can be of any assistance.

Best personal regards.

Sincerely,

A handwritten signature in cursive script that reads "Kent Conrad".

KENT CONRAD  
United States Senator

*I greatly respect the challenge  
you face. R*

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950412-10

FROM: COSTELLO, MERRY	TO: KLING, LEE
TITLE: REP. (IL)	TITLE: COMMISSIONER
ORGANIZATION: U. S. CONGRESS	ORGANIZATION:
INSTALLATION (S) DISCUSSED: CHARLES MELVIN PRICE SUPPORT CENTER	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DIXON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL	✓			COMMISSIONER KLING	✓		
MILITARY EXECUTIVE				COMMISSIONER MONTOKA			
				COMMISSIONER ROBLES			
DIR. CONGRESSIONAL LIAISON	✓			COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A			
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER			
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER			
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR. INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature	Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature	Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓ FYI

Subject/Remarks:

THANK YOU FOR VISITING BASE.

Rec Date:	Routing Date: 950412	Date Originated: 950331	Mail Date:
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THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950412-11

FROM: CIRILLO, FRANK	TO: BLUME, JAY
TITLE: AIR FORCE TEAM LEADER	TITLE: SPECIAL ASST.
ORGANIZATION: DBCRC	ORGANIZATION: HEADQUARTERS USAF
INSTALLATION (S) DISCUSSED:	

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DEON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL	✓			COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA			
				COMMISSIONER ROBLES			
DIR. CONGRESSIONAL LIAISON				COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER	✓		
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER			
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR. INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature		Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓	FYI

Subject/Remarks:

REQUESTING BACK UP DATA FOR THE AIR FORCE  
 COBRIA ON THE ROME LAB MOVE TO 'HANSLOW' AND  
 FT MONMOUTH.

Rec Date: \_\_\_\_\_ Routing Date: 950412 Date Originated: 950412 Mail Date: 950412



**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425

ARLINGTON, VA 22209

703-696-0504

ALAN J. DIXON, CHAIRMAN

**COMMISSIONERS:**

AL CORNELLA

REBECCA COX

GEN J. B. DAVIS, USAF (RET)

S. LEE KLING

RADM BENJAMIN F. MONTOYA, USN (RET)

MG JOSUE ROBLES, JR., USA (RET)

WENDI LOUISE STEELE

April 12, 1995

Major General Jay Blume (Lt. Col. Mary Tripp)  
Special Assistant to the Chief of Staff  
for Base Realignment and Transition  
Headquarters USAF  
1670 Air Force Pentagon  
Washington, D.C. 20330-1670

Please refer to this MATRIST  
when recording 950412-11

Dear General Blume:

Please provide the following back-up data for the Air Force COBRA on the "Option Rome Lab to Hanscom and Ft Monmouth, NJ" (COBRA file name RL-Hm42.CBR, also known as Rome-Lab. CBR):

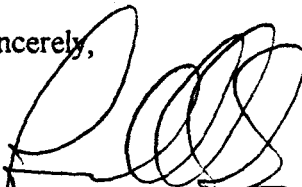
- All of the source documents for the Rome Lab-Griffiss Manpower Calculations (assuming - 50/50 directorate split) spreadsheet source documents and calculations, including PE worksheets, MFR Mlezvia data, AF/CV data, and all COBRA assumptions.
- Rome Lab Distributed Space Calculations spreadsheet CE source calculations, including an explanation of the BOS and functional tails numbers and assumptions.
- A detailed description, including calculations, of how the COBRA personnel and overhead costs and savings were derived.
- Manpower Adjusted Base Line Total of 933 PE data, and modified PE data 12/15/95, calculations supporting the elimination of 50 personnel.
- Basis for force structure changes by 1997 by year.
- Source data for One-Time Unique Costs (\$K), One-Time Moving Costs, and MILCON, including 2/3/95 CE cost estimate worksheets, when site surveys were conducted, their duration, and who conducted them.
- DOD/Air Force definitions and gross/net square footage allowances for administrative space vice laboratory space; light, medium, and heavy laboratory space; and light and heavy SCIF space.

-- COBRAs for the following Rome Lab-Griffiss options as shown on the "bucket" chart used to brief the Secretary of the Air Force on February 3, 1995:

- Option 1-- Consolidate Air Force C4I R&D
- Option 2 -- Consolidate Most C4I Research At Fort Monmouth
- Option 3 -- Consolidate Air Force C4I (Mobile-Army and Airborne-Air Force).

In order to assist the Commission in its review of these COBRAs, I would appreciate the data no later than April 28, 1995. If you have any questions regarding this request, please contact Dick Helmer, Cross Service Team Analyst (703-696- 0504, ext. 177). Thank you for your assistance in this matter.

Sincerely,



Francis A. Cirillo Jr., PE  
Air Force Team Leader



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS UNITED STATES AIR FORCE  
WASHINGTON DC

Please refer to this number  
when responding 950412-11R1

MEMORANDUM FOR BASE CLOSURE COMMISSION (Mr. Francis A. Cirillo, Jr.)

FROM: AF/RT

SUBJECT: Rome Lab COBRA Back-Up Data (RT Tasker 388)

In your letter of 12 Apr 95, you requested back-up data for the Air Force COBRA on the "Option Rome Lab to Hanscom and Ft. Monmouth, NJ". In response, we have included information on each of the eight areas you requested.

**Request 1. All of the source documents for the Rome Lab-Griffiss Manpower Calculations (assuming 50/50 directorate split) spreadsheet source documents and calculations, including PE worksheets, MFR Mleziva data, AF/CV data, and all COBRA assumptions:**

Response 1. The manpower split for the Rome Lab to Hanscom/Ft. Monmouth Recommendation was developed as follows:

- a. An overall concept for the option was developed: Relocate to Ft Monmouth that research which was not directed to Air Force only applications. This translated into (1) research that was not uniquely Air Force (e.g., Photonics) and (2) research that had applicability to both the Air Force and Army (e.g., Tactical Radios).
- b. A description of the Rome Laboratory research activities down to the branch level (Atch 1) was obtained from the Commander, Rome Lab. Based upon the overall concept described above, the Rome Lab activities (Directorate, Division, Branch) were allocated to Hanscom or Ft. Monmouth. Refer to the SECAF recommendation (Atch 2) for a listing of which activities went where. The proper location for Software Technology Division was determined in a conference between SECAF, AF/CV, and the BCEG on 02 Feb 94.
- c. Since we are using 1997/4 as the manpower baseline, and since AF/PE does not keep 1997 manpower projections down to the branch level, the current distribution of personnel was used as a surrogate for the determination of how many personnel would go to Hanscom and Ft. Monmouth (ref Atch 3).
- d. The current mission workload was adjusted in accordance with the distribution of activities (b above) and the associated numbers from the current personnel distribution (c above). The revised totals (current manpower numbers) were proportionally adjusted to arrive at the AF/PE 1997/4 manpower baseline. Additionally, a 4% savings due to the consolidation at Hanscom of the two geographically separate units; a closure savings was projected based on Base Operations Support (BOS) equivalent savings for the cantoned Rome Lab; and planned force structure changes were applied. This resulted in the manpower numbers used in the COBRA analysis. The AF/PE 1997/4 baseline (933 positions) was reduced by 50 positions (28 BOS savings plus 22 consolidation savings) to 883 which was divided into 374 to Ft. Monmouth and 509 to Hanscom AFB.

**Request 2. Rome Lab Distributed Space Calculations Spreadsheet CE source calculations, including an explanation of BOS and functional tail numbers and assumptions:**

Response 2. The laboratory space requirements, availability, and cost for refurbishment/construction are included in the CE estimates at attachment 4. The BOS and functional tails are estimated by AF/PE. Base operating support (BOS) tail manpower represents the incremental support manpower that would be needed at the receiving site to support the manpower being moved by BRAC. It is computed as follows:

Total BOS = 9.6% x mission manpower moved + 2% x drill manpower  
However, for AFMC bases this factor is adjusted as:



9.6% x military mission manpower moved + 8% x civilian mission manpower moved +  
2% x drill manpower

Once total BOS is determined, it is distributed as:

normal factor: 1% officer, 75% enlisted, 24% civilian  
for AFMC bases: 1% officer, 25% enlisted, 74% civilian

**Request 3. A detailed description, including calculations, of how COBRA personnel and overhead costs and savings were derived:**

Response 3. Personnel costs and savings are determined by the COBRA software package version 5.08. The algorithms for the software are attached (Atch 5).

**Request 4. Manpower Adjusted Baseline Total of 933 PE data, and modified PE data 12/15/95, calculations supporting the elimination of 50 personnel:**

Response 4. The PE data used for the Rome Laboratory COBRA analysis is attached (Atch 6). The elimination of 50 people was due to a 4% savings from the consolidation at Hanscom of the two geographically separate units and a closure savings (BOS equivalent for the cantoned Rome Lab). This resulted in the elimination of 50 positions (28 closure savings plus 22 consolidation savings).

**Request 5. Basis for force structure changes by 1997 by year.**

Response 5. The force structure changes in the COBRA analysis represent the anticipated changes between the fourth quarter 1994 base population and the AF/PE projection of the population in the fourth quarter of 1997. The primary changes for Rome Lab were the transfer of support manpower positions from Air Combat Command as a result of the Griffiss AFB closure and conversion of military positions to civilian.

**Request 6. Source data for One-Time Unique Costs (\$K), One-Time Moving Costs, and MILCON, including 2/3/95 CE cost estimate worksheets, when site surveys were conducted, their duration, and who conducted them:**

Response 6. The one time unique costs are based on the combination of civilian leave (standard formula) and utility upgrade requirements (Atch 7), the one time moving costs are directly from the certified data (Atch 8), and the MILCON estimates are from AF/CEPP (Atch 4). Site surveys were conducted as follows:

<u>Survey</u>	<u>Date(s)</u>	<u>Participants</u>
Pre Site Survey (Hanscom)	13 Jan 95	AF/RT/CE
Pre Site Survey (Ft Monmouth)	17 Jan 95	AF/RT/CE
Initial Site Survey	27-31 Mar 95	AFMC/XP/CE
Site Survey	10-14 Apr 95	AFMC/XP/CE/SC, ESC/CC/AV/CE/IN, HQ USAF/CE, 66SPTG/SC, & RL/CE

**Request 7. DOD/Air Force definitions and gross/net square footage allowances for administrative space vice laboratory space; light, medium, and heavy laboratory space; and light and heavy SCIF space:**

Response 7. Administrative space; light, medium, and heavy laboratory space; and light and heavy SCIF space are defined as shown in attachment 9. In reference to administrative space and prewired workstations, a maximum of 162 square foot gross shall be used along with additional justified special purpose spaces (AFH 32-1084 -- DRAFT). Additionally, the prewired workstations are authorized and shall be used for administrative areas which contain at least 1,000 square feet of contiguous net office space. If the project includes prewired workstations, the

authorized gross square footage shall be reduced to 135 square feet with additional justified special purpose spaces (Engineering Technical Letter 90-2).

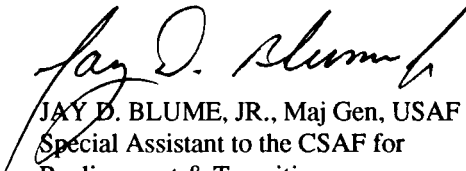
For laboratory space (light, medium, and heavy) and SCIF space (light and heavy) the Air Force has not published any standard facility requirements. Gross/net square footage allowances are determined based on validated user requirements.

**Request 8. COBRAs for the following Rome Lab-Griffiss options as shown on the "bucket" chart used to brief the Secretary of the Air Force on February 3, 1995:**

- **Option 1--Consolidate Air Force C4I R&D**
- **Option 2--Consolidate Most C4I Research at Ft. Monmouth**
- **Option 3--Consolidate Air Force C4I (Mobile-Army and Airborne-Air force)**

Response 8. The COBRA runs you requested are included as attachments 10, 11, and 12.

My point of contact for this action is Major Wallace, AF/RTR, DSN 225-4578

  
JAY D. BLUME, JR., Maj Gen, USAF  
Special Assistant to the CSAF for  
Realignment & Transition

**Attachments:**

- 1) RL Research Activity Descriptions
- 2) RL SECAF recommendation
- 3) Personnel Distribution Memos and Spreadsheets
- 4) CE MILCON Estimates
- 5) COBRA Algorithms
- 6) RL PE Data
- 7) Army Facility Upgrade Data
- 8) Certified Data for RL One-Time Moving Costs
- 9) Space Definitions
- 10) COBRA - Consolidate Air Force C4I R&D
- 11) COBRA - Consolidate Most C4I Research at Ft. Monmouth
- 12) COBRA - Consolidate Air Force C4I (Mobile-Army and Airborne-Air force)

**Back-up data  
Programmatic Impacts of SECDEF Recommendations**

**Electromagnetics and Reliability (RL/ER)**

There are a few areas open to interpretation, especially in the Electromagnetics and Reliability (RL/ER) area.

- First, we are assuming that the RL/ER people already at Hanscom will remain there. I checked this with Al Goldstajn who confirms that this is correct--if they were to be moved there would have been a recommendation for Hanscom.
- Second, we are unsure how we should split the RL/ER people at Griffiss--all to Monmouth except contractor support for the sites under a reconstituted RL at Hanscom or some government presence in New York to support the sites and test programs at the sites. The number of government people in New York could vary anywhere between 0 to 83 depending on how AFMC wants to interpret this. The high number would include the entire Electronic Systems Engineering Division (ERS)--47 people--as well as the 36 Modeling and Fabrication people we are gaining for site work as part of our standalone activities. In our spread sheet we have assumed that 46 people stay in New York--10 of our present engineers and the 36 Modeling and Fab people

Key jewels within this directorate:

RH-32--radiation hardened, space qualified 32 bit computer  
DoD lead for SECDEF's initiative for Qualified Manufacturers List  
DoD lead for automatic test and diagnostics technology critical to the ALCs, operational forces and two level maintenance  
Reliability physics  
Computational electromagnetics (key modeling and simulation tool)  
Upside down Air Force (esp. F-22 work)

I've attached a four page document entitled "Rome Laboratory: Electromagnetics and Reliability--Griffiss (ER-G)" that describes the work done within ER-G at the branch level. Note that the numbers on this sheet are assigned as of 31 Dec 94 and differ slightly from authorized as of 28 Feb 95 and do not include the 36 modeling and fab authorizations.

## Rome Laboratory

### Electromagnetics and Reliability-Griffiss (ER-G)

- 3 ER-G Front Office
- 5 ERD Electronics Reliability Division
- 13 ERDA Reliability and Diagnostics Branch

DOD's premier test and analysis facility for analog devices. This group pioneered the evaluation of analog devices—especially Monolithic Microwave Integrated Circuits (MMICs)—used in advanced AF and DOD systems. The group develops and establishes quality and reliability procedures for evaluating analog devices. In addition, the group includes one of the world's experts for the testability and fault tolerance concerns of microprocessors and other complex devices. This work has led to the design and development of the RH-32, a radiation hardened, fault tolerant, 32 bit computer for space applications. This group is working at the microcircuit level as the lead for the SECDEF's acquisition reform initiative with the goal of replacing most MIL SPECS with best commercial practices. The group lead the DOD Qualified Manufacturers List (QML) efforts under this initiative. Finally, this group is leading the investigation of the reliability of photonic devices.

- 14 ERDB Design and Diagnostics Branch

While ERDA leads Rome Lab's work in analog devices, ERDB leads in digital devices. This group manages DOD's most sophisticated tester for digital devices — the J953 Teradyne tester. It can test the most complicated and highest speed integrated circuits and multi-chip modules built today. It is the only facility of its kind in DOD. The group also designs tools to help manufacturers "design-in" reliability especially to avoid the effects of electromigration and hot electron effects in their devices. The group leads DOD efforts in the rapid prototyping of signal processing architectures—crucial to the design to advanced systems for air and space platforms. And the group provides automatic test technology that reduces costs for logistics support by an order of magnitude. The systems avoid lock in to contractor proprietary test equipment and allow test vectors to be generated directly from high level equipment descriptions. This technology has proven itself at SAALC and is now being transitioned to WRALC.

## Rome Laboratory

### Electromagnetics and Reliability-Griffiss (ER-G)

14 ERDR Reliability Physics Branch

Basic research that investigates the influence of materials and interfaces on the reliability of silicon-based and compound semiconductor devices. Fundamental work in electromigration in thin films—an increasing reliability problem as device geometries become smaller and smaller. Group develops improvements in semiconductor processing to desensitize products to this failure mechanism. Area also works on the failure mechanisms of simple test structures which can be used "on-chip" for cost-effective in-line screening. In addition to electromigration, evaluates hot-electron degradation and time dependent dielectronic breakdown. Currently researching the R&M impacts of the use of plastic encapsulated microcircuits in defense systems which offer large potential cost savings, but have little reliability data in defense uses. Efforts support all AF systems especially air and space platforms.—In addition to AF customers, supports ARPA, NASA, NRL, and the electronics industry

11 ERDS Design Analysis Branch

Develops simulation tools for the Air Force and DOD to evaluate the mechanical, thermal, and electronic performance of devices and components before they are built and to investigate failures after the devices are fielded. Recently, these tools were instrumental in an investigation of problems in Traveling Wave Tubes (TWTs) at WRALC. The simulation tools pinpointed the problem in the thermal design of the tubes and was able to definitively indicate which tubes should be scrapped and which could be saved—returning a substantial investment of TWTs to the inventory. Group has developed a multi-chip module (MCM) thermal analyzer that allows design evaluation of these complex devices in software before committing to hardware production. The analyzer simulates the full electrical and thermal performance of the devices including the interactions between thermal and electrical properties. This pioneering work will greatly reduce the costs and schedule for advanced systems which use MCMs. This work supports all product centers and logistic centers but has special significance to the space community. Air Force efforts have been greatly leveraged by ARPA funding in this area. This group also manages the DOD Reliability Analysis Center which supports the entire Defense community.

57

ERD Division Total



# Rome Laboratory

## Electromagnetics and Reliability-Griffiss (ER-G)

3     ERS     **Electronic Systems Engineering Division**

13    ERSE    **Electromagnetics Systems Engineering Branch**

This branch develops electromagnetic antenna measurement and analysis techniques to assess Air Force and joint weapons platforms. This group is the heart of what is known as the "Upside-down Air Force"—test facilities used by all current airframes to measure radar signatures and antenna interactions. Airframes currently under test include the F-22, F-16, B-1, C-130. The emphasis is to support advanced antenna design and engineering, develop instrumentation to evaluate ultra low sidelobe array technology, and validate modeling and simulation efforts. In addition to the airframes mentioned above, this work supports Joint STARS, Special Ops forces, AFMC product and logistics centers, Navy and Army platforms, the White House Communications Agency and research efforts into optically fed phased arrays, active and adaptive array technology, and airborne surveillance arrays. These facilities are unique within the tri-service community.

12    ERSR    **Systems Reliability Engineering Branch**

Develops R&M analytical and experimental techniques and methods to insure that R&M is an integral part of the chip-through systems design process. Current activities support the SECDEF's Acquisition Reform Initiative—developing the methodology to effectively allow the use of Commercial Off The Shelf (COTS) devices and equipment in DOD systems and to allow designs that merge and integrate interfaces between devices and systems. Working on performance-based development specifications in conjunction with commercial industry. Current customers include AIA, ESC, ASC, SMC, ACC, AMC, WRALC, F-22 SPO, Army MICOM, OSD/WSIG, the Naval Air Systems Command and a broad selection of Defense industrial companies

5     ERSS    **Systems Evaluation Office**

This office manages five off-base sites used for research throughout Rome Lab – Stockbridge, Newport, Forestport, Ava, and Verona. Actual engineering projects at these sites are led by engineers from other offices. Stockbridge and Newport house the "Upside-down Air Force" used to

## Rome Laboratory

### Electromagnetics and Reliability-Griffiss (ER-G)

evaluate and influence the electromagnetic characteristics of all Air Force airframes including the F-22

14 ERST Systems Technology and Integration Branch

Leads modeling and simulation work in computational electromagnetics to support AFMC product centers and logistics centers. This work is critical in supporting other technology efforts throughout the Air Force. Work is increasing our ability to iterate and optimize designs early in the development cycle prior to "bending metal" and allows ALCs and SPOs to analyze problems brought on by modifications and life extensions to aging platforms.

47 ERS Division Total

5 ER# Management Support Office

-

112 ER-G Directorate Total

**Back-up data  
Programmatic Impacts of SECDEF Recommendations**

**Command, Control and Communications (RL/C3)**

This directorate will be substantially pulled apart between Ft Monmouth and Hanscom under the SECDEF's recommendation.

- The entire Software Technology Division will move to Hanscom.
- The Command and Control Systems Division has two branches--one will move to Hanscom, one to Monmouth. Hanscom will receive the Advanced Concepts Branch -- provides technology support to the CTAPS program office at ESC/AV. It developed APS and FLEX and has a series of other technology programs to support Theater Battle Management. Monmouth will receive the Computer Systems Branch--technologies for distributed computing, federated databases, multi-media management, fault tolerance and defensive information warfare.
- The Communications Division has three branches--one to Hanscom, two to Monmouth. Hanscom receives the Space Comm Branch--supports SMC's MILSATCOM JPO, absolutely vital. Monmouth receives the Radio Comm and Comm Network branches. Radio Comm already has a heavy Army support flavor--Speakeasy is the big project here--and is the one area that most makes sense to send to Monmouth. The Comm Networks area is a jewel--absolutely vital to providing imagery and video to the warfighter. This work has tremendous tech transfer potential as well.

Key jewels within the three branches moving to Monmouth:

Distributed computing  
Defensive information warfare technologies  
Speakeasy (multiband, modular radios)  
High-speed communication network technologies

I've attached a four page document entitled "Rome Laboratory: Command, Control and Communications directorate (C3)" that describes the work done within C3 at the branch level. Note that the numbers on this sheet are assigned as of 31 Dec 94 and differ slightly from authorized as of 28 Feb 95 and that since this directorate is being split we have apportioned directorate and division management to the branches.



## Rome Laboratory

### Command, Control and Communications Directorate (C3)

- 5 C3 Directorate Front Office
- 5 C3A Command and Control Systems Division
- 22 C3AA Advanced Concepts Branch
- Research to enhance the Tactical Air Control System (TACS) with rapid and flexible force planning and execution control. Primary technology support to CTAPS program at ESC/AV. Programs in various stages of development--Advanced Planning System (APS), Force Level Execution (FLEX), Operations-Intelligence Integration (OII), Defensive Planning Decision Aid (DP). Programs are under guidance of the TBM General Officer Steering Group will be incorporated in the Global Command and Control System (GCCS).
- 28 C3AB Computer Systems Branch
- R&D to support development of distributed information systems to provide immediate, world-wide, access to information in a seamless manner from sensors to planning cells to decision makers to execution elements. Involves the development of distributed computing environments, federated database management, distributed multi-media database management and fault tolerance. Funded heavily by ARPA and targeted for both the AF and Joint communities (JCS, DISA, CINCs). In addition, this branch is the principal technology arm for defense information warfare. Works on technologies to support information security (INFOSEC) and communications security (COMSEC) with a special emphasis on the problems associated with distributed computer systems. Funded heavily by Air Force and joint intelligence communities
- 55 C3A Division Total

## Rome Laboratory

### Command, Control and Communications Directorate (C3)

9 C3B **Communications Division**

18 C3BA **Space Communications Branch**

Provides technology to Phillips Lab, SMC and ESC. Critical 6.1, 6.2 and 6.3 work to support ground and space segments of Milstar, DSCS, and military use of commercial SATCOM. Work includes research at SHF and EHF, on-board signal processing to support anti-jamming, low probability of intercept, comm on the move, and increased utilization of allocated frequencies. [Note: Phillips Lab has no 6.2 line in this area, but depends on Rome Lab technology which it then transitions to space experiments] Supports the development of ground and airborne terminals and global reach back capabilities using ATM technology. In addition to the Air Force, customers include DISA, ARPA, INCA, and the intelligence community.

16 C3BB **Radio Communications Branch**

Research and technology designed to support multi-band, multi-waveform programmable radios for ground, air and space use. Strong emphasis on simplifying logistics tail—using advanced commercial signal processors to make a modular radio with an open systems architecture that can talk to almost everyone. Major project in branch is SPEAKEASY, which originated at Rome Lab, gained support from Balanced Technology Initiative and now is funded 50% by ARPA, 25% by Air Force, and 25% by Army. Development approach will spin out modules that can be used in existing radios as well as new ones for both air and ground. Long term efforts support wireless comm capabilities that would automatically provide service on demand in any signal environment.

## Rome Laboratory

### Command, Control and Communications Directorate (C3)

#### 16 C3BC Communications Network Branch

Research in rapidly advancing area of networking, absolutely vital to passing large amounts of data such as imagery and video to theater commanders, wings and squadrons. Work is critical for supporting global awareness. Works with industry in advancing asynchronous transfer mode (ATM) -- a new protocol that combines the best features of packet switching and circuit switching to create virtual circuits that maximize use of existing and planned communication nets. Areas of emphasis include network management, adaptable/robust protocols, communications security and advanced switching. Customers supported include ESC, ACC, AMC, AIA, USSOCOM, DISA and ARPA.

#### 59 C3B Division Total

#### 12 C3C Software Technology Division

#### 18 C3CA Knowledge Engineering Branch

Research in artificial intelligence, particularly in the area of knowledge based planning, scheduling and resource allocation. This research area feeds the programs that have been developed at Rome Lab for CTAPS-APS and FLEX in particular use knowledge based planning algorithms to generate Air Tasking Orders for theater commanders while constantly performing constraint checking. In addition to CTAPS work, this group developed the DART system--a planning system for AMC's worldwide operations. Group is well respected by ARPA (won their Agent of the Year award last year) and consequently leverages Air Force funds with substantial ARPA money. Customers include AMC, ACC,

## Rome Laboratory

### Command, Control and Communications Directorate (C3)

USTRANSCOM, USAFE, USPACOM, PACAF, USACOM,  
USEUCOM, and ESC

#### 18 C3CB Software Engineering Branch

Technologies to increase productivity for software development and maintenance--strong initiatives for Dr Feigenbaum, AF/ST, and Mr Mosemann, in SAF/AQ, Air Force costs for software development and maintenance continue to rise and actually dominate system life cycle cost in many instances. Group has developed, demonstrated, and transitioned software development environments such as ProSLSCE and KBSA that dramatically improve productivity. KBSA is a Knowledge Based Software Assistant that enforces standards and eliminates errors at the very start of the software cycle. Customers include ESC, the Air Logistics Centers, AETC, ARPA, and industry (which uses these products on defense projects.

#### 48 C3C Division Total

#### 5 C3M Management Support Office

#### 172 C3 Directorate Total

**Back-up data  
Programmatic Impacts of SECDEF Recommendations**

**Photonics (RL/OCP)**

This division of RL's Surveillance and Photonics directorate will move to Monmouth in toto--the Surveillance Division, OCS, (which includes our Signal Processing research) will move to Hanscom

- Rome Lab does photonics research in three directorates--ER, OC, and IR. Our understanding is that the only group moving to Monmouth is the group in OC--OCP, the Photonics Division. Key photonics material work and some applications for beam forming are done at Hanscom in RL/ER which is not slated to move under the SECDEF's recommendation. And our mass storage work is done in our Intelligence Directorate (IR) which is slated to move to Hanscom--this includes our optical disk work and our promising 3-D optical memories.
- We had strongly recommended to Mr Goldstain that this division move to Hanscom--it works very closely with Rome Lab's Electromagnetics Directorate (RL/ER) at Hanscom.
- This division and its technologies will revolutionize C3I and Avionics--optical computing, hybrid optical and electronic computers, optical control of phased arrays, high speed optical communications, optical correlation are on the horizon
- The division moving to Monmouth includes our Photonics Center dedicated with great fanfare in the mid 80s by General Randolph. The Photonics Center houses our in-house researchers and numerous visiting industry scientists, faculty members and students from throughout the country.
- There are two interesting state involvements in Photonics. On one hand, we have an MOU between the New York Governor and the AFSC Commander--despite the rhetoric that may be heard, New York has only given this initiative token support. On the other hand, Dr Don Fraser (former Deputy Under Secretary for Acquisition) has received over \$50M from Massachusetts and ARPA to develop a Photonics Center in Boston (I think under BU)--if we could piggyback on this it would be beneficial for BU, Massachusetts, ESC and the AF.
- If this group remains under the AF at Monmouth, I would be less alarmed. I would hate to see the AF out of this promising technical area--this is a jewel in the AF's technology crown.

## ROME LABORATORY, NEW YORK

**Recommendation:** Close Rome Laboratory, Rome, New York. Rome Laboratory activities will relocate to Fort Monmouth, New Jersey, and Hanscom AFB, Massachusetts. Specifically, the Photonics, Electromagnetic & Reliability (except Test Site O&M operations), Computer Systems, Radio Communications and Communications Network activities, with their share of the Rome Lab staff activities, will relocate to Fort Monmouth. The Surveillance, Intelligence & Reconnaissance Software Technology, Advanced C2 Concepts, and Space Communications activities, with their share of the Rome Laboratory staff activities, will relocate to Hanscom AFB. The Test Site (e.g., Stockbridge and Newport) O&M operations will remain at its present location but will report to Hanscom AFB.

**Justification:** The Air Force has more laboratory capacity than necessary to support current and projected Air Force research requirements. The Laboratory Joint Cross-Service Group analysis recommended the Air Force consider the closure of Rome Laboratory. Collocation of part of the Rome Laboratory with the Army's Communications Electronics Research Development Evaluation Command (CERDEC) at Fort Monmouth will reduce excess laboratory capacity and increase inter-Service cooperation and common C3 research. In addition, Fort Monmouth's location near unique civilian research activities offers potential for shared research activities. Those activities relocated to Hanscom AFB will strengthen Air Force C3I RDT&E activities by collocating common research efforts. This action will result in substantial savings and furthers the DoD goal of cross-Service utilization of common support assets.

**Return on Investment:** The total estimated one-time cost to implement this recommendation is \$52.8 million. The net of all costs and savings during the implementation period is a cost of \$15.1 million. Annual recurring savings after implementation are \$11.5 million with a return on investment expected in four years. The net present value of the costs and savings over 20 years is a savings of \$98.4 million.

**Impact:** Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 2,345 jobs (1,067 direct jobs and 1,278 indirect jobs) over the 1996-to-2001 period in the Utica-Rome, New York Metropolitan Statistical Area, which is 1.5 percent of the economic area's employment. The cumulative economic impact of all BRAC 95 recommendations and all prior-round BRAC actions in the economic area over the 1994-to-2001 period could result in a maximum potential decrease equal to 6.2 percent of employment in the economic area. Environmental impact from this action is minimal and ongoing restoration of Rome Laboratory and Griffiss AFB will continue.

# BRAC BASE INFO SHEET

## ROME LABORATORY, NEW YORK

**COMMAND:** AFMC

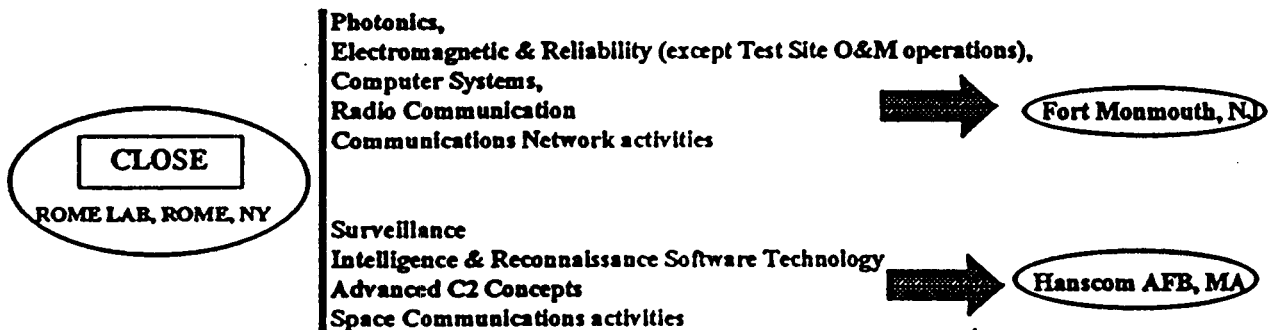
**MAIN MISSION:** Product Center & Laboratory

**AIRCRAFT:** None

**ACTION TAKEN:** Close Rome Laboratory

- The Photonics, Electromagnetic & Reliability (except Test Site O&M operations), Computer Systems, Radio Communication and Communications Network activities, with their share of the Rome Lab staff activities, will relocate to Fort Monmouth.
- The Surveillance, Intelligence & Reconnaissance Software Technology, Advanced C2 Concepts, and Space Communications activities, with their share of the Rome Laboratory staff activities, will relocate to Hanscom AFB.

**FORCE STRUCTURE DISTRIBUTION:**



**RATIONALE:**

- The Air Force has more laboratory capacity than necessary.
- Laboratory Joint Cross-Service Group analysis recommended the Air Force consider the closure of Rome Laboratory.
- Collocating part of the Rome Laboratory with the Army's Communications Electronics Research Development Evaluation Command (CERDEC) at Fort Monmouth will increase inter-Service cooperation and common C3 research.
- Those activities relocated to Hanscom AFB will strengthen Air Force C3I RDT&E activities by collocating common research efforts.

**CRITERIA GRADES:**

IA (Ops)	IB (Lab)	II	III	IV	V	VI	VII	VIII
R	G-	G-	R+	134/112	100+	10,391 (8.2%)	Y+	Y+

**COBRA DATA:**

ONE-TIME COST	ANNUAL SAVINGS	20YR NET PRESENT VALUE	ROI IN YEARS	PERSONNEL SAVINGS
\$52.8 Million	\$11.5 Million	(\$98.4 M)	4	50

26 January 1995

Subject: Rome Laboratory Move to Hanscom and Ft Monmouth

1. Per direction from the SECAF on 26 Jan 95, I have investigated potential workload moves between Ft Monmouth and Hanscom, in an attempt to retain only those technologies absolutely critical to the Air Force. Based on that direction, I believe that both the Electromagnetic & Reliability and the C3 directorates can move to Ft Monmouth, excepting some particular projects.
2. Based on my personal judgment, expertise, and familiarity with the Air Force C4I mission, Hanscom, and Rome Lab, I have adjusted the personnel numbers moving within each of the four Rome Lab directorates. In particular, I have recommended the estimated 20 people who carry out site maintenance and the estimated 40 people who work CTAPS and MILSTAR move to Hanscom. Additionally, the estimated 55 people who perform photonics work (even though they are not in one of the directorates cited above) should move to Ft Monmouth.
3. These adjustments are not precise, but I lack an effective means to gather and certify the data at the field and MAJCOM level in the time allotted for this exercise. A site survey team can identify the exact moves at a later date. The COBRA run associated with these numbers is therefore also approximate, but certainly suitable for its intended use.
4. I certify the attached spreadsheets are true and accurate to the best of my knowledge and belief.



MATT MLEZIVA, SES  
Air Force Lab Functional Chief

Atch  
Updated Rome Lab Moves



Rome Lab-Griffis Manpower Calculations (assuming ~50/50 directorate split)

	83	26	757	866	PE Worksheets received 1/20/94
<b>Current Mission Workload</b>					
Organizational Breakout					
Surveillance	15	1	121	137	PE Worksheet received 1/20/94
Intell/Recon	21	10	118	149	
C3	23	0	152	175	
Electro and Rel	6	1	112	119	Include Comm systems Directorate
Directorate Sub-total	65	12	503	580	
<b>Puts and Takes (Bold--Total)</b>					
Surveillance	15	1	174	190	PE Worksheet received 1/20/94
Add CTAPS and MILSTAR			40		MFR, Mieziva, 1/26/96
Add Software Mgt			48		Per AF/ICV, 2/2/94
Take out Photonics			-55		MFR, Mieziva, 1/26/96
Add personnel to run sites			20		MFR, Mieziva, 1/26/96
Intell/Recon	21	10	118	149	
C3	23	0	64	87	
Take out Software Mgt			-48		Per AF/ICV, 2/2/94
Take out CTAPS and MILSTAR			-40		MFR, Mieziva, 1/26/96
Electro and Rel	6	1	147	154	Include Comm systems Directorate
Add Photonics Work			55		MFR, Mieziva, 1/26/96
Take out personnel to run sites			-20		
Directorate Sub-Total	65	12	503	580	
All Others	18	14	254	286	Includes BOS tail, functionals
Extra needed to match Screen 4	1	20	29	50	
<b>Total</b>	84	46	786	916	
<b>Distribution of "All Others" to Directorates</b>					
Surveillance	19	3	271	293	Based on current % of total population
Intell/Recon	27	38	184	249	
C3	31	2	102	135	Put round ups into C3 directorate
Electro and Rel	7	3	229	239	
<b>New Directorate Total</b>	84	46	786	916	

	83	26	757	866	PE Worksheets received 1/20/94
Adjusted Baseline (97/4)	10	0	923	933	PE Worksheet, dated 12/15/94
Hanscom Consolidation Savings	0	0	-22	-22	Based on 4%, taken against civ out of population
Closure Savings	0	0	-28	-28	PE Worksheet, 12/15/94
Force Structure Change	-74	-46	137	17	COBRA Assumption
<b>Final Delta to Apply</b>	-74	-46	87	-33	

	83	26	757	866	PE Worksheets received 1/20/94
<b>After Force Structure Change</b>					
Surveillance	2	0	300	302	
Intell/Recon	3	0	204	207	
C3	5	0	115	120	Round-off of 3 added to C3
Electro and Rel	0	0	254	254	

New Directorate Total	10	0	873	883
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### Rome Lab Distributed Space Calculations

Requirement	Personnel	Space	Power	Water	Heat	Light	Other	Notes
Requirement	881	95000	28800	52800	3680	23200	20800	CE Estimate - 1/20/95
Directorate Breakdown								
Surveillance	302	32,492	9,850	18,058	1,259	7,935	7,114	Assume distribution of space follows the distribution of personnel
Intell/Recon	207	22,271	6,752	12,378	863	5,439	4,876	
C3	120	12,911	3,914	7,176	500	3,153	2,827	
Electro and Rel	254	27,327	8,284	15,188	1,059	6,674	5,983	
Totals	883	95000	28800	52800	3680	23200	20800	Total space
Total to Hanscom	509	54,762	16,602	30,436	2,121	13,373	11,990	129,285
Total to Ft Monmouth	374	40,238	12,198	22,364	1,559	9,827	8,810	94,995

Assumptions: Both C3 and Electro/Reliability moves to Ft Monmouth  
 BOS and functional tails move with directorates to both Hanscom and Ft Monmouth

Option Rome Lab to Hanscom and Ft Monmouth, NJ							
2/4/95 16:24							
Control Number							
COBRA file name	RL-HM42.CBR						
Manpower	Officers	Enlisted	Civilians	Total	Source Data		
Current Force Structure	84	46	786	916	Screen 4 Data -- 4/94		
Adjusted Base Line	10	0	923	933	PE Data -- 12/15/94		
Force Structure Change	-74	-46	137	0			
Move Two Directorates (approx) to Ft Monmouth	5	0	369	374	RomeManpower Spreadsheet		
Move Two Directorates (approx) to Hanscom	5	0	504	509	RomeManpower Spreadsheet		
Total Positions to Move	10	0	873	883	Modified PE Data -- 12/15/95		
Positions Eliminated	0	0	50	50	Assume 4% consolidation savings from lab overhead to Hanscom (plus BOS)		
Total Moves/Eliminations	10	0	923	933	(Per Mleziva)		
Force Structure Change	-74	-46	137		COBRA Assumption: all force structure changes by 97		
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	Total
Manpower by Year	0%	15%	20%	65%	0%	0%	100%
Officers to Move to Monmouth	5	0	0	1	4	0	5
Enlisted to Move to Monmouth	0	0	0	0	0	0	0
Civilians to Move to Monmouth	369	0	55	73	241	0	369
Officers to Move to Hanscom	5	0	0	1	4	0	5
Enlisted to Move to Hascom	0	0	0	0	0	0	0
Civilians to Move to Hanscom	504	0	75	100	329	0	504
New phasing IAW with earlier runs							
One Time Unique Costs (\$K)		Area Wage	21				Source Data
Civilian Leave	\$597	\$0	\$89	\$119	\$389	\$0	\$597
Upgrade facilities	\$592	\$0	\$88	\$118	\$386	\$0	\$592
Total one-time unique costs	\$1,189	\$0	\$177	\$237	\$775	\$0	\$1,189
One-Time Moving Costs (\$K)							
Equipment movement	\$6,823	\$0	\$1,023	\$1,364	\$4,436	\$0	\$6,823
							Per AFMC fax, 1/4/95 (independent of where it goes)
MILCON	Sqft	Cost/sqft	Total				
Hanscom MILCON				Per CE Cost Estimate 2/3/95 -- based on site survey			
Total Hanscom MILCON	0		\$15,580				
Ft Monmouth MILCON							
Total Ft Monmouth MILCON	0		\$6,270	Per CE Cost Estimate 2/3/95 -- based on site survey			
Note -- Does not include cost of any Rome satellites closing							

BRAC Milcon Estimate Worksheet to Move Rome Lab to Hanscom (AF-09)

Gaining Base: Hanscom

Option: 400

Drill: 1

Date: 02-03-1995

Sheet 1 of 1 for Scenario: ROM36201c Rome Lab to Hanscom (AF-09)

CATEGORIES	Titles	Questionnaire Identified Excess Scope	Program'd SCOPE	U/M	6% SIOH (\$K)	TOTAL (\$M)
<b>Other Require</b>						
610-123	AF PLANT ADMINISTRATION OF	64000	0	SF	0.00	0.00
310-924	Light Lab	0	0	SF	0.00	0.00
312-477	MEDIUM LAB	0	12065	SF	227.25	4.01
310-911	HEAVY LAB	0	1485	SF	61.17	1.08
610-000	LIGHT SCIF	0	8393	SF	99.31	1.75
131-132	HEAVY SCIF	0	9361	SF	249.19	4.40
935-000	OTHER	0	378	EA	99.06	1.75
000-000		0	0		0.00	0.00
000-000		0	0		0.00	0.00
000-000		0	0		0.00	0.00
						12.99
					<b>Milcon:</b>	12.99
					<b>BOS</b>	1.30
					<b>Subtotal</b>	14.29
<b>Military Family</b>						
710-000	FAMILY HOUSING	-253	0	UN	0.00	0.00
						0.00
					<b>Subtotal</b>	14.29
					<b>Planning</b>	1.29
					<b>TOTAL</b>	15.58

## Notes for Worksheet 1 of 1 for Scenario: ROM36201c Rome Lab to Hanscom (AF-09)

610-123: Cost based on AFMC/XP/CE site survey. Original: renovate facilities 1607 (46,700 SF) and 1605 (7,000 SF) at 70% of new construction costs. No renovations required for Facilities 1302F (28,000 SF) and 1302FA (13,300 SF). Phillips Lab space available = 64,000, therefore, NO scope provided. Total to Hanscom is 54,762 SF. Total admin rqmt = 95,000 SF.

310-924: Cost based on AFMC/XP/CE site survey. Original cost based on renovation of facilities 1102D (12,300 SF) and 1607 (16,500 SF). Used 70% of new construction costs. Phillips Lab has 100,000 SF available for light lab, therefore no renovation required. Total Light Lab requirement = 28,800 SF. Total to Hanscom is 16,602 SF.

312-477: Cost based on AFMC/XP/CE site survey. Cost based on renovation of facility 1614 (30,436 SF) - space available from PL (13,200 SF). Use 70% of new construction cost = 17,236 SF. Adjust program amount to 12,065 SF. Total Medium Lab requirement = 52,800 SF.

310-911: Cost based on AFMC/XP/CE site survey. Cost based on renovation of facility 1614 (2,121 SF). Use 70% of new construction cost. Adjust program amount 1,485 SF. Total Heavy Lab requirement = 3,680 SF.

610-000: Cost based on AFMC/XP/CE site survey. Cost based on renovation of facility 1614 & 1st floor 1302F (11,990 SF). Use 70% of new construction cost. Adjust program amount 8,393 SF. Total Light SCIF requirement = 11,990 SF.

131-132: Cost based on AFMC/XP/CE site survey. Cost based on renovation of facility 1614 (13,373 SF). Use 70% of new construction cost. Adjust program amount 9,361 SF.

935-000: Total rqmt is 656 units. Hanscom rqmt is 378 units.

**BRAC '95 MILCON ESTIMATE**

Gaining Base: Fort Monmouth  
 Option: 400  
 Drill: 1  
 Date: 1/19/96

Scenario: Rome Lab from Griffiss to Fort Monmouth

Maj Gary Fellows  
 HQ USAF/CEPP  
 DSN: 227-2434  
 MON01901

Cat Codes	Titles	Deter'g Unit	Sq Ratio	# of Unit	Unit Factor	SR for InB Acft Rome Lab	Current Capacity	Excess Scope	Prog'd Scope	UM	Total (\$M)	Remarks
610-123	AF PLANT ADMINISTRATION OFFICE			0					40238 SF		1.16	Space available in Meyer Center. Army engineers provided unit cost. Added 5% support, 10% cont, 6% SIOH, 5% BOS and 9% planning.
310-924	Light Lab			0					12198 SF		0.41	Space available in Meyer Center. Army engineers provided unit cost. Added 5% support, 10% cont, 6% SIOH, 5% BOS and 9% planning.
312-477	MEDIUM LAB			0					22234 SF		1.32	Space available in Meyer Center. Army engineers provided unit cost. Added 5% support, 10% cont, 6% SIOH, 5% BOS and 9% planning.
310-911	HEAVY LAB			0					1559 SF		0.2	Space available in Meyer Center. Army engineers provided unit cost. Added 5% support, 10% cont, 6% SIOH, 5% BOS and 9% planning.
610-000	LIGHT SCIF			0					8810 SF		0.26	Space available in Meyer Center. Army engineers provided unit cost. Added 5% support, 10% cont, 6% SIOH, 5% BOS and 9% planning.
131-132	HEAVY SCIF			0					9827 SF		0.79	Space available in Meyer Center. Army engineers provided unit cost. Added 5% support, 10% cont, 6% SIOH, 5% BOS and 9% planning.
935-000	OTHER			0					278 EA		1.32	Army engineers did not include systems furniture in their estimate. Existing furniture is used and mismatched. AFMC included system furniture in the Rome to Hanscom estimate. Include here also.
Dorms									94995		5.48	
721-312	DORMITORY			0					0 SF		0	
E1-E4				0					0		0	
E5-E7				0					0		0	
Requirement Dining Halls				0	PN				0 SF		0	
722-351	AIRMEN DINING HALL (DETACHED)			0					0 SF		0	
											5.48	Milcon:
											0.27	BOS

Cat Codes	Titles	Deter'g Unit	Sq Ratio	# of Unit	Unit Factor	SR for InB Act Rome Lab	Current Capacity	Excess Scope	Prog'd Scope	UM	Total (\$M)	Remarks
											Subtotal	5.75
Military Family Housing 710-000	FAMILY HOUSING	BRAC:		Ofr 10	Amn 0		7			0 UN		0
		Adjstmnt Finat#		0 10	0 0							0
											Subtotal	5.75
											Planning	0.52
											TOTAL	6.27
											Total SF:	94,995 SF

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**SECTION THREE**  
**COBRA VERSION 5.08**  
**ALGORITHM DESCRIPTIONS**



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## BOS Costs, Savings, and Net Costs [Overhead]

The Net BOS Cost for an installation is the difference between the installation's Revised BOS Cost and Actual BOS Cost.

The Actual BOS Cost is the Cost of BOS to the installation without BRAC action. This is equal to the sum of the Communications Costs and BOS Non-Payroll Costs from input screen 4, multiplied by the percentage change in population in each year due to Force Structure Changes.

The Revised BOS Cost is the Cost of BOS in each year due to BRAC actions. This is equivalent to the percentage change in population due to all Scenario Position Changes and Positions Realigned both in and out of the installation raised to the power of the BOS Index; multiplied by the Actual BOS Cost. Note: Realigning personnel are counted in the population of both the gaining and losing sites during the year in which they move.

BOS Changes are savings if the installation is a net losing installation (total change in RPMA and BOS costs are less than zero). BOS Changes are costs in all other situations.

Beyond-Year BOS Costs, Savings, and Net are calculated in the same way, except that all moves are complete (so no personnel are double-counted).

### EQUATIONS:

$$\% \text{ FS Change} = \frac{\text{Starting Population} + \text{Force Structure Changes}}{\text{Starting Population}}$$

$$\text{BRAC Changes} = \text{Scenario Changes} + \text{Realign In} - \frac{1}{2}(\text{Realign Out})$$

$$\% \text{ BRAC Change} = \frac{\text{Starting Population} + \text{FS Changes} + \text{BRAC Changes}}{\text{Starting Population} + \text{FS Changes}}$$

$$\text{Actual BOS Cost} = (\text{Comm Cost} + \text{BOS Non-Pay Cost}) \times (\% \text{ FS Change})$$

$$\text{Revised BOS Cost} = (\text{Actual BOS Cost}) \times (\% \text{ BRAC Change})^{\text{BOS Index}}$$

$$\text{Net BOS Cost} = \text{Revised BOS Cost} - \text{Actual BOS Cost}$$

## Caretaker Costs [Overhead]

The Caretaker Costs for Unique installations (defined on Data Screen 4) are taken directly from Data Screen 8.

The Caretaker Costs for a non-Unique installation in a year is the sum of the Caretaker BOS Cost, Caretaker RPMA Cost, and Caretaker Salary Cost.

Caretaker BOS Cost is the total number of Caretakers (Civilian and Military Caretakers are entered on Screen 6, and a cumulative total is used in each year) raised to the power of the BOS Index (from Standard Factors Screen 2) multiplied by the sum of BOS Non-Payroll and Communications Costs (from Screen 4) multiplied by the percentage change in population due to Force Structure Changes divided by the Base Population after Force Structure Changes raised to the power of the BOS Index.

Caretaker RPMA Cost is the product of the total number of Caretakers multiplied by the Caretaker Admin Space Needs (Standard Factors Screen 2), raised to the power of the RPMA Index (Standard Factors Screen 2), times the RPMA Non-Payroll Budget (Screen 4) divided by Total Facilities (Screen 4) to the power of the RPMA Index.

Caretaker Salary Cost is the number of Civilian Caretakers times Civilian Salary plus the number of Military Caretakers times Enlisted Salary (Salaries on Standard Factors Screen 1). Note that Military Caretakers are assumed to be enlisted personnel.

## EQUATIONS

Caretaker Costs (Unique) = [Entered on Screen 8]

Caretaker Costs (Non-Unique) = Caretaker BOS + RPMA + Salary

Caretaker BOS =  $\frac{(\text{BOS Non-Payroll} + \text{Communication}) * (\% \text{ FSR})}{(\text{Post-FSR Population})^{\text{BOS Index}}}$

\*  $(\text{Civ} + \text{Mil Caretakers})^{\text{BOS Index}}$

Caretaker RPMA =  $\frac{(\text{RPMA Non-Payroll})}{(\text{Base Facilities})^{\text{RPMA Index}}}$

\*  $((\text{Civ} + \text{Mil Caretakers}) * (\text{Caretaker Admin}))^{\text{RPMA Index}}$

Caretaker Salary =  $(\text{Civ Caretakers} * \text{Civ Salary}) + (\text{Mil Caretakers} * \text{Enl Salary})$

$\% \text{ FSR} = \frac{(\text{Post-FSR Population})}{(\text{Starting Base Population})}$

Post-FSR Population = Starting Base Population - All FSR's

Starting Base Population = Total Off + Enl + Civ + Stu (Screen 4)

## CHAMPUS Costs, Savings, and Net Costs [Other]

CHAMPUS Costs for an installation is the sum of the absolute value of the In-Patient Costs (when In-Patient Costs are less than zero) plus the absolute value of the Out-Patient Costs (when Out-Patient Costs are less than zero).

CHAMPUS Savings for an installation is the sum of the In-Patient Costs (when In-Patient Costs are greater than zero) plus the Out-Patient Costs (when Out-Patient Costs are greater than zero).

In-Patient Costs is the product of the In-Patient Visits (from Screen 5) times the In-Patient Cost/Visit (from Screen 4) times one minus the CHAMPUS Shift to Medicare (from Screen 4).

Out-Patient Costs is the product of the Out-Patient Visits (from Screen 5) times the Out-Patient Cost/Visit (from Screen 4) times one minus the CHAMPUS Shift to Medicare (from Screen 4).

CHAMPUS Net Costs are the CHAMPUS Costs minus the CHAMPUS Savings.

Note that the year 6 CHAMPUS Costs, Savings, and Net Costs recur into the Beyond years.

### EQUATIONS:

$$\text{In-Patient Costs} = \text{In-Patient Visits} * \text{In-Patient Cost} \\ * (1 - \text{CHAMPUS Shift to Medicare})$$

$$\text{Out Patient Costs} = \text{Out-Patient Visits} * \text{Out-Patient Cost} \\ * (1 - \text{CHAMPUS Shift to Medicare})$$

$$\text{CHAMPUS Costs} = [\text{In-Patient Costs}] (\text{If In-Patient Costs} < 0) \\ + [\text{Out-Patient Costs}] (\text{If Out-Patient Costs} < 0)$$

$$\text{CHAMPUS Savings} = \text{In-Patient Costs} (\text{If In-Patient Costs} > 0) \\ + \text{Out-Patient Costs} (\text{If Out-Patient Costs} > 0)$$

$$\text{CHAMPUS Net Costs} = \text{CHAMPUS Costs} - \text{CHAMPUS Savings}$$

### Civilian Household Goods Cost [Moving]

The Civilian Household Goods Cost for an installation is the sum of the Civilian HHG Cost times the HHG Cost Per Pound.

Civilian HHG Cost is Total Civilian Personnel Moved at least 50 Miles (Distances between bases is entered on Screen 2) times the HHG Weight Per Civilian (from Standard Factors Screen 3).

HHG Cost Per Pound is the HHG Cost from Standard Factors Screen 3 plus the product of the Receiving Base's Freight Cost (on Screen 4) divided by 2000 times the Distance Between Bases.

### EQUATIONS

Civilian Household Goods Cost = Civilian HHG \* HHG Cost Per Pound

Civilian HHG = (Civilians Moving at least 50 Miles)  
\* HHG Per Civilian

HHG Cost Per Pound = HHG Cost + (Freight Cost / 2000 \* Distance)

### Civilian House Hunting Cost [Moving]

The Civilian House Hunting Cost for an installation is the Total Civilian Personnel Moved at Least 50 Miles (Distances between bases is entered on Screen 2) times the sum of the House Hunting Travel Cost and the House Hunting Per Diem Cost.

The House Hunting Travel Cost is the Distance Between Bases times the Air Transportation Per Passenger Mile (Standard Factors Screen 3) times four (algorithm assumes two people taking two trips).

The House Hunting Per Diem Cost is the Gaining Base's Per Diem Rate (Screen 4) times 1.75 times 10 (algorithm assumes ten days spent looking).

### EQUATIONS

House Hunt = (Civ Moved >= 50 Miles) \* (Travel + Per Diem)

Travel = Distance \* (Air Transport) \* 4

Per Diem = (Gainer's Per Diem Rate) \* 17.5

## Civilian House Purchasing Cost [Moving]

The Civilian House Purchasing Cost for an installation is the Total Civilian Personnel Moved at Least 50 Miles (Distances between bases is entered on Screen 2) times the Civilian Home Ownership Rate (from Standard Factors Screen 1) times the sum of House Purchase Factor One and House Purchase Factor 2.

House Purchase Factor One is either the product of the National Median Home Price times the Home Sale Reimbursement Rate (both from Standard Factors Screen 1) times the Losing Base's Area Cost Factor (Screen 4), or the Home Sale Maximum Reimbursement (Standard Factors Screen 1), whichever is lesser. This number is then multiplied by either one minus the HAP Receiver Rate (if HAP is specified for the losing base) or one minus the RSE Receiver Rate (if HAP not specified). HAP is specified for a base on Screen 4; HAP and RSE Receiver Rates are entered on Standard Factors Screen 1.

House Purchase Factor Two is either the product of the National Median Home Price times the Home Purchase Reimbursement Rate (Standard Factors Screen 1) times the Gaining Base's Area Cost Factor, or the Home Purchase Maximum Reimbursement (Standard Factors Screen 1), whichever is lesser.

## EQUATIONS

Civilian House Purchasing Cost = (Civs Moving  $\geq$  50 miles)  
\* Civ Homeowner Rate \* (Factor1 + Factor2)

Factor1 = (Nat Avg Home Price) \* (Home Sale Reimburse Rate)  
\* (Loser's Area Cost Factor)

OR (Maximum Home Sale Reimburse) [whichever is lesser]

Factor1 = Factor1 \* (1 - HAP Receiver Rate) [if loser has HAP] OR

Factor1 = Factor1 \* (1 - RSE Receiver Rate) [if loser doesn't]

Factor2 = (Nat Avg Home Price) \* (Home Purchase Reimburse Rate)  
\* (Gainer's Area Cost Factor)

OR (Maximum Home Purchase Reimburse) [whichever is lesser]

## Civilian Miscellaneous Moving Cost [Moving]

The Civilian Miscellaneous Moving Cost for an installation is the Total Civilian Personnel Moved to a destination at least 50 miles away (Distances Between Bases on Screen 2) times the Miscellaneous Expenditure Per Direct Employee Rate on Standard Factors Table 3.

**Civilian Net Moving Cost [Moving]**

The Civilian Net Moving Cost for an installation is the sum of Civilian Per Diem Cost, Civilian Personally Owned Vehicle Mileage Cost, Civilian House Purchasing Cost, Civilian Household Goods Cost, Civilian Miscellaneous Moving Cost, Civilian House Hunting Cost, Civilian Priority Placement Service Cost, Civilian RITA Cost, Packing/Unpacking Costs, Freight Shipping Costs, Vehicle Shipping Costs, and Vehicle Driving Costs (all described elsewhere).

**Civilian New Hire Costs [Personnel]**

The Civilian New Hire Costs for an installation is the Total Civilian Hires in a year times the Civilian New Hire Cost from Standard Factors Table One.

**Civilian Per Diem Cost [Moving]**

The Civilian Per Diem Cost for an installation is the Total Civilian Personnel Moved to a destination at least 50 miles away (Distances between bases is entered on Screen 2) times the receiving base's Per Diem Rate (Screen 4) times the Distance travelled divided by 350. Since distances and receiving base Per Diem Rates vary, Civilian Per Diem Cost is calculated separately for each receiving base, then added together.

**Civilian Personally Owned Vehicle Mileage Cost [Moving]**

The Civilian Personally Owned Vehicle Mileage Cost for an installation is the Total Civilian Personnel Moved to a destination at least 50 miles away (Distances between bases is entered on Screen 2) times the POV Reimbursement Rate on Standard Factors Table 3 times the Distance travelled. Since distances vary, Civilian Personally Owned Vehicle Mileage Cost is calculated separately for each receiving base, then added together.

**Civilian Priority Placement Service Cost [Moving]**

The Civilian Priority Placement Service Cost for an installation is the Total Civilian Priority Placements in a year times the PPS Involving PCS Rate (Standard Factors Screen 1), rounded off, times the Civilian PCS Cost (Standard Factors Screen 1).

**EQUATION**

Civ PPS Cost = Round (Civ PPS \* PPS Involve PCS) \* Civ PCS Cost

### Civilian Retirement Costs [Personnel]

The Civilian Retirement Costs for an installation is the Total Civilian Early Retirements in a year times the Average Civilian Salary times the Civilian Retirement Pay Factor (both values from Standard Factors Table One).

### Civilian Retirement/RIF Net Costs [Personnel]

The Civilian Retirement/RIF Net Costs for an installation is the sum of the Civilian Retirement Costs and the Civilian RIF Costs (described elsewhere).

### Civilian RIF Costs [Personnel]

The Civilian RIF Costs for an installation is the Total Civilian RIFs in a year times the Average Civilian Salary times the Civilian RIF Pay Factor (both values from Standard Factors Table One).

### Civilian RITA Cost [Moving]

The Civilian RITA Cost for an installation is twenty-eight percent of the sum of the installation's Civilian Per Diem Cost, Civilian Personally Owned Vehicle Mileage Cost, Civilian House Purchasing Cost, Civilian Miscellaneous Moving Cost, and Civilian House Hunting Cost (all are described elsewhere; except that an increased value of Civilian Per Diem Cost is used for Civilian RITA Cost as described below).

Civilian Per Diem Cost (for RITA) is the Total Civilian Personnel Moved to a destination at least 50 miles away (Distances between bases is entered on Screen 2) times the receiving base's Per Diem Rate (Screen 4) times the sum of the Distance travelled divided by 350 and thirty.

### EQUATIONS

$RITA = 0.28 * (\text{Per Diem} + \text{POV} + \text{House Purch} + \text{Misc} + \text{House Hunt})$   
[all as described elsewhere, except Per Diem]

$\text{Per Diem} = (\text{Civs Moved} \geq 50 \text{ mi}) * (\text{Gainer's Per Diem})$   
\*  $(\text{Distance} / 350 + 30)$



### Civilian Salary Costs [Personnel]

The Civilian Salary Costs for an installation in a year is one-half of the Civilian Sal Costs for that year, plus the full Civilian Sal Costs of all previous years.

Civ Salary Costs in a year are the number of Civilians Positions Added in that year (Civilian Scenario Position Changes from Screen 6, when Civilian Scenario Position Changes is greater than zero) times the Average Civilian Salary from Standard Factors Table One).

Beyond-Year Civilian Salary Costs is the sum of all full Civilian Sal Costs for all six years.

### EQUATIONS:

Civilians Added = Civilian Scenario Position Changes  
(When Civilian Scenario Position Changes > 0)

Civilian Sal Costs = Civilians Added  
\* Average Civilian Salary

Civilian Salary Costs =  
 $\frac{1}{2}$  (Current Year Civilian Sal Costs)  
+  $\Sigma$  (Previous Years' Civilian Sal Costs)

### Civilian Salary Net Costs [Personnel]

The Civilian Salary Net Cost is equivalent to the Civilian Salary Cost minus the Civilian Salary Savings (described elsewhere).

### Civilian Salary Savings [Personnel]

The Civilian Salary Savings for an installation in a year is one-half of the Civilian Sal Savings for that year, plus the full Civilian Sal Savings of all previous years.

Civ Sal Savings in a year are the number of Civilians Eliminated in that year (the absolute value of Civilian Scenario Position Changes from Screen 6, when Civilian Scenario Position Changes is less than zero) times the Average Civilian Salary from Standard Factors Table One).

Beyond-Year Civilian Salary Savings is the sum of all full Civilian Sal Savings for all six years.

### EQUATIONS:

Civilians Eliminated = [Civilian Scenario Position Changes]  
(When Civilian Scenario Position Changes < 0)

Civilian Sal Savings = Civilians Eliminated  
\* Average Civilian Salary

Civilian Salary Savings =  
 $\frac{1}{2}$  (Current Year Civilian Sal Savings)  
+  $\Sigma$  (Previous Years' Civilian Sal Savings)

### Civilian Unemployment Costs [Personnel]

The Civilian Unemployment Costs for an installation is the Total Civilian RIFs in a year times the Average Unemployment Costs times the Unemployment Eligibility Period (both values from Standard Factors Table One).

## Delta BOS

The Delta BOS for each base is displayed as three values: Delta BOS Change, Delta BOS %Change, and Delta BOS Change per Person.

Delta BOS Change is equal to the Beyond-Years BOS Net Costs (see BOS Costs, Savings, and Net Costs) times the percentage change in population due to Force Structure Changes; this is the sum of the Starting Population (the sum of Total Officers on Base, Total Enlisted on Base, Total Students on Base, and Total Civilians on Base from Screen 4) and Officer Force Structure Changes, Enlisted Force Structure Changes, Students Force Structure Changes, and Civilian Force Structure Changes (from Screen 6) divided by the Starting Population.

Delta BOS %Change is equal to the Delta BOS Change divided by the sum of the BOS Non-Payroll Budget and Communications Budget (both on Screen 4) times the percentage change in population due to Force Structure Changes.

Delta BOS Change per Person is equal to the Delta BOS Change divided by the Delta Personnel Change.

## Delta Personnel

The Delta Personnel for each base is displayed as two values: Delta Personnel Change and Delta Personnel %Change.

Delta Personnel Change is the sum of all Officer, Enlisted, Civilian, and Student Positions Realigned In minus the sum of all Officer, Enlisted, Civilian, and Student Positions Realigned Out of the base (Personnel Realignments on Screen 3) plus the sum of all Officer, Enlisted, and Civilian Scenario Position Changes; Officer, Enlisted, and Civilian Scenario Position Changes (no Salary Savings); and Military and Civilian Caretakers (from Screen 6).

Delta Personnel %Change is equal to the Delta Personnel Change divided by the sum of Total Officers on Base, Total Enlisted on Base, Total Students on Base, Total Civilians on Base, (all on Screen 4), Officer Force Structure Changes, Enlisted Force Structure Changes, Students Force Structure Changes, and Civilian Force Structure Changes (all on Screen 6).

## Delta Square Footage

The Delta Square Footage for each base is displayed as three values: Delta Square Footage Change, Delta Square Footage %Change, and Delta Square Footage Change per Person.

Delta Square Footage Change is the sum of all New Construction fields on Screen 7 minus the Facilities Shut Down on Screen 5.

Delta Square Footage %Change is equal to the Delta Square Footage Change divided by the Total Facilities on Screen 4.

Delta Square Footage Change per Person is equal to the Delta Square Footage Change divided by the Delta Personnel Change.

## Delta RPMA

The Delta RPMA for each base is displayed as three values: Delta RPMA Change, Delta RPMA %Change, and Delta RPMA Change per Person.

Delta RPMA Change is equal to the Beyond-Years RPMA Net Costs (see RPMA Costs, Savings, and Net Costs).

Delta RPMA %Change is equal to the Delta RPMA Change divided by the RPMA Non-Payroll Budget on Screen 4.

Delta RPMA Change per Person is equal to the Delta RPMA Change divided by the Delta Personnel Change.

## Delta RPMABOS

The Delta RPMABOS for each base is displayed as three values: Delta RPMABOS Change, Delta RPMABOS %Change, and Delta RPMABOS Change per Person.

Delta RPMABOS Change is equal to the sum of Delta RPMA Change and Delta BOS Change (see above).

Delta RPMABOS %Change is equal to the Delta RPMABOS Change divided by the sum of the BOS Non-Payroll Budget and Communications Budget times the percentage change in population due to Force Structure Changes plus the RPMA Non-Payroll Budget (budgets on Screen 4). Percentage change in population due to Force Structure Changes is the sum of the Starting Population (the sum of Total Officers on Base, Total Enlisted on Base, Total Students on Base, and Total Civilians on Base from Screen 4) and Officer Force Structure Changes, Enlisted Force Structure Changes, Students Force Structure Changes, and Civilian Force Structure Changes (from Screen 6) divided by the Starting Population.

Delta RPMABOS Change per Person is equal to the Delta RPMABOS Change divided by the Delta Personnel Change (see above).

### Enlisted Salary Costs [Personnel]

The Enlisted Salary Costs for an installation in a year is one-half of the Enlisted Sal Costs for that year, plus the full Enlisted Sal Costs of all previous years.

Enlisted Sal Costs in a year are the number of Enlisted Added in that year (Enlisted Scenario Position Changes from Screen 6, when Enlisted Scenario Position Changes is greater than zero) times the Average Enlisted Salary from Standard Factors Table One).

Beyond-Year Enlisted Salary Costs is the sum of all full Enlisted Sal Costs for all six years.

#### EQUATIONS:

Enlisted Added = Enlisted Scenario Position Changes  
(When Enlisted Scenario Position Changes > 0)

Enlisted Sal Costs = Enlisted Added \* Average Enlisted Salary

Enlisted Salary Costs =  
 $\frac{1}{2}$  (Current Year Enlisted Sal Costs)  
+  $\Sigma$  (Previous Years' Enlisted Sal Costs)

### Enlisted Salary Savings [Personnel]

The Enlisted Salary Savings for an installation in a year is one-half of the Enlisted Sal Savings for that year, plus the full Enlisted Sal Savings of all previous years.

Enlisted Sal Savings in a year are the number of Enlisted Eliminated in that year (the absolute value of Enlisted Scenario Position Changes from Screen 6, when Enlisted Scenario Position Changes is less than zero) times the Average Enlisted Salary from Standard Factors Table One).

Beyond-Year Enlisted Salary Savings is the sum of all full Enlisted Sal Savings for all six years.

#### EQUATIONS:

Enlisted Eliminated = [Enlisted Scenario Position Changes]  
(When Enlisted Scenario Position Changes < 0)

Enlisted Sal Savings = Enlisted Eliminated \* Average Enlisted Salary

Enlisted Salary Savings =  
 $\frac{1}{2}$  (Current Year Enlisted Sal Savings)  
+  $\Sigma$  (Previous Years' Enlisted Sal Savings)

### Environmental Costs [Other]

Environmental Costs are the Environmental Non-Milcon Required values from Screen 5, when Environmental Non-Milcon Required is greater than zero.

### Environmental Net Costs [Other]

Environmental Net Costs are the Environmental Costs minus the Environmental Savings.

### Environmental Savings [Other]

Environmental Savings are the absolute value of Environmental Non-Milcon Required values from Screen 5, when Environmental Non-Milcon Required is less than zero.

### Family Housing Construction Costs [MilCon]

The Family Housing Construction Costs for an installation are the sum of the MilCon Project Costs for each Family Quarters project entered on screen 7.

MilCon Project Costs are calculated in two ways, depending upon whether or not the user entered a value in the Total Cost field on Screen 7.

If the user entered the Total Cost, then the MilCon Project Cost in a year is equal to the Total Cost divided by the MilCon Design Mark-Up times the Military Construction Time-Phasing for that year. An additional Milcon Design Cost is added in year one, consisting of the Total Cost times the Design Rate (from Standard Factors Screen 2) divided by the MilCon Design Mark-Up.

If the user did not enter a Total Cost, then the MilCon Project Cost is equal to the sum of the New MilCon Cost and the Rehab MilCon Cost times the Military Construction Time-Phasing for that year times the MilCon Mark-Up. An additional Milcon Design Cost is added in year one, consisting of the sum of the New MilCon Cost and the Rehab MilCon Cost times the Design Rate (from Standard Factors Screen 2) times the MilCon Mark-Up.

New MilCon Cost is equal to the New MilCon entered on Screen 7 times the Cost Per Unit Measure for that Project's Category (Cost Per Unit Measure on Standard Factors Screen 4, Project Category on Screen 7) times the Area Cost Factor on Screen 4. Rehab MilCon Cost is equal to the Rehab MilCon entered on Screen 7 times the Cost Per Unit Measure for that Project's Category times the Area Cost Factor on Screen 4 times the Rehab vs. New Construction Rate on Standard Factors Screen 4.

Milcon Mark-Up is equal to one plus the Site Preparation Rate plus the Supervision, Inspection, and Overhead Rate plus the Contingency Planning Rate. MilCon design Mark-Up is equal to one plus the Design Rate (all on Standard Factors Screen 2).

## EQUATIONS

Family Housing Construction Costs =  $\Sigma$  MilCon Project Costs  
[only Family Quarters projects]

When Total Cost > 0

MilCon Project Cost =  $\frac{\text{Total Cost} * \text{Time-Phase} + \text{Design}}{\text{Design Mark-Up}}$

Design [Year 1 only] =  $\frac{\text{Total Cost} * \text{Design Rate}}{\text{Design Mark-Up}}$

When Total Cost=0

MilCon Project Cost = (New MilCon Cost + Rehab MilCon Cost)  
\* Time-Phase \* Mark-Up + Design

Design [Year 1 only] = (New MilCon Cost + Rehab MilCon Cost)  
\* Design Rate \* Mark-Up

New MilCon Cost = New MilCon \* Cost Per UM \* Area Cost Factor

Rehab MilCon Cost = Rehab MilCon \* Cost Per UM \* Area Cost Factor  
\* (Rehab vs. New MilCon Rate)

Mark-Up = 1 + (Site Prep Rate) + (SIOH Rate) + (Contingency Rate)

Design Mark-up = 1 + (Design Rate)

**Family Housing Construction Net Costs [MilCon]**

The Family Housing Construction Net Costs for an installation are the Family Housing Construction Costs minus the Family Housing Construction Savings.

**Family Housing Construction Savings [MilCon]**

The Family Housing Construction Savings for an installation are the Family Housing Construction Avoidances entered on Screen 5.

## Family Housing Operations Costs [Overhead]

The Family Housing Operations Cost for an installation is the equal to the Family Housing Budget (on Screen 4) times the Percentage Increase in Family Housing, which is the New Family Quarters Built divided by the Base Family Housing.

The New Family Housing in a year is the total of all Family Housing New Construction and Rehab Construction entered on Screen 7 (if projects are entered in square feet, they are divided by Average Family Quarters Size on Standard Factors Screen 2 to convert to 'eaches') times the Military Construction Half-Year Time-Phasing for that base in that year.

The Base Family Housing is the number of family quarters on the base at the beginning of the scenario. This is the Total Officers on Base (Screen 4) times the Percentage of Officers Married (Standard Factors Screen 1) times the Percentage of Families Living On Base (Screen 4) plus the Total Enlisted Personnel on Base (Screen 4) times the Percentage of Enlisted Personnel Married (Standard Factors Screen 1) times the Percentage of Families Living On Base plus the Officers Quarters Vacant plus the Enlisted Quarters Vacant (Both on Screen 4).

For the beyond years, the algorithm is the same except that all construction is finished (no need to time-phase).

## EQUATIONS

$$\text{Fam Hous Ops Cost} = \text{Fam Hous Budget} * \frac{\text{New Fam Quarters Built}}{\text{Base Fam Housing}}$$

$$\text{New Fam Qtrs Built} = (\text{Total Fam Qtrs Built}) * (\text{MilCon Half-Year Time Phase})$$

$$\begin{aligned} \text{Base Fam Housing} = & \\ & ((\text{Total Off}) * (\% \text{ Off Married}) * (\% \text{ Fam On Base})) + \\ & ((\text{Total Enl}) * (\% \text{ Enl Married}) * (\% \text{ Fam On Base})) + \\ & \text{Officer Qtrs Vacant} + \text{Enlisted Quarters Vacant} \end{aligned}$$

## Family Housing Operations Net Costs [Overhead]

The Family Housing Operations Net Costs for an installation are the Family Housing Operations Costs minus the Family Housing Operations Savings.



## Family Housing Operations Savings [Overhead]

The Family Housing Operations Savings for an installation is the equal to the Family Housing Budget (on Screen 4) times the Percentage of Family Housing Shut Down (on Screen 5) times the Shutdown Half Year Time-Phasing for that base in that year.

For the beyond years, the algorithm is the same except that all shutdown is finished (no need to time-phase).

## Freight Shipping Costs [Moving]

The Freight Shipping Costs for Unique installations (defined on Data Screen 4) are taken directly from Data Screen 8.

The Freight Shipping Cost for a non-Unique installation is the sum of the Material Cost, Equipment Cost, and Crating Cost for the installation.

The Material Cost is the total number of Officers, Enlisted Personnel, Military Students, and Civilians Realigning (Realignments are on Screen 3; for Civilians use Total Civilian Personnel Moved) times the Material Per Person (from Standard Factors Screen 3) divided by 2000 times the Receiving base's Freight Cost (Screen 4) times the Distance between Bases (Screen 2).

Equipment cost is the Total Equipment Moved (the sum of Mission Equipment and Support Equipment from Screen 3) times the Receiving Base's Freight Cost times the Distance Between Bases.

Crating Cost is the Total Equipment Moved times the Packing and Crating Cost from Standard Factors Screen 3.

Since distances and receiving base Freight Costs vary, Freight Shipping Cost is calculated separately for each receiving base, then added together.

## EQUATIONS

Freight Ship Cost (non-Unique) = Material + Equipment + Crating

Material = (Off + Enl + Stu + Civ Realign) \* (Material Per Person / 2000)  
\* Freight Cost \* Distance

Equipment = (Support + Mission Equip) \* Freight Cost \* Distance

Crating = (Support + Mission Equip) \* Packing and Crating

## Housing Allowance Costs, Savings, and Net Costs [Personnel]

To calculate the Housing Allowance Costs at a base, COBRA first calculates the Officer Families Living Off Base, the Enlisted Families Living Off Base, the Officer Family Quarters Available, and the Enlisted Family Quarters Available.

Officer Families Living Off Base is equal to the Total Officers (Screen 4) times the Percentage of Officers Married (Standard Factors Screen 1) times one minus the Percentage of Families on Base.

Enlisted Families Living Off Base is equal to the Total Enlisted Personnel (Screen 4) times the Percentage of Enlisted Personnel Married (Standard Factors Screen 1) times one minus the Percentage of Families on Base.

Officer Family Quarters Available and Enlisted Family Quarters Available are set to the Officer Quarters Vacant and Enlisted Quarters Vacant (respectively) from Screen 4.

Then, for each year, the following calculations are made. First, Officer Family Quarters Available and Enlisted Quarters Available are increased for new Family Quarters Construction. Added to Officers Family Quarters Available is the total of all Family Housing New Construction and Rehab Construction entered on Screen 7 (if projects are entered in square feet, they are divided by Average Family Quarters Size on Standard Factors Screen 2 to convert to 'eaches') times the Military Construction Time-Phasing for that base in that year times one minus the Enlisted Family Housing MilCon Rate (from Standard Factors Screen 1). Added to Enlisted Family Quarters Available is the total of all Family Housing New Construction and Rehab Construction entered on Screen 7 times the Military Construction Time-Phasing for that base in that year times the Enlisted Family Housing MilCon Rate.

Second, COBRA adjusts for Force Structure Changes (entered on Screen 6). If there is an Officer Force Structure Reduction (Officer Force Structure Change less than zero), then Officer Families Living Off Base is reduced by the Absolute Value of Officer Force Structure Change times the Percentage of Officers Married times the Percentage of Families Living On Base (note that Officer Families Living Off Base never drops below zero). If Officer Force Structure Change is greater than zero, then Officer Family Quarters Available is reduced by the Absolute Value of Officer Force Structure Change times the Percentage of Officers Married (note that Officer Families Quarters Available never drops below zero). These calculations are then repeated for Enlisted Force Structure Changes. There are no costs or savings associated with these operations.

Third, COBRA adjusts for Scenario Position Changes (entered on Screen 6). If there is a net elimination of officers (Officer Scenario Position Changes plus Officer Scenario Position Changes [No Salary Savings] less than zero) then Officer Families Living Off Base is reduced by the Absolute Value of Officer Scenario Position Changes plus Officer Scenario Position Changes [No Salary Savings]; note that this figure cannot be less than zero. There is a Housing Allowance Savings of Officer VHA (Screen 4) times twelve times amount that the Officer Families Living Off Base was reduced (note that once Officer Families Living Off Base reaches zero, no further Officer VHA savings can be realized). If Officer Scenario Position Changes plus Officer Scenario Position Changes [No Salary Savings] is greater than zero, then Officer Family Quarters Available is reduced by the sum of Officer Scenario

Position Changes plus Officer Scenario Position Changes [No Salary Savings] times the Percentage of Officers Married (note that Officer Families Quarters Available never drops below zero). There is a Housing Allowance Cost if more Officers are added than will fit in the available housing equivalent to the number of officers added above those that went into available housing times Officer VHA times twelve. These calculations are then repeated for Enlisted Force Structure Changes.

Fourth, COBRA adjusts for Realignment (entered on Screen 3). Note that any moves of less than or equal to fifty miles or moves between bases with equivalent VHA (Screen 4) or Percentage of Families Living On Base are ignored for Housing Allowance calculations. If there is a net realignment out of officers (Total realignments in minus total realignments out, subject to above conditions, less than zero) then Officer Families Living Off Base is reduced by the Absolute Value of Net Officer Realignments; note that this figure cannot be less than zero. There is a Housing Allowance Savings of Officer BAQ (Standard Factors Screen 1) plus Officer VHA (Screen 4) times twelve times amount that the Officer Families Living Off Base was reduced (note that once Officer Families Living Off Base reaches zero, no further Officer VHA/BAQ savings can be realized). If Net Officers Realigning is greater than zero, then Officer Family Quarters Available is reduced by the amount of the net Officers Realigned (note that Officer Families Quarters Available never drops below zero). There is a Housing Allowance Cost if more Officers are added than will fit in the available housing equivalent to the number of officers added above those that went into available housing times Officer BAQ plus Officer VHA times twelve. These calculations are then repeated for Enlisted Personnel Realignments.

Last, Housing Allowance Net Costs for that base in that year is equal to the sum of all Housing Allowance Costs realized minus all Housing Allowance Savings realized, plus the Housing Allowance Net Costs of the previous year (if the year is greater than one). If the total is greater than zero, then the Housing Allowance Cost is equal to the Housing Allowance Net Cost, and the housing Allowance Savings is zero; otherwise, the Housing Allowance Savings is equal to the Housing Allowance Net Cost times negative one, and the Housing Allowance Cost is zero.

Beyond year values of Housing Allowance Costs, Savings, and Net Costs are equal to the values in year six.

## EQUATIONS

### Initial Values

Off Fam Qtrs Avail = Officer Housing Vacant

Enl Fam Qtrs Avail = Enlisted Housing Vacant

Off Fam Off Base = (Total Off) \* (% Off Married)  
\* (1 - % Fam On Base)

Enl Fam Off Base = (Total Enl) \* (% Enl Married)  
\* (1 - % Fam On Base)

### Each Year

Off Fam Qtrs Avail = Off Fam Qtrs Avail  
+ (Fam Qtrs MilCon) \* (1 - % Enl Fam Qtrs MilCon)  
\* (MilCon Time-Phase)

Enl Fam Qtrs Avail = Enl Fam Qtrs Avail  
+ (Fam Qtrs MilCon) \* (% Enl Fam Qtrs MilCon)  
\* (MilCon Time-Phase)

Net Off FSC = Officer Force Structure Change

Net Enl FSC = Enlisted Force Structure Change

Net Off Elim = Officer Scenario Position Changes  
+ Officer Scenario Position Changes (No Sal Save)

Net Enl Elim = Enlisted Scenario Position Changes  
+ Enlisted Scenario Position Changes (No Sal Save)

Net Off Realign\* = (All Off Realign In) - (All Off Realign Out)

Net Enl Realign\* = (All Enl Realign In) - (All Enl Realign Out)

\*[Only consider moves greater than 50 miles, or where VHA or %Families Live Off Base different for gainer and loser]

If Net Off FSC < 0

Off Fam Off Base\*\* = Off Fam Off Base  
- (-Net Off FSC) \* (% Off Married) \* (% Fam on Base)

If Net Off FSC > 0

Off Fam Qtrs Avail\*\* = Off Fam Qtrs Avail  
- (Net Off FSC) \* (% Off Married)

If Net Enl FSC < 0

Enl Fam Off Base\*\* = Enl Fam Off Base  
- (-Net Enl FSC) \* (% Enl Married) \* (% Fam on Base)

If Net Enl FSC > 0

Enl Fam Qtrs Avail\*\* = Enl Fam Qtrs Avail  
- (Net Enl FSC) \* (% Enl Married)

[No Costs/Savings associated with Force Structure Changes]

If Net Off Elim < 0

Off Fam Off Base\*\* = Off Fam Off Base

- (-Net Off Elim)  
**Savings:** (Off Fam Off Base Reduction) \* (Off VHA \* 12)  
 If Net Off Elim > 0  
 Off Fam Qtrs Avail\*\* = Off Fam Qtrs Avail  
 - (Net Off Elim) \* (% Off Married)  
**Cost:** (Off Fam Qtrs Avail Overflow) \* (Off VHA \* 12)  
 If Net Enl Elim < 0  
 Enl Fam Off Base\*\* = Enl Fam Off Base  
 - (-Net Enl Elim)  
**Savings:** (Enl Fam Off Base Reduction) \* (Enl VHA \* 12)  
 If Net Enl Elim > 0  
 Enl Fam Qtrs Avail\*\* = Enl Fam Qtrs Avail  
 - (Net Enl Elim) \* (% Enl Married)  
**Cost:** (Enl Fam Qtrs Avail Overflow) \* (Enl VHA \* 12)

If Net Off Realign < 0  
 Off Fam Off Base\*\* = Off Fam Off Base  
 - (-Net Off Realign)  
**Savings:** (Off Fam Off Base Reduction)  
 \* (Off BAQ + Off VHA \* 12)  
 If Net Off Realign > 0  
 Off Fam Qtrs Avail\*\* = Off Fam Qtrs Avail  
 - (Net Off Realign) \* (% Off Married)  
**Cost:** (Off Fam Qtrs Avail Overflow)  
 \* (Off BAQ + Off VHA \* 12)

If Net Enl Realign < 0  
 Enl Fam Off Base\*\* = Enl Fam Off Base  
 - (-Net Enl Realign)  
**Savings:** (Enl Fam Off Base Reduction)  
 \* (Enl BAQ + Enl VHA \* 12)  
 If Net Enl Realign > 0  
 Enl Fam Qtrs Avail\*\* = Enl Fam Qtrs Avail  
 - (Net Enl Realign) \* (% Enl Married)  
**Cost:** (Enl Fam Qtrs Avail Overflow)  
 \* (Enl BAQ + Enl VHA \* 12)

**Housing Allowance Net Cost = (Previous Year Hous Allow Net)**  
 +  $\Sigma$  (Above Costs) -  $\Sigma$  (Above Savings)  
 If Housing Allowance Net Cost > 0  
 Housing Allowance Cost = Housing Allowance Net Cost  
 Housing Allowance Savings = 0  
 If Housing Allowance Net Cost < 0  
 Housing Allowance Cost = 0  
 Housing Allowance Savings = - Housing Allowance Net Cost

**Homeowners Assistance Program/Relocation Service Entitlement Costs [Other]**

An installation will either get a HAP Cost or an RSE Cost, depending upon whether the Homeowners Assistance Program is enabled on screen 4 (if HAP is disabled, then the installation gets RSE).

HAP Cost for an installation is the sum of Officer HAP, Enlisted HAP, and Civilian HAP.

Officer HAP is the product of the total number of officers eliminated or realigned more than 50 miles from the base times the Percentage of Officers Married times one minus the Percentage of Families on Base times the Civilian Home Ownership Rate times the Area Cost Factor times the HAP Home Value Rate times the HAP Receiving Rate times the National Median Home Price.

Enlisted HAP is the product of the total number of enlisted eliminated or realigned more than 50 miles from the base times the Percentage of Enlisted Married times one minus the Percentage of Families on Base times the Civilian Home Ownership Rate times the Area Cost Factor times the HAP Home Value Rate times the HAP Receiving Rate times the National Median Home Price.

Civilian HAP is the product of the total number of civilians eliminated or realigned more than 50 miles from the base times the Civilian Home Ownership Rate times the Area Cost Factor times the HAP Home Value Rate times the HAP Receiving Rate times the National Median Home Price.

RSE Cost for an installation is the product of the total number of civilians eliminated or realigned more than 50 miles from the base times the Civilian Home Ownership Rate times the Area Cost Factor times the RSE Home Value Rate times the RSE Receiving Rate times the National Average Home Price.

EQUATIONS:

HAP/RSE Cost = HAP Cost or RSE Cost  
(Depending upon Homeowners Assistance Program box on Screen 4)

HAP Cost = Officer HAP + Enlisted HAP + Civilian HAP

Officer HAP = (Officers Eliminated + Officers Moved  $\geq$  50 mi)

- \* Percentage of Officers Married
- \* (1 - Percentage of Families on Base)
- \* Civilian Home Ownership Rate
- \* Area Cost Factor
- \* HAP Home Value Rate
- \* HAP Receiving Rate
- \* National Median Home Price

Enlisted HAP = (Enlisted Eliminated + Enlisted Moved  $\geq$  50 mi)

- \* Percentage of Enlisted Married
- \* (1 - Percentage of Families on Base)
- \* Civilian Home Ownership Rate
- \* Area Cost Factor
- \* HAP Home Value Rate
- \* HAP Receiving Rate
- \* National Median Home Price

Civilian HAP = (Civilians Eliminated + Civilians Moved  $\geq$  50 mi)

- \* Civilian Home Ownership Rate
- \* Area Cost Factor
- \* HAP Home Value Rate
- \* HAP Receiving Rate
- \* National Median Home Price

RSE Cost = (Civilians Eliminated + Civilians Moved  $\geq$  50 mi)

- \* Civilian Home Ownership Rate
- \* Area Cost Factor
- \* RSE Home Value Rate
- \* RSE Receiving Rate
- \* National Median Home Price

**Impact Realignment Out**

Impact Realignment Out is the total number of Civilian Positions Realigned Out of the base (Realignments on Screen 3).

### Impact Realignment Early Retire

Impact Realignment Early Retire is the sum of Civilian Positions Realigned Out (Screen 3) times Early Retirement Rate (Standard Factors Screen 1), rounded off, for every base pair fifty of more miles apart (Base Distances on Screen 2).

#### EQUATION

Impact Early Retire =  $\Sigma$  Round(Civ Realign \* Early Retire Rate)  
[for all moves  $\geq$  50 miles]

### Impact Realignment Regular Retire

Impact Realignment Regular Retire is the sum of Civilian Positions Realigned Out (Screen 3) times Regular Retirement Rate (Standard Factors Screen 1), rounded off, for every base pair fifty of more miles apart (Base Distances on Screen 2).

#### EQUATION

Impact Reg Retire =  $\Sigma$  Round(Civ Realign \* Reg Retire Rate)  
[for all moves  $\geq$  50 miles]

### Impact Realignment Turnover

Impact Realignment Turnover is the sum of Civilian Positions Realigned Out (Screen 3) times Civilian turnover Rate (Standard Factors Screen 1), rounded off, for every base pair fifty of more miles apart (Base Distances on Screen 2).

#### EQUATION

Impact Turnover =  $\Sigma$  Round(Civ Realign \* Turnover Rate)  
[for all moves  $\geq$  50 miles]



### **Impact Realignment Not Move**

Impact Realignment Not Move is the sum of Civilian Positions Realigned Out (Screen 3) times Civilians Not Willing To Move (Screen 4), rounded off, for every base pair fifty of more miles apart (Base Distances on Screen 2).

### **EQUATION**

Impact Not Move =  $\Sigma$  Round(Civ Realign \* Not Will to Move Rate)  
[for all moves  $\geq$  50 miles]

### **Impact Realignment Moved Out**

Impact Realignment Moved Out is the sum for all base pairs of Impact Realignment Out minus the sum of Impact Realignment Early Retire, Impact Realignment Regular Retire, Impact Realignment Turnover, and Impact Realignment Not Move.

### **Impact Realignment Available**

Impact Realignment Available is equal to Impact Realignment Out minus Impact Realignment Moved Out.

### **Impact Elimination Out**

Impact Elimination Out is the absolute value of Civilian Scenario Position Changes (if Civilian Scenario Position Changes is less than zero) plus the absolute value of Civilian Scenario Position Changes (No Salary Savings), both on Screen 6.

### **Impact Elimination Early Retire**

Impact Elimination Early Retire is the Impact Elimination Out times Early Retirement Rate (Standard Factors Screen 1), rounded off.

### **Impact Elimination Regular Retire**

Impact Elimination Regular Retire is the Impact Elimination Out times Regular Retirement Rate (Standard Factors Screen 1), rounded off.

### **Impact Elimination Turnover**

Impact Elimination Turnover is the Impact Elimination Out times Civilian Turnover Rate (Standard Factors Screen 1), rounded off.

### **Impact Elimination Not Move**

Impact Elimination Not Move is the Impact Elimination Out times Civilians Not Willing to Move Rate (Screen 4), rounded off.

### **Impact Elimination PPS**

Impact Elimination PPS is Impact Elimination Out minus the sum of Impact Elimination Early Retire, Impact Elimination Regular Retire, Impact Elimination Turnover, and Impact Elimination Not Move; or Impact Elimination Out times Priority Placement Rate (Standard Factors Screen 1), rounded off; whichever is lesser.

### **Impact Elimination Available**

Impact Elimination Available is Impact Elimination Out minus the sum of Impact Elimination Early Retire, Impact Elimination Regular Retire, Impact Elimination Turnover, Impact Elimination Not Move, and Impact Elimination PPS.

### **Impact Elimination Moved Out**

If Impact Elimination Available is greater than zero, and Impact Realignment Available is greater than zero, then Civilians in Impact Elimination Available are used to fill Impact Realignment Available slots; to the closest base first, then the next closest, etc. (Distance Between Bases on Screen 2).

### **Impact Elimination RIF**

If any Civilians are left over from Impact Elimination Available after all Impact Realignment Available slots are full, then they are placed in the Impact Elimination RIF line.

### **Impact Realignment In**

Impact Realignment In is the total number of Civilian Positions Realigned In to the base (Realignments on Screen 3).

### **Impact Realignment Moved In**

Impact Realignment Moved In is the number of actual Civilians moved in; this value is taken from the Impact Realignment Moved Out line (except summed for the gainer instead of the loser).

### **Impact Realignment Hire**

Impact Realignment Hire is the Impact Realignment In minus the Impact Realignment Moved In.

### **Impact Realignment Additions**

Impact Realignment Additions is the Civilian Scenario Position Changes from Screen 6 if Civilian Scenario Position Changes is greater than zero.

## Information Management Account Costs [MilCon]

Information Management Account Costs for an installation are equal to sum of all MilCon Project IMA Costs (for projects with a Unit Measure in square feet on Standard Factors Screen 4; Family Quarters and Bachelor Quarters are included whether they use square feet or 'eaches'). A value must have been entered in the New MilCon field, regardless of whether or not the Total Cost field is used (both on Screen 7).

The MilCon Project IMA Cost of a project is equal to the New MilCon entered on Screen 7 times the Cost Per Unit Measure for that Project's Category (Cost Per Unit Measure on Standard Factors Screen 4, Project Category on Screen 7) times the Area Cost Factor on Screen 4 times the IMA Rate on Standard Factors Screen 2) times the Military Construction Time-Phasing for that year.

## EQUATIONS

IMA Costs =  $\Sigma$  MilCon Project IMA  
[for projects in SF, also Fam Qtrs and Bach Qtrs]

MilCon Project IMA = New MilCon \* Cost Per UM \* Area Cost Factor \* IMA Rate  
\* Time-Phase

## Land Net Costs [MilCon/Other]

The Land Net Costs for an installation are the Land Purchases minus the Land Sales (see below).

## Land Purchases [MilCon]

The Land Purchase for an installation are Land Purchases/Sales entered on Screen 5 when the Land Purchases/Sales is greater than zero.

## Land Sales [Other]

The Land Sales for an installation are the absolute value of the Land Purchases/Sales entered on Screen 5 when the Land Purchases/Sales is less than zero.

## Military Construction Costs [MilCon]

The Military Construction Costs for an installation are the sum of the MilCon Project Costs for each project entered on screen 7 (except for Family Quarters, which are used for Family Housing Construction Costs, q.v.)

MilCon Project Costs are calculated in two ways, depending upon whether or not the user entered a value in the Total Cost field on Screen 7.

If the user entered the Total Cost, then the MilCon Project Cost in a year is equal to the Total Cost divided by the MilCon Design Mark-Up times the Military Construction Time-Phasing for that year. An additional Milcon Design Cost is added in year one, consisting of the Total Cost times the Design Rate (from Standard Factors Screen 2) divided by the MilCon Design Mark-Up.

If the user did not enter a Total Cost, then the MilCon Project Cost is equal to the sum of the New MilCon Cost and the Rehab MilCon Cost times the Military Construction Time-Phasing for that year times the MilCon Mark-Up. An additional Milcon Design Cost is added in year one, consisting of the sum of the New MilCon Cost and the Rehab MilCon Cost times the Design Rate (from Standard Factors Screen 2) times the MilCon Mark-Up.

New MilCon Cost is equal to the New MilCon entered on Screen 7 times the Cost Per Unit Measure for that Project's Category (Cost Per Unit Measure on Standard Factors Screen 4, Project Category on Screen 7) times the Area Cost Factor on Screen 4. Rehab MilCon Cost is equal to the Rehab MilCon entered on Screen 7 times the Cost Per Unit Measure for that Project's Category times the Area Cost Factor on Screen 4 times the Rehab vs. New Construction Rate on Standard Factors Screen 4.

Milcon Mark-Up is equal to one plus the Site Preparation Rate plus the Supervision, Inspection, and Overhead Rate plus the Contingency Planning Rate. MilCon design Mark-Up is equal to one plus the Design Rate (all on Standard Factors Screen 2).

## EQUATIONS

Military Construction Costs =  $\Sigma$  MilCon Project Costs  
[except for Family Quarters projects]

When Total Cost > 0

$$\text{MilCon Project Cost} = \frac{\text{Total Cost} * \text{Time-Phase} + \text{Design}}{\text{Design Mark-Up}}$$

$$\text{Design [Year 1 only]} = \frac{\text{Total Cost} * \text{Design Rate}}{\text{Design Mark-Up}}$$

When Total Cost = 0

$$\text{MilCon Project Cost} = (\text{New MilCon Cost} + \text{Rehab MilCon Cost}) * \text{Time-Phase} * \text{Mark-Up} + \text{Design}$$

$$\text{Design [Year 1 only]} = (\text{New MilCon Cost} + \text{Rehab MilCon Cost}) * \text{Design Rate} * \text{Mark-Up}$$

$$\text{New MilCon Cost} = \text{New MilCon} * \text{Cost Per UM} * \text{Area Cost Factor}$$

$$\text{Rehab MilCon Cost} = \text{Rehab MilCon} * \text{Cost Per UM} * \text{Area Cost Factor} * (\text{Rehab vs. New MilCon Rate})$$

$$\text{Mark-Up} = 1 + (\text{Site Prep Rate}) + (\text{SIOH Rate}) + (\text{Contingency Rate})$$

$$\text{Design Mark-up} = 1 + (\text{Design Rate})$$

### **Military Construction Cumulative Time-Phasing**

Military Construction Cumulative Time Phasing for a year is equal to the sum of the Military Construction Time-Phasing for that year and all previous years (for example: Year 1 Military Construction Cumulative Time-Phasing is equal to the Year 1 Military Construction Time-Phasing; but Year 3 Military Construction Cumulative Time-Phasing is equal to the sum of Military Construction Time-Phasing for years 1 through 3).

## Military Construction Half-Year Time-Phasing

Military Construction Half-Year Time Phasing for a year is equal to half of that year's Military Construction Time-Phasing plus the sum of the Military Construction Time-Phasing for all previous years (for example: Year 1 Military Construction Half Year Time-Phasing is equal to half of the Year 1 Military Construction Time-Phasing; but Year 3 Military Construction Half Year Time-Phasing is equal to half of the Year 3 Military Construction Time-Phasing plus the sum of Military Construction Time-Phasing for years 1 through 2).

## Military Construction Net Costs [MilCon]

The Military Construction Net Costs for an installation are the Military Construction Costs minus the Military Construction Savings (described elsewhere).

## Military Construction Savings [MilCon]

The Military Construction Savings for an installation are the Military Construction Avoidances entered on Screen 5.

## Military Construction Time-Phasing

If Auto-Time Phase on Screen 1 is disabled, then Military Construction Time-Phasing for a Base is equal to the values entered for Construction Schedule on Screen 5; otherwise, it is calculated as follows:

If Total Personnel Realignments into the base is zero, then Military Construction Time-Phasing for year 1 is two divided by the Scenario Last Year for the base; and each other year previous to the Scenario Last Year for the base is one divided by the Scenario Last Year of the base (for example: if the Scenario Last Year for the base is year 5, then year 1 Military Construction Time-Phasing is  $2/5$ , or 40.00%, and years 2 through 4 are  $1/5$ , or 20.00%). If the base has no Scenario Last Year (no realignments or eliminations; neither closing nor deactivating), then Military Construction Time-Phasing for all six years is  $1/6$ , or 16.67%.

If Total Personnel Realignment into the base is greater than zero, then Military Construction Time-Phasing for year 1 is equal to the sum of Percentage of Personnel Moved In for years 1 and 2; and each subsequent year's Military Construction Time Phasing is set to the following year's Percentage of Personnel Moved In (Year 2's Military Construction Time Phasing is set to year 3's Percentage of Personnel Moved In, etc.) Military Construction Time Phasing for Year 6 will be 0.00%.

## Military Eliminated PCS Costs [Personnel]

The Military Eliminated PCS Costs for an installation is the sum of the Eliminated Officer PCS Costs and the Eliminated Enlisted PCS Costs.

The Eliminated Officer PCS Costs is the total number of Officers Eliminated (including Officers Eliminated with No Salary Savings) times the One Time Officer PCS Costs (from Standard Factors Table Three).

The Eliminated Enlisted PCS Costs is the total number of Enlisted Eliminated (including Enlisted Eliminated with No Salary Savings) times the One Time Enlisted PCS Costs (from Standard Factors Table Three).

Total Officers Eliminated is the absolute value of Officer Scenario Position Changes (from Screen 6), when Officer Scenario Positions Changes is a negative number, plus the absolute value of Officer Scenario Position Changes (No Salary Savings).

Total Enlisted Eliminated is the absolute value of Enlisted Scenario Position Changes (from Screen 6), when Enlisted Scenario Positions Changes is a negative number, plus the absolute value of Enlisted Scenario Position Changes (No Salary Savings).

### EQUATIONS:

Total Officers Eliminated = [Officer Scenario Position Changes]  
+ [Officer Scenario Position Changes (No Salary Saving)]  
(When Officer Scenario Position Changes < = 0)

Total Enlisted Eliminated = [Enlisted Scenario Position Changes]  
+ [Enlisted Scenario Position Changes (No Salary Saving)]  
(When Enlisted Scenario Position Changes < = 0)

Officer Eliminated PCS Costs = Total Officers Eliminated  
\* One Time Officer PCS Costs

Enlisted Eliminated PCS Costs = Total Enlisted Eliminated  
\* One Time Enlisted PCS Costs

Military Eliminated PCS Costs = Officer Eliminated PCS Costs  
+ Enlisted Eliminated PCS Costs



## Military Household Goods Cost [Moving]

The Military Household Goods Cost for an installation is the sum of the Officer Family HHG Cost, the Enlisted Family HHG Cost, and the Single Military HHG Cost times the HHG Cost Per Pound.

Officer Family HHG Cost is the number of Officers Realigning at least 50 Miles (Realignments are on Screen 3, Distances on Screen 2) times the Percentage of Officers Married (from Standard Factors Screen 1) times the HHG Weight Per Officer Family (from Standard Factors Screen 3).

Enlisted Family HHG Cost is the number of Enlisted Personnel Realigning at least 50 Miles times the Percentage of Enlisted Personnel Married (from Standard Factors Screen 1) times the HHG Weight Per Enlisted Family (from Standard Factors Screen 3).

Single Military HHG Cost is the number of Officers Realigning at least 50 Miles times one minus the Percentage of Officers Married plus the number Enlisted Personnel Realigning at least 50 Miles times the one minus the Percentage of Enlisted Personnel Married. This sum (the number of single military personnel realigned at least 50 miles) is then multiplied by the HHG Weight Per Military Single (from Standard Factors Screen 3).

HHG Cost Per Pound is the HHG Cost from Standard Factors Screen 3 plus the product of the Receiving Base's Freight Cost (on Screen 4) divided by 2000 times the Distance between bases.

## EQUATIONS

Military HHG Cost = (Officer Family HHG + Enlisted Family HHG + Single Military HHG) \* HHG Cost Per Pound

Officer Family HHG = (Officers Realigned at least 50 Miles) \* Percentage of Officers Married \* HHG Per Officer Family

Enlisted Family HHG = (Enlisted Realigned at least 50 Miles) \* Percentage of Enlisted Married \* HHG Per Enlisted Family

Single Military HHG = ((Officers Realigned at least 50 Miles \* (1 - Percentage of Officers Married)) + (Enlisted Personnel Realigned at least 50 Miles \* (1 - Percentage of Enlisted Personnel Married))) \* HHG Per Military Single

HHG Cost Per Pound = HHG Cost + (Freight Cost / 2000 \* Distance)

### **Military Miscellaneous Moving Cost [Moving]**

The Military Miscellaneous Moving Cost for an installation is the number of Officers and Enlisted Personnel Realigning to a destination at least 50 miles away (Personnel Realigning are entered on Screen 3, Distances between bases on Screen 2) times the Miscellaneous Expenditure Per Direct Employee Rate on Standard Factors Table 3.

### **Military Move Net Costs [Moving/Personnel]**

The Military Move Net Costs for an installation is the sum of the Military Per Diem Cost, Military Personally Owned Vehicle Mileage Cost, Military Household Goods Cost, Military Miscellaneous Moving Cost, and Military Eliminated PCS Costs; minus Military Move Savings [all described elsewhere].

### **Military Move Savings [Moving]**

Military Moving Savings for an installation is the number of Officers and Enlisted Realigning More Than 50 Miles (Realignments are on Screen 3, Distances on Screen 2) times the Routine PCS Cost Per Person divided by the Average Tour Length (both on Standard Factors Screen 3).

### **Military Per Diem Cost [Moving]**

The Military Per Diem Cost for an installation is the number of Officers and Enlisted Personnel Realigning to a destination at least 50 miles away (Personnel Realigning are entered on Screen 3, Distances between bases on Screen 2) times the receiving base's Per Diem Rate (Screen 4) times the Distance travelled divided by 350. Since distances and receiving base Per Diem Rates vary, Military Per Diem Cost is calculated separately for each receiving base, then added together.

### **Military Personally Owned Vehicle Mileage Cost [Moving]**

The Military Personally Owned Vehicle Mileage Cost for an installation is the number of Officers and Enlisted Personnel Realigning to a destination at least 50 miles away (Personnel Realigning are entered on Screen 3, Distances between bases on Screen 2) times the POV Reimbursement Rate on Standard Factors Table 3 times the Distance travelled. Since distances vary, Military Personally Owned Vehicle Mileage Cost is calculated separately for each receiving base, then added together.

### Military Salary Net Costs [Personnel]

The Military Salary Net Costs for an installation is equivalent to the sum of Officer Salary Costs and Enlisted Salary Costs minus the sum of Officer Salary Savings and Enlisted Salary Savings (all described elsewhere in this manual).

### Miscellaneous Recurring Costs [Overhead]

The Miscellaneous Recurring Costs for an installation is the Misc Recur Cost entered on Screen 5.

### Miscellaneous Recurring Net Costs [Overhead]

The Miscellaneous Recurring Net Costs for an installation is the Miscellaneous Recurring Costs minus the Miscellaneous Recurring Savings.

### Miscellaneous Recurring Savings [Overhead]

The Miscellaneous Recurring Savings for an installation is the Misc Recur Save entered on Screen 5.

### Mission Costs, Savings, and Net Costs [Mission]

The Mission Costs for an installation are the Activity Mission Costs entered on Screen 5. The Mission Savings are the Activity Mission Savings on Screen 5. The Net Mission Costs are the Mission Costs minus the Mission Savings. Note that year 6 values recur into the Beyond years.

### Mothball Costs [Overhead]

The Mothball Costs for Unique installations (defined on Data Screen 4) are taken directly from Data Screen 8.

The Mothball Costs for a non-Unique installation in a year is the Total Mothball Cost times that year's Shut Down Time-Phasing.

Total Mothball Cost is the Mothball Cost Per Square Foot (from Standard Factors Screen 2) times the Facilities Shut Down (from Screen 5).

## Net Present Value

The Net Present Value in a year is equal to the NPV Adjusted Cost of that year plus the Net Present Value of the previous year. The COBRA Summary Report displays the Net Present Value for Year 20, and the Net Present Value Report will calculate Net Present Value for at least twenty years (if Return on Investment Year is greater than Year 20 but not 'NEVER', then NPV.RPT will display Net Present Value up to Return on Investment Year or Year 100, whichever comes first).

## NPV Adjusted Cost

The NPV Adjusted Cost for a year is the Total Realignment Net Cost for that year (use Beyond-Year Total Realignment Net Cost after Year 6) times one plus the NPV Inflation Rate, raised to the power of the year minus one half; divided by one plus the NPV Discount Rate, raised to the power of the year minus one half (NPV Inflation and Discount Rates on Standard Factors Screen 2).

## EQUATION

$$\text{NPV Adj Cost} = \text{Tot Real Net Cost} * \frac{(1 + \text{NPV Inflation})^{\text{Year} - 1/2}}{(1 + \text{NPV Discount})^{\text{Year} - 1/2}}$$

## Officer Salary Costs [Personnel]

The Officer Salary Costs for an installation in a year is one-half of the Officer Sal Costs for that year, plus the full Officers Sal Costs of all previous years.

Officer Sal Costs in a year are the number of Officers Added in that year (Officer Scenario Position Changes from Screen 6, when Officer Scenario Position Changes is greater than zero) times the Average Officer Salary from Standard Factors Table One).

Beyond-Year Officer Salary Costs is the sum of all full Officer Sal Costs for all six years.

## EQUATIONS:

Officers Added = Officer Scenario Position Changes  
(When Officer Scenario Position Changes > 0)

Officer Sal Cost = Officers Added \* Average Officer Salary

Officer Salary Costs =  
1/2 (Current Year Officer Sal Costs)  
+ Σ (Previous Years' Officer Sal Costs)

### Officer Salary Savings [Personnel]

The Officer Salary Savings for an installation in a year is one-half of the Officer Sal Savings for that year, plus the full Officers Sal Savings of all previous years.

Officer Sal Savings in a year are the number of Officers Eliminated in that year (the absolute value of Officer Scenario Position Changes from Screen 6, when Officer Scenario Position Changes is less than zero) times the Average Officer Salary from Standard Factors Table One).

Beyond-Year Officer Salary Savings is the sum of all full Officer Sal Savings for all six years.

### EQUATIONS:

Officers Eliminated = [Officer Scenario Position Changes]  
(When Officer Scenario Position Changes < 0)

Officer Sal Savings = Officers Eliminated \* Average Officer Salary

Officer Salary Savings =  $\frac{1}{2}$  (Current Year Officer Sal Savings)  
+  $\Sigma$  (Previous Years' Officer Sal Savings)

### One-Time Moving Costs [Moving]

The One-Time Moving Costs for an installation is the One-Time Move Cost entered on Screen 5.

### One-Time Moving Savings [Moving]

The One-Time Move Savings for an installation is the One-Time Move Save entered on Screen 5.

### One-Time Other Costs [Other]

The One-Time Other Costs for an installation is the One-Time Unique Cost entered on Screen 5.

### One-Time Other Net Costs [Other]

The One-Time Other Net Costs for an installation is the One-Time Other Costs minus the One-Time Other Savings.

### One-Time Other Savings [Other]

The One-Time Other Savings for an installation is the One-Time Unique Save entered on Screen 5.

### Other Operations And Maintenance Net Costs [Moving/Overhead/Personnel]

Other Operations And Maintenance Costs are Civilian Unemployment Cost plus Program Planning Cost plus Mothball Costs plus Civilian New Hire Costs plus One-Time Moving Costs minus One-Time Moving Savings [all described elsewhere].

### Packing/Unpacking Costs [Moving]

The Packing/Unpacking Costs for Unique installations (defined on Data Screen 4) are taken directly from Data Screen 8.

The Packing/Unpacking Costs for a non-Unique installation is the total number of Officers, Enlisted Personnel, Military Students, and Civilians Realigning (Realignments are on Screen 3; for Civilians use Total Civilian Personnel Moved) times the Material Per Person times the HHG Cost (both on Standard Factors Screen 3).

### Percentage of Personnel Moved In

The Percentage of Personnel Moved In for an installation is the Total Personnel Realigned into that base in a year divided by the Total Personnel Realigned into the base in all years.

### Percentage of Personnel Moved Out/Eliminated

The Percentage of Personnel Moved Out/Eliminated for an installation is the Total Personnel Realigned/Eliminated from a base in a year divided by the Total Personnel Realigned/ Eliminated from the base in all years.

### Post-BRAC Civilians

Post-BRAC Civilians is the Total Civilians on Base from Screen 4 plus the sum of all Civilian Force Structure Changes, Civilian Scenario Position Changes, Civilian Scenario Position Changes (No Salary Savings), and Civilian Caretaker Position Changes from Screen 6; with all Civilian Position Realignments In added and all Civilian Position Realignments Out subtracted (Realignments on Screen 3).

**Post-BRAC Enlisted**

Pre-BRAC Enlisted is the Total Enlisted Personnel on Base from Screen 4 plus the sum of all Enlisted Force Structure Changes, Enlisted Scenario Position Changes, Enlisted Scenario Position Changes (No Salary Savings), and Military Caretaker Position Changes from Screen 6; with all Enlisted Position Realignment In added and all Enlisted Position Realignment Out subtracted (Realignment on Screen 3).

**Post-BRAC Officers**

Pre-BRAC Officers is the Total Officers on Base from Screen 4 plus the sum of all Officer Force Structure Changes, Officer Scenario Position Changes and Officer Scenario Position Changes (No Salary Savings) from Screen 6; with all Officer Position Realignment In added and all Officer Position Realignment Out subtracted (Realignment on Screen 3).

**Post-BRAC Students**

Pre-BRAC Students is the Total Military Students on Base from Screen 4 plus the sum of all Student Force Structure Changes from Screen 6; with all Student Position Realignment In added and all Student Position Realignment Out subtracted (Realignment on Screen 3).

**Pre-BRAC Civilians**

Pre-BRAC Civilians is the Total Civilians on Base from Screen 4 plus the sum of all Civilian Force Structure Changes from Screen 6.

**Pre-BRAC Enlisted**

Pre-BRAC Enlisted is the Total Enlisted Personnel on Base from Screen 4 plus the sum of all Enlisted Force Structure Changes from Screen 6.

**Pre-BRAC Officers**

Pre-BRAC Officers is the Total Officers on Base from Screen 4 plus the sum of all Officer Force Structure Changes from Screen 6.

## Pre-BRAC Students

Pre-BRAC Students is the Total Military Students on Base from Screen 4 plus the sum of all Student Force Structure Changes from Screen 6.

## Procurement Avoidance Savings [Other]

The Procurement Avoidance Savings for an installation are the Procurement Avoidances entered on Screen 5. Note that the year 6 value recurs into the Beyond years.

## Program Planning Costs [Overhead]

The Program Planning Costs for Unique installations (defined on Data Screen 4) are taken directly from Data Screen 8.

For Non-Unique installations, the Year 1 Program Planning Costs is equal to the sum of the BOS Payroll and BOS Non-Payroll (both from Screen 4), times the Program Management Factor (from Standard Factors Screen 2) times the Percentage of Base Population Move Out/Eliminated. The Program Planning Cost for each subsequent year is 75% of the previous year, calculated through base's Scenario Last Year. Note that if no personnel are realigned out or eliminated from an installation, then Program Planning Costs will be zero.

The Percentage of Base Population Moved Out/Eliminated is the sum of all realignments out and eliminations, divided by the sum of the total officers, enlisted, civilians, and students on Screen 4.

## EQUATIONS

Program Planning (Unique) = (Screen 8 values)

Program Planning (Non-Unique, Year 1) = (BOS Pay + BOS Non-Pay)  
\* (Program Planning Factor) \* (% Population Moved/Elim)

% Population Moved/Elim =  $\frac{(\text{All Realignments Out} + \text{Eliminations})}{\text{Starting Population}}$

Starting Population = Total Off + Enl + Civ + Stu



### Project New Construction Cost

Project New Construction Cost is equal to the New MilCon entered on Screen 7 times the Cost Per Unit Measure for that Project's Category (Cost Per Unit Measure on Standard Factors Screen 4, Project Category on Screen 7) times the Area Cost Factor on Screen 4 times Mark-Up times Design Mark-Up.

Milcon Mark-Up is equal to one plus the Site Preparation Rate plus the Supervision, Inspection, and Overhead Rate plus the Contingency Planning Rate. MilCon Design Mark-Up is equal to one plus the Design Rate (all on Standard Factors Screen 2).

### Project Rehabilitation Cost

Project Rehabilitation Cost is equal to the Rehab MilCon entered on Screen 7 times the Cost Per Unit Measure for that Project's Category (Cost Per Unit Measure on Standard Factors Screen 4, Project Category on Screen 7) times the Area Cost Factor on Screen 4 times the Rehab vs. New Construction Rate on Standard Factors Screen 4 times Mark-Up times Design Mark-Up.

Milcon Mark-Up is equal to one plus the Site Preparation Rate plus the Supervision, Inspection, and Overhead Rate plus the Contingency Planning Rate. MilCon Design Mark-Up is equal to one plus the Design Rate (all on Standard Factors Screen 2).

### Project Total Cost

The Project Total Cost is equal to Project New Construction Cost plus Project Rehabilitation Cost.

### Return on Investment Year

The Return on Investment Year is the year where Net Present Value is less than zero, and the previous year's Net Present Value was greater than or equal to zero (for Year 1, the previous year is assumed to be zero). If this occurs more than once, then the last time that it occurs is the Return on Investment Year.

If Return on Investment Year has not occurred yet after one hundred years, there are two possibilities. If Beyond-Year Total Realignment Net Cost is greater than or equal to zero, then Return on Investment Year is 'NEVER', otherwise it's '100+ Years'. If Return on Investment occurs before Scenario Final Year, then Return on Investment is 'IMMEDIATE'.

Return on Investment Year is displayed both as a Fiscal Year and as the number of years after Scenario Final Year that it occurs, unless Return on Investment is 'IMMEDIATE' or 'NEVER'.

## RPMA Costs, Savings, and Net Costs [Overhead]

The Net RPMA Cost for an installation is the difference between the installation's Revised RPMA Cost and Actual RPMA Cost.

The Actual RPMA Cost is the Cost of RPMA to the installation without BRAC action. This is equal to the RPMA Non-Payroll Cost from input screen 4.

The Revised RPMA Cost is the Cost of RPMA in each year due to BRAC actions. This is equivalent to the RPMA Non-Payroll Cost divided by the Total Facilities (Screen 4) to the power of the RPMA Index (Standard Factors Screen 2) times the Current Facilities raised to the power of the RPMA Index.

The Current Facilities in a given year is the Total Facilities minus the Facilities Shut Down (Screen 5) times the Shut Down Half Year Time-Phasing plus (for years greater than 1) the Total Square Footage Added times the Military Construction Cumulative Time-Phasing.

Total Square Footage Added is the total of all New Construction fields on Screen 7 for projects measured in Square Feet (excluding Family Quarters but including Bachelor Quarters, converted from Eaches to SF using the Average Bachelor Quarters Size on Standard Factors Screen 2 if necessary; see Standard Factors Screen 4 for Unit Measure of MilCon projects).

RPMA Changes are savings if the installation is a net losing installation (total change in RPMA and BOS costs are less than zero). RPMA Changes are costs in all other situations.

Beyond-Year RPMA Costs, Savings, and Net are calculated in the same way, except that all construction and shutdown is complete.

### EQUATIONS:

$$\text{Net RPMA} = \text{Revised RPMA Cost} - \text{Actual RPMA Cost}$$

$$\text{Actual RPMA} = \text{RPMA Non-Payroll Budget}$$

$$\text{Revised RPMA} = \frac{\text{RPMA Non-Payroll}}{\text{Total Facilities}^{\text{RPMA Index}}} * \text{Current Fac}^{\text{RPMA Index}}$$

$$\text{Current Facilities} = \text{Total Facilities}$$

$$- (\text{Facilities Shut Down} * \text{Shutdown Half Year Time Phase})$$

$$+ (\text{New SF Constructed} * \text{MilCon Cumulative Time Phase})$$

[Construction is considered starting in year two]

## Scenario Final Year

The Scenario Final Year is the last year that personnel or equipment are moved, or the highest Close/Deactivate Year, whichever comes last (Personnel and Equipment movement is on Screen 3, Eliminations on Screen 6, and Close/Deactivate Year on Screen 1). The Scenario Final Year for an individual base is the last year that personnel or equipment are moved into or out of the base, or the Close/Deactivate Year (if non-zero), whichever comes last.

## Shut Down Half-Year Time-Phasing

Shut Down Half-Year Time Phasing for a year is equal to half of that year's Shut Down Time-Phasing plus the sum of the Shut Down Time-Phasing for all previous years (for example: Year 1 Shut Down Half Year Time-Phasing is equal to half of the Year 1 Shut Down Time-Phasing; but Year 3 Shut Down Half Year Time-Phasing is equal to half of the Year 3 Shut Down Time-Phasing plus the sum of Shut Down Time-Phasing for years 1 through 2).

## Shut Down Time-Phasing

If Auto-Time Phase on Screen 1 is disabled, then Shut Down Time-Phasing for a Base is equal to the values entered for Shutdown Schedule on Screen 5; otherwise, it is calculated as follows:

If Total Personnel Realignments/Eliminations for the base is zero, then Shut Down Time-Phasing for each year up to the base's Scenario Last Year is one divided by the Scenario Last Year of the base (for example: if the Scenario Last Year for the base is year 5, then Shut Down Time-Phasing for years 1 through 5 is 1/5, or 20.00%). If the base has no Scenario Last Year (no realignments or eliminations; neither closing nor deactivating), then Shut Down Time-Phasing for all six years is 1/6, or 16.67%.

If Total Personnel Realignments/Eliminations for the base is greater than zero, then Shut Down Time-Phasing for each year is equal to the Percentage of Personnel Moved Out/Eliminated for that years.

## Subtotal Personnel Realigned

Subtotal Personnel Realigned is the total of Officer Position Realignments, Enlisted Position Realignments, Civilian Position Realignments, and Student Position Realignments from one base to another (Screen 3).

## Total Appropriation Costs

The Total Appropriation Costs for an installation are the sum of the Total Appropriation One-Time Costs plus the Total Appropriations Recurring Costs, or the total of Military Construction Costs, Family Housing Construction Costs, Land Purchases, Civilian RIF Costs, Civilian Retirement Costs, Civilian Per Diem Cost, Civilian Personally Owned Vehicle Mileage Cost, Civilian House Purchasing Cost, Civilian Household Goods Cost, Civilian Miscellaneous Moving Cost, Civilian House Hunting Cost, Civilian Priority Placement Service Cost, Civilian RITA Cost, Packing/Unpacking Costs, Freight Shipping Costs, Vehicle Shipping Costs, Vehicle Driving Costs, Civilian Unemployment Costs, Program Planning Cost, Mothball Costs, Civilian New Hire Costs, One-Time Moving Costs, Military Per Diem Cost, Military Personally Owned Vehicle Mileage Cost, Military Household Goods Cost, Military Miscellaneous Moving Cost, Military Eliminated PCS Costs, Homeowners Assistance Program/Relocation Service Entitlement Costs, Environmental Costs, Information Management Account Costs, One-Time Other Costs, Family Housing Operations Costs, RPMA Costs, BOS Costs, Unique Operating Costs, Civilian Salary Costs, CHAMPUS Costs, Caretaker Costs, Officer Salary Costs, Enlisted Salary Costs, Housing Allowance Costs, Mission Costs, Miscellaneous Recurring Costs, and Unique Other Costs (all described elsewhere).

## Total Appropriations One-Time Costs

The Total Appropriations One-Time Costs for an installation are the total of Military Construction Costs, Family Housing Construction Costs, Land Purchases, Civilian RIF Costs, Civilian Retirement Costs, Civilian Per Diem Cost, Civilian Personally Owned Vehicle Mileage Cost, Civilian House Purchasing Cost, Civilian Household Goods Cost, Civilian Miscellaneous Moving Cost, Civilian House Hunting Cost, Civilian Priority Placement Service Cost, Civilian RITA Cost, Packing/Unpacking Costs, Freight Shipping Costs, Vehicle Shipping Costs, Vehicle Driving Costs, Civilian Unemployment Costs, Program Planning Cost, Mothball Costs, Civilian New Hire Costs, One-Time Moving Costs, Military Per Diem Cost, Military Personally Owned Vehicle Mileage Cost, Military Household Goods Cost, Military Miscellaneous Moving Cost, Military Eliminated PCS Costs, Homeowners Assistance Program/Relocation Service Entitlement Costs, Environmental Costs, Information Management Account Costs, and One-Time Other Costs (all described elsewhere).

The COBRA Summary report displays one Total Appropriations One-Time Costs value for all bases in all years.

### **Total Appropriations One-Time Net Costs**

The Total Appropriations One-Time Net Costs for an installation are the Total Appropriations One-Time Costs minus the Total Appropriations One-Time Savings, or the sum of Military Construction Net Costs, Family Housing Construction Net Costs, Civilian Retirement/RIF Net Costs, Civilian Net Moving Cost, Other Operations And Maintenance Net Costs, Military Move Net Costs, Homeowners Assistance Program/Relocation Service Entitlement Costs, Environmental Net Costs, Information Management Account Costs, One-Time Other Net Costs, and Land Net Costs (all described elsewhere).

### **Total Appropriations One-Time Savings**

The Total Appropriations One-Time Savings of an installation are the total of Military Construction Savings, Family Housing Construction Savings, One-Time Moving Savings, Military Move Savings, Land Sales, Environmental Savings, and One-Time Other Savings (all described elsewhere).

### **Total Appropriations Recurring Costs**

The Total Appropriations Recurring Costs of an installation are the total of Family Housing Operations Costs, RPMA Costs, BOS Costs, Unique Operating Costs, Civilian Salary Costs, CHAMPUS Costs, Caretaker Costs, Officer Salary Costs, Enlisted Salary Costs, Housing Allowance Costs, Mission Costs, Miscellaneous Recurring Costs, and Unique Other Costs (all described elsewhere).

### **Total Appropriations Recurring Net Costs**

The Total Appropriations Recurring Net Costs of an installation are the Total Appropriations Recurring Costs minus the Total Appropriations Recurring Savings, or the total of Family Housing Operations Net Costs, RPMA Net Costs, BOS Net Costs, Unique Operating Net Costs, Caretaker Costs, Civilian Salary Net Costs, CHAMPUS Net Costs, Military Salary Net Costs, Housing Allowance Net Costs, Mission Net Costs, Miscellaneous Recurring Net Costs, and Unique Other Net Costs minus Procurement Avoidance Savings (all described elsewhere).

### **Total Appropriations Recurring Savings**

The Total Appropriations Recurring Savings of an installation are the total of Family Housing Operations Savings, RPMA Savings, BOS Savings, Unique Operating Savings, Civilian Salary Savings, CHAMPUS Savings, Officer Salary Savings, Enlisted Salary Savings, Housing Allowance Savings, Procurement Avoidance Savings, Mission Savings, Miscellaneous Recurring Savings, and Unique Other Savings (all described elsewhere).

### **Total Appropriations Net Costs**

The Total Appropriations Net Costs for an installation are the Total Appropriations One-time Net Costs plus the Total Appropriations Recurring Net Costs (see above), or the sum of Military Construction Net Costs, Family Housing Construction Net Costs, Civilian Retirement/RIF Net Costs, Civilian Net Moving Cost, Other Operations And Maintenance Net Costs, Military Move Net Costs, Homeowners Assistance Program/Relocation Service Entitlement Costs, Environmental Net Costs, Information Management Account Costs, One-Time Other Net Costs, Land Net Costs, Family Housing Operations Net Costs, RPMA Net Costs, BOS Net Costs, Unique Operating Net Costs, Caretaker Costs, Civilian Salary Net Costs, CHAMPUS Net Costs, Military Salary Net Costs, Housing Allowance Net Costs, Mission Net Costs, Miscellaneous Recurring Net Costs, and Unique Other Net Costs minus Procurement Avoidance Savings (all described elsewhere).

### **Total Appropriations Savings**

The Total Appropriations Savings of an installation are the sum of the Total Appropriations One-Time Savings and the Total Appropriations Recurring Savings (see above), or the total of Military Construction Savings, Family Housing Construction Savings, One-Time Moving Savings, Military Move Savings, Land Sales, Environmental Savings, One-Time Other Savings, Family Housing Operations Savings, RPMA Savings, BOS Savings, Unique Operating Savings, Civilian Salary Savings, CHAMPUS Savings, Officer Salary Savings, Enlisted Salary Savings, Housing Allowance Savings, Procurement Avoidance Savings, Mission Savings, Miscellaneous Recurring Savings, and Unique Other Savings (all described elsewhere).

### **Total Caretaker Position Changes**

The Total Caretaker Position Changes is the sum of Military Caretaker Position Changes and Civilian Caretaker Position Changes from Screen 6.

**Total Civilian Early Retirements**

Total Civilian Early Retirements is the sum of Impact Realignment Early Retire and Impact Elimination Early Retire (described elsewhere).

**Total Civilian Moving One-Time Costs**

The Total Civilian Moving One-Time Costs are the sum of Civilian Per Diem Cost, Civilian Personally Owned Vehicle Mileage Cost, Civilian House Purchasing Cost, Civilian Household Goods Cost, Civilian Miscellaneous Moving Cost, Civilian House Hunting Cost, and Civilian RITA Cost (all described elsewhere).

**Total Civilian New Hires**

Total Civilian New Hires is equal to Impact Realignment Additions plus Impact Realignment Hire.

**Total Civilian Personnel Moved**

Total Civilian Personnel Moved is equal to the sum of Impact Realignment Moved Out and Impact Elimination Moved Out.

**Total Civilian Position Realignments**

Total Civilian Position Realignments is the total of all Civilian Position Realignments (Screen 3) either into or out of a Base.

**Total Civilian Priority Placements**

Total Civilian Priority Placements is equal to Impact Elimination PPS.

**Total Civilian RIFs**

Total Civilian RIFs is the sum of Impact Realignment Not Move, Impact Elimination Not Move, and Impact Elimination RIF (described elsewhere).

### **Total Eliminated Civilian Positions**

Total Eliminated Civilian Positions is the absolute value of the sum of all Civilian Scenario Position Changes where Civilian Scenario Position Changes is less than zero. Note that Civilian Scenario Position Changes (No Salary Savings) is not included in this value.

### **Total Eliminated Enlisted Positions**

Total Eliminated Enlisted Positions is the absolute value of the sum of all Enlisted Scenario Position Changes where Enlisted Scenario Position Changes is less than zero. Note that Enlisted Scenario Position Changes (No Salary Savings) is not included in this value.

### **Total Eliminated Officer Positions**

Total Eliminated Officer Positions is the absolute value of the sum of all Officer Scenario Position Changes where Officer Scenario Position Changes is less than zero. Note that Officer Scenario Position Changes (No Salary Savings) is not included in this value.

### **Total Eliminated Positions**

Total Eliminated Positions is the sum of Total Eliminated Officer Positions, Total Eliminated Enlisted Positions, and Total Eliminated Civilian Positions (see above).

### **Total Enlisted Position Realignments**

Total Enlisted Position Realignments is the total of all Enlisted Position Realignments (Screen 3) either into or out of a Base.

### **Total Force Structure Changes**

The Total Force Structure Changes is the sum of Officer Force Structure Changes, Enlisted Force Structure Changes, Civilian Force Structure Changes, and Student Force Structure Changes from Screen 6.

### **Total Freight One-Time Costs**

Total Freight One-Time Costs are the sum of Packing/ Unpacking Costs, Freight Shipping Costs, Vehicle Shipping Costs, and Vehicle Driving Costs (described elsewhere).



### **Total Military Construction Costs**

The Total Military Construction Costs is the sum for all installations of all costs identified in this manual as [MilCon]. They are: Family Housing Construction Costs, Information Management Account Costs, Land Purchases, and Military Construction Costs. This is a one-time cost with no recurring Beyond-Year value.

### **Total Military Construction Net Costs**

The Total Military Construction Net Costs is the Total Military Construction Costs minus the Total Military Construction Savings [see above], or the sum for all installations of Family Housing Construction Net Costs, Information Management Account Costs, Land Purchases, and Military Construction Net Costs. This is a one-time net cost with no recurring Beyond-Year value.

### **Total Military Construction Project Costs**

Total Military Construction Project Costs is the sum of Military Construction Costs and Family Housing Construction Costs (described elsewhere).

### **Total Military Construction Savings**

The Total Military Construction Savings is the sum for all installations of all savings identified in this manual as [MilCon]. They are: Family Housing Construction Savings and Military Construction Savings. This is a one-time savings with no recurring Beyond-Year value.

### **Total Military Moving One-Time Costs**

Total Military Moving One-Time Costs are the sum of Military Per Diem Cost, Military Personally Owned Vehicle Mileage Cost, Military Household Goods Cost, and Military Miscellaneous Moving Cost (described elsewhere).

### **Total Mission Costs**

The Total Mission Costs is the sum for all installations of Mission Costs [see Mission Costs, Savings, and Net Costs].

### **Total Mission Net Costs**

The Total Mission Net Costs is the Total Mission Costs minus the Total Mission Savings, or the sum for all installations of Mission Net Costs (see Mission Costs, Savings, and Net Costs).

### **Total Mission Savings**

The Total Mission Savings is the sum for all installations of Mission Savings [see Mission Costs, Savings, and Net Costs].

### **Total Moving Costs**

The Total Moving Costs is the sum for all installations of all costs identified in this manual as [Moving]. They are: Civilian Per Diem Cost, Civilian Personally Owned Vehicle Mileage Cost, Civilian House Purchasing Cost, Civilian Household Goods Cost, Civilian Miscellaneous Moving Cost, Civilian House Hunting Cost, Civilian Priority Placement Service Cost, Civilian RITA Cost, Packing/Unpacking Costs, Freight Shipping Costs, Vehicle Shipping Costs, Vehicle Driving Costs, One-Time Moving Costs, Military Per Diem Cost, Military Personally Owned Vehicle Mileage Cost, Military Household Goods Cost, and Military Miscellaneous Moving Cost (all described elsewhere). This is a one-time cost with no recurring Beyond-Year value.

### **Total Moving Net Costs**

The Total Moving Net Costs is the Total Moving Costs minus the Total Moving Savings, or the sum for all installations of Civilian Per Diem Cost, Civilian Personally Owned Vehicle Mileage Cost, Civilian House Purchasing Cost, Civilian Household Goods Cost, Civilian Miscellaneous Moving Cost, Civilian House Hunting Cost, Civilian Priority Placement Service Cost, Civilian RITA Cost, Packing/Unpacking Costs, Freight Shipping Costs, Vehicle Shipping Costs, Vehicle Driving Costs, One-Time Moving Costs, Military Per Diem Cost, Military Personally Owned Vehicle Mileage Cost, Military Household Goods Cost, and Military Miscellaneous Moving Cost minus the sum of One-Time Moving Savings and Military Move Savings (described elsewhere). This is a one-time net cost with no recurring Beyond-Year value.

### **Total Moving Savings**

The Total Moving Savings is the sum for all installations of all savings identified in this manual as [Moving]. They are One-Time Moving Savings and Military Move Savings (described elsewhere). This is a one-time savings with no recurring Beyond-Year value.

### **Total Officer Position Realignment**

Total Officer Position Realignment is the total of all Officer Position Realignment (Screen 3) either into or out of a Base.

### **Total Other Costs**

The Total Other Costs is the sum for all installations of all costs identified in this manual as [Other]. They are: CHAMPUS Cost (see CHAMPUS Costs, Savings, and Net Costs), Environmental Costs, Homeowner's Assistance Program/Relocation Service Entitlement Cost, and One-Time Other Costs (all described elsewhere).

Beyond-Year Total Other Cost is equal to the CHAMPUS Beyond-Year Costs (the others are all one-time costs).

### **Total Other Net Costs**

The Total Other Net Costs is the Total Other Costs minus the Total Other Savings [see above], or the sum for all installations of CHAMPUS Net Cost (see CHAMPUS Costs, Savings, and Net Costs), Environmental Net Costs, Homeowner's Assistance Program/Relocation Service Entitlement Cost, and One-Time Other Net Costs minus the sum of Land Sales and Procurement Avoidance Savings (described elsewhere).

Beyond-Year Total Other Net Costs is the CHAMPUS Beyond-Year Net Costs minus Procurement Avoidance Beyond-Year Savings (the others are all one-time costs).

### **Total Other One-Time Costs**

The Total Overhead One-Time Costs is the sum of Homeowners Assistance Program/Relocations Service Entitlement Costs, Environmental Costs, and One-Time Other Costs (described elsewhere).

### **Total Other Savings**

The Total Other Savings is the sum for all installations of all savings identified in this manual as [Other]. They are: CHAMPUS Savings (see CHAMPUS Costs, Savings, and Net Costs), Environmental Savings, Land Sales, Procurement Avoidance Savings, and One-Time Other Savings (described elsewhere).

Beyond-Year Total Other Savings is the sum of CHAMPUS Beyond-Year Savings and Procurement Avoidance Beyond-Year Savings (the others are all one-time costs).

### **Total Overhead Costs**

The Total Overhead Costs is the sum for all installations of all costs identified in this manual as [Overhead]. They are: Program Planning Costs, Mothball Costs, Family Housing Operations Costs, RPMA Costs (see RPMA Costs, Savings, and Net Costs), BOS Costs (see BOS Costs, Savings, and Net Costs), Unique Operating Costs, Caretaker Costs, Miscellaneous Recurring Costs, and Unique Other Costs (all described elsewhere).

The Beyond-Year Total Overhead Costs is the sum for all installations of the Beyond-Year Family Housing Operations Costs, RPMA Costs (see RPMA Costs, Savings, and Net Costs), BOS Costs (see BOS Costs, Savings, and Net Costs), Unique Operating Costs, Caretaker Costs, Miscellaneous Recurring Costs, and Unique Other Costs. Program Planning Costs and Mothball Costs do not have Beyond-Year values.

### **Total Overhead Net Costs**

The Total Overhead Net Costs is the Total Overhead Costs minus the Total Overhead Savings [see above], or the sum for all installations of Program Planning Costs, Mothball Costs, Family Housing Operations Net Costs, RPMA Net Costs (see RPMA Costs, Savings, and Net Costs), BOS Net Costs (see BOS Costs, Savings, and Net Costs), Unique Net Operating Costs, Caretaker Costs, Miscellaneous Recurring Net Costs, and Unique Other Net Costs (all described elsewhere).

The Beyond-Year Total Overhead Net Costs is the sum for all installations of the Beyond-Year Family Housing Operations Net Costs, RPMA Net Costs (see RPMA Costs, Savings, and Net Costs), BOS Net Costs (see BOS Costs, Savings, and Net Costs), Unique Operating Net Costs, Caretaker Costs, Miscellaneous Recurring Net Costs, and Unique Other Net Costs. Program Planning Costs and Mothball Costs do not have Beyond-Year values.

### **Total Overhead One-Time Costs**

The Total Overhead One-Time Costs is the sum of Program Planning Costs and Mothball Costs (described elsewhere).

### **Total Overhead Savings**

The Total Overhead Savings is the sum for all installations of all savings identified in this manual as [Overhead]. They are: Family Housing Operations Savings, RPMA Savings (see RPMA Costs, Savings, and Net Costs), BOS Savings (see BOS Costs, Savings, and Net Costs), Unique Operating Savings, Miscellaneous Recurring Savings, and Unique Other Savings (described elsewhere). All of these savings have Beyond-Year values.

### **Total Personnel Costs**

The Total Personnel Costs is the sum for all installations of all costs identified in this manual as [Personnel]. They are: Housing Allowance Costs (see Housing Allowance Costs, Savings, and Net Costs), Civilian New Hire Costs, Civilian Retirement Costs, Civilian RIF Costs, Military Eliminated PCS Costs, Civilian Unemployment Costs, Officer Salary Costs, Enlisted Salary Costs, and Civilian Salary Costs (all described elsewhere).

The Total Personnel Costs for the Beyond Years is the sum for all installations of Beyond-Year Housing Allowance Costs, Officer Salary Costs, Enlisted Salary Costs, and Civilian Salary Costs. All other costs are one-time costs.

### **Total Personnel Net Costs**

The Total Personnel Net Costs is the Total Personnel Costs minus the Total Personnel Savings [see above], or the sum for all installations of Housing Allowance Net Costs (see Housing Allowance Costs, Savings, and Net Costs), Civilian New Hire Costs, Civilian Retirement/RIF Net Costs, Military Eliminated PCS Costs, Civilian Unemployment Costs, Military Salary Net Costs, and Civilian Salary Net Costs (all described elsewhere).

The Total Personnel Net Costs for the Beyond Years is the sum for all installations of Beyond-Year Housing Allowance Net Costs, Military Salary Net Costs, and Civilian Salary Net Costs. All other net costs are one-time net costs.

### **Total Personnel One-Time Costs**

The Total Personnel Costs is the sum of all one-time costs identified in this manual as [Personnel]. They are: Civilian New Hire Costs, Civilian Retirement Costs, Civilian RIF Costs, Military Eliminated PCS Costs, and Civilian Unemployment Costs (all described elsewhere).

### **Total Personnel Realigned**

Total Personnel Realigned is the total of all Officer Position Realignments, Enlisted Position Realignments, Civilian Position Realignments, and Student Position Realignments either into or out of a base (Screen 3).

### **Total Personnel Realigned/Eliminated**

Total Personnel Realigned/Eliminated is the total of all Officer Position Realignments, Enlisted Position Realignments, Civilian Position Realignments, and Student Position Realignments out of a base (on Screen 3) plus the absolute value of the sum of all Officer Scenario Position Changes, Enlisted Scenario Position Changes, Civilian Scenario Position Changes, Officer Scenario Position Changes (No Salary Savings), Enlisted Scenario Position Changes (No Salary Savings), and Civilian Scenario Position Changes (No Salary Savings) (on Screen 6) where the Position Changes are less than zero.

### **Total Personnel Savings**

The Total Personnel Savings is the sum for all installations of all savings identified in this manual as [Personnel]. They are: Housing Allowance Savings (see Housing Allowance Costs, Savings, and Net Costs), Officer Salary Costs, Enlisted Salary Costs, and Civilian Salary Costs (described elsewhere). All of these savings have Beyond-Year values.

### **Total Realigned Civilian Positions**

Total Realigned Civilian Positions is the sum of all Civilian Positions Realigned fields (Screen 3) for all base pairs.

### **Total Realigned Enlisted Positions**

Total Realigned Enlisted Positions is the sum of all Enlisted Positions Realigned fields (Screen 3) for all base pairs.

### **Total Realigned Officer Positions**

Total Realigned Officer Positions is the sum of all Officer Positions Realigned fields (Screen 3) for all base pairs.

### **Total Realigned Positions**

Total Realigned Positions is the sum of Total Realigned Officer Positions, Total Realigned Enlisted Positions, Total Realigned Student Positions, and Total Realigned Civilian Positions.

### **Total Realigned Student Positions**

Total Realigned Student Positions is the sum of all Student Positions Realigned fields (Screen 3) for all base pairs.

### **Total Realignment Costs**

The Total Realignment Costs is the sum of Total Military Construction Costs, Total Personnel Costs, Total Overhead Costs, Total Moving Costs, Total Mission Costs, and Total Other Costs. This will be equal to Total Appropriations Costs (all described elsewhere).

### **Total Realignment Net Costs**

The Total Realignment Net Costs is the Total Realignment Costs minus the Total Realignment Savings, or the sum of Total Military Construction Net Costs, Total Personnel Net Costs, Total Overhead Net Costs, Total Moving Net Costs, Total Mission Net Costs, and Total Other Net Costs. This will be equal to Total Appropriations Net Costs (all described elsewhere).

### **Total Realignment Savings**

The Total Realignment Savings is the sum of Total Military Construction Savings, Total Personnel Savings, Total Overhead Savings, Total Moving Savings, Total Mission Savings, and Total Other Savings. This will be equal to Total Appropriations Savings (all described elsewhere).

### **Total RPMABOS Net Costs**

Total RPMABOS Net Costs are the total of RPMA Net Costs (see RPMA Costs, Savings, and Net Costs), BOS Net Costs (see BOS Costs, Savings, and Net Costs), and Family Housing Operations Net Costs (described elsewhere).

### **Total Scenario Position Changes**

The Total Scenario Position Changes is the sum of Officer Scenario Position Changes, Enlisted Scenario Position Changes, Civilian Scenario Position Changes, and Student Scenario Position Changes from Screen 6.

### **Total Scenario Position Changes (No Salary Savings)**

The Total Scenario Position Changes (No Salary Savings) is the sum of Officer Scenario Position Changes (No Salary Savings), Enlisted Scenario Position Changes (No Salary Savings), Civilian Scenario Position Changes (No Salary Savings), and Student Scenario Position Changes (No Salary Savings) from Screen 6.

### **Total Student Position Realignments**

Total Student Position Realignments is the total of all Student Position Realignments (Screen 3) either into or out of a Base.

### **Unique Operating Costs [Overhead]**

The Unique Operating Costs for an installation is the Unique Operating Cost entered on Screen 8 for Unique installations (installations are designated Unique or non-Unique on Screen 4).

### **Unique Operating Net Costs [Overhead]**

The Unique Operating Net Costs for an installation is the Unique Operating Costs minus the Unique Operating Savings [see above]. Non-Unique installations have zero Unique Operating Costs and Savings (installations are designated Unique or non-Unique on Screen 4).

### **Unique Operating Savings [Overhead]**

The Unique Operating Savings for an installation is the Unique Operating Save entered on Screen 8 for Unique installations (installations are designated Unique or non-Unique on Screen 4).



### Unique Other Costs [Overhead]

The Unique Other Costs for an installation is the Unique Other Cost entered on Screen 8 for Unique installations (installations are designated Unique or non-Unique on Screen 4).

### Unique Other Net Costs [Overhead]

The Unique Other Net Costs for an installation is the Unique Other Costs minus the Unique Other Savings [see above]. Non-Unique installations have zero Unique Other Costs and Savings (installations are designated Unique or non-Unique on Screen 4).

### Unique Other Savings [Overhead]

The Unique Other Savings for an installation is the Unique Other Save entered on Screen 8 for Unique installations (installations are designated Unique or non-Unique on Screen 4).

### Vehicle Driving Costs [Moving]

The Vehicle Driving Costs for Unique installations (defined on Data Screen 4) are taken directly from Data Screen 8.

The Vehicle Driving Costs for Army scenarios (Department is defined on Screen 1) is always zero (the Army ships all vehicles; see Vehicle Shipping Costs below).

The Vehicle Driving Costs for non-Army scenarios is the number of Military Light Vehicles (from Screen 3) times the Light Vehicle Cost Per Mile (from Standard Factors Screen 3) times the Distance Between Bases (from Screen 2).

Since distances vary, Vehicle Driving Cost is calculated separately for each receiving base, then added together. Note that Army enters number of tons of vehicles, where the other departments enter number of vehicles.

## Vehicle Shipping Costs [Moving]

The Vehicle Shipping Costs for Unique installations (defined on Data Screen 4) are taken directly from Data Screen 8.

The Vehicle Shipping Costs for Army scenarios (Department is defined on Screen 1) are the Total Vehicles Moved (Military Light Vehicles and Heavy/Special Vehicles, entered on Screen 3) times the Heavy Vehicle Cost Per Mile (Standard Factor Screen 3) times the Distance Between Bases (Screen 2).

The Vehicle Shipping costs for non-Army scenarios is the Heavy/Special Vehicles times the Heavy Vehicle Cost Per Mile times the Distance Between Bases.

Since distances vary, Vehicle Shipping Cost is calculated separately for each receiving base, then added together. Note that Army enters number of tons of vehicles, where the other departments enter number of vehicles.

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## ROME LAB MANPOWER PROJECTION

	<u>OFF</u>	<u>AMN</u>	<u>CIV</u>	<u>TOTAL</u>
ROME LAB	83	26	681	790
BOS TAIL (from BRAC 93)	2	50	34	86
direct support (fabrication)			36	36
stand alone security		<u>21</u>		
total	85	97	751	933

direct support: identified by AFMC as manpower in ACC providing direct fabrication and material support to Rome Lab that should transfer to Rome Lab

stand alone security: 21 spaces identified by AFMC as cost for Rome Lab to provide its own security

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P. 05

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**Department of the Air Force Scenario Development Data Call Tasking**

2. Other Costs/Savings Associated with the Scenario. Use the following table to identify any other one-time or recurring costs/savings associated with this transfer. Please also provide a brief description/ explanation of any costs/savings identified.

Accepting Base:	1996	1997	1998	1999	2000	2001	Total
a. One-Time Unique Costs		\$1.4M*					\$1.4M*
b. One-Time Unique Savings							
c. Environ. Mitigation							
d. Misc. Recurring Costs							
e. Misc. Recurring Savings							
f. Land Purchases							

\* Precision Wire 869K; Telephone Switch Upgrade 80K; Outside Cable Plant 490K  
 f. Recurring Base Military Construction Cost Data. Identify any construction requirements associated with this transfer. If any costs are provided for standard categories of construction, show those costs in the Comments column.

Category (List)	New Construction Requirement	Rehabilitation Requirement *	Comments *
Horizontal (SY)			
Berthing (Waterfront) (FB)			
Air Mater (Air Ops) (SF)			
Other Operations (SF)			
Administrative (SF)		\$1,900,000	\$20/SF X 95,000 SF
Training (School Bldg) (SF)			
Maintenance (SF)			
Becker Owners (SF)			
Family Housing (Units)			
Supply Storage (SF)			
Dining Facilities (SF)			
Per. Supp (Recreation) (SF)			
Communications (SF)			
Utilities (SF)			
Light Lab Facility (SF)		\$720,000	\$20/SF X 36,000 SF
Medium Lab Facility (SF)		\$2,640,000	\$40/SF X 66,000 SF
Heavy Lab Facility (SF)		\$276,000	\$10/SF X 27,600 SF
Light SCIF (SF)		\$920,000	\$35/SF X 26,000 SF
Heavy SCIF (SF)		\$1,595,000	\$55/SF X 29,000 SF
POL Storage (BL)			
Ammo Storage (SF)			
Medical Facilities (SF)			
Environmental (S)			
Other: * REFERENCE CECOM CERTIFICATION MEMO, 13 JAN 95 AND HQ AMC CERTIFICATION MEMO, 11 JAN 95, COST ESTIMATES FOR UNIQUE EQMT REHAB COULD BE SIGNIFICANTLY REDUCED BY SHARING WITH SAME EQUIPMENT ALREADY LOCATED AT FORT MOUTH! THESE ESTIMATES ARE COSTED USING AIR FORCE SF REQUIREMENTS AS STATED WITHOUT SHARING OPTIONS DUE TO COLLOCATION, AIR FORCE CONTROL: <u>AF-10</u>			

Encl 2

**FOR OFFICIAL USE ONLY**

29 Dec 94

MEMORANDUM FOR HQ USAF/RTR

SUBJECT: One Time Movement Costs - Rome Lab West


FROM: HQ USAF/XP  
4375 Chidlaw Rd/ Suite 6  
Wright-Patterson AFB OH 45433-5006

1. The following equipment move to the new location if Rome Lab West is relocated. This is based on the assumption that only the equipment at Rome Lab will move and that the equipment at the test areas will stay.

<u>Item</u>	<u>Total Cost</u>
Cryogenic Chamber	\$1,630.000K
Large Anechoic Chamber	\$2,450.000K
RF Shielded Enclosure	\$1,375.000K
<u>Small Anechoic Chamber</u>	<u>\$1,368.000K</u>
Total One Time Moving Cost	\$6,823.000K


2. Point of contact is myself at DSN 787-2622.

I certify this data is accurate to the best of my knowledge and belief.

  
DENNIS M. PIPER, Major, USAF  
Senior Logistics Analyst  
HQ AFMC/XPX, DSN 787-2622

1 Atch  
BRAC '95 USAF Base Questionnaire, Section IV/V, Part B

I certify this data is accurate to the best of my knowledge and belief.

  
TERRY L. BALVEN, Colonel, USAF  
Chief, Plans and Programs Integration  
Directorate of Plans  
HQ AFMC/XP, DSN 787-7100

# FACILITIES DEFINITIONS

## ENGINEERING SUPPORT SPACE

- AFM 86-2, CHAPTER 13
- COMPRISES OF THREE TYPES OF FLOOR SPACE
  - NET OFFICE AREA (USABLE AREA FOR DESK AND PERSONAL WORK FILES, ETC., PER EACH BUILDING OCCUPANT)
  - ADMIN SUPPORT SPACE (TYPICAL ADMIN ROOMS SUCH AS AREAS FOR CENTRAL FILES, CONFERENCES, STORAGE, MAIL HANDLING, AND REPRODUCTION)
  - SPECIAL PURPOSE SPACE (SUCH AS SMALL AUDITORIUMS, DRAFTING ROOMS, ELECTRONIC DATA PROCESSING EQUIPMENT, AND HOLDING SPACE FOR CONTRACT MAINTENANCE EQUIPMENT)
- 162 SF MAX RECOMMENDED FOR SUM OF NET OFFICE AREA AND ADMIN SUPPORT SPACE

# FACILITIES DEFINITIONS

## LIGHT LABORATORY

REQUIRES MODEST INCREASE IN POWER OR AIR CONDITIONING OVER ENGINEERING SUPPORT SPACE. IT MAY BE COMPRISED OF WORK AREAS WITH SEVERAL PERSONAL COMPUTERS OR WORKSTATIONS AND NETWORK EQUIPMENT.

## MEDIUM LABORATORY

REQUIRES SUBSTANTIAL INCREASE IN POWER, AIR CONDITIONING AND/ OR PLUMBING, CHEMICALS, VOLATILE OR TOXIC GASES (SUCH AS A TYPICAL EDUCATIONAL CHEMISTRY LABORATORY) OVER ENGINEERING SUPPORT SPACE.

REV-21-1995 15:59 PRINT CONTROL SECTION 10 SECTION 11-03/05



# ~~INPUT SCREEN 7 - MILCON BASE INFO~~

## HEAVY LABORATORY

REQUIRES SIGNIFICANT CONSUMPTION OF POWER, AIR CONDITIONING AND/ OR HOODS/SPECIAL VENTILATION FOR TOXIC/EXPLOSIVE GASES, AND/ OR SPECIAL STRUCTURES FOR FRANGIBLE ROOFS/DOORS, HEAVY FLOORS AND WALLS, AND BRIDGE CRANES.

## UNIQUE FACILITIES

FACILITIES THAT ARE DIFFICULT TO CATAGORIZE AS LIGHT/MEDIUM /HEAVY LABORATORIES OR LIGHT/MEDIUM SCIFs

REV-01-1995 15:59 FROM UNINH SECTION TO 8-22-1997 P.04/05

-72

# FACILITIES DEFINITIONS

## LIGHT SCIF

ADMINISTRATIVE OR STORAGE AREAS REQUIRING A SECRET/  
COLLATERAL VAULTED ENCLOSURE

## HEAVY SCIF

AREAS REQUIRING EITHER SPECIAL COMPARTMENTED  
INFORMATION OR LARGE POWER, RED/BLACK POWER FILTERS, AND/  
OR LARGE AIR CONDITIONING, AND/ OR RAISED COMPUTER FLOOR  
FOR A VAULTED LABORATORY ENVIRONMENT.

Department : Air Force  
 Option Package : Rome to Hanscom  
 Scenario File : C:\COBRA\LABS\INTRA-AF\ROME\RL-HNGEO.CBR  
 Std Fctrs File : C:\COBRA\DEPOTFIN.SFF

Starting Year : 1996  
 Final Year : 1999  
 ROI Year : 2003 (4 Years)

NPV in 2015(\$K): -103,781  
 1-Time Cost(\$K): 57,710

	Net Costs (\$K) Constant Dollars						Total	Beyond
	1996	1997	1998	1999	2000	2001		
MilCon	5,364	6,705	6,705	8,046	0	0	26,820	0
Person	-136	-144	-617	-621	-2,910	-2,910	-7,338	-2,910
Overhd	365	-574	-2,899	-4,894	-9,557	-9,557	-27,117	-9,557
Moving	399	5,129	6,368	13,387	0	0	25,282	0
Missio	0	0	0	0	0	0	0	0
Other	40	359	381	736	0	0	1,517	0
<b>TOTAL</b>	<b>6,032</b>	<b>11,474</b>	<b>9,937</b>	<b>18,654</b>	<b>-12,467</b>	<b>-12,467</b>	<b>19,163</b>	<b>-12,467</b>

	1996	1997	1998	1999	2000	2001	Total
<b>POSITIONS ELIMINATED</b>							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Civ	6	13	19	26	0	0	64
TOT	6	13	19	26	0	0	64

	1996	1997	1998	1999	2000	2001	Total
<b>POSITIONS REALIGNED</b>							
Off	0	1	2	7	0	0	10
Enl	0	0	0	0	0	0	0
Stu	0	0	0	0	0	0	0
Civ	0	127	214	518	0	0	859
TOT	0	128	216	525	0	0	869

Summary:

-----  
 Closure of Rome lab in four years. New move cost of \$6.823M vice \$15.7M  
 PL- Hanscom GEO phy Red in place (use available space to house RL)  
 ASSUMPTIONS: Reflects PE 12/15 - civilianization of Rome.  
 1- time unique costs are civilian leave only  
 MILCON is refurb at Hanscom -1/19/95 CE Estimate  
 RPMA/BOS derived from AFMC estimate.  
 Account for civilianization through force structure changes  
 LPF Transportation Costs

Department : Air Force  
 Option Package : Rome to Hanscom  
 Scenario File : C:\COBRA\LABS\INTRA-AF\ROME\RL-HNGEO.CBR  
 Std Fctrs File : C:\COBRA\DEPOTFIN.SFF

Costs (\$K)	Constant Dollars						Total	Beyond
	1996	1997	1998	1999	2000	2001		
MilCon	5,364	6,705	6,705	8,046	0	0	26,820	0
Person	4	447	736	1,780	98	98	3,164	98
Overhd	378	725	1,319	2,719	2,484	2,484	10,109	2,484
Moving	399	5,130	6,371	13,398	0	0	25,298	0
Missio	0	0	0	0	0	0	0	0
Other	40	359	381	736	0	0	1,517	0
<b>TOTAL</b>	<b>6,186</b>	<b>13,366</b>	<b>15,511</b>	<b>26,679</b>	<b>2,582</b>	<b>2,582</b>	<b>66,907</b>	<b>2,582</b>

Savings (\$K)	Constant Dollars						Total	Beyond
	1996	1997	1998	1999	2000	2001		
MilCon	0	0	0	0	0	0	0	0
Person	140	591	1,352	2,402	3,008	3,008	10,502	3,008
Overhd	13	1,299	4,218	7,613	12,041	12,041	37,226	12,041
Moving	0	1	3	11	0	0	16	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>153</b>	<b>1,892</b>	<b>5,574</b>	<b>10,026</b>	<b>15,049</b>	<b>15,049</b>	<b>47,744</b>	<b>15,049</b>

Department : Air Force  
 Option Package : Rome to Hanscom  
 Scenario File : C:\COBRA\LABS\INTRA-AF\ROME\RL-HNGEO.CBR  
 Std Fctrs File : C:\COBRA\DEPOTFIN.SFF

(All values in Dollars)

Category	Cost	Sub-Total
-----	----	-----
<b>Construction</b>		
Military Construction	26,820,000	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
<b>Total - Construction</b>		26,820,000
<b>Personnel</b>		
Civilian RIF	1,018,661	
Civilian Early Retirement	390,393	
Civilian New Hires	1,236,000	
Eliminated Military PCS	0	
Unemployment	175,392	
<b>Total - Personnel</b>		2,820,447
<b>Overhead</b>		
Program Planning Support	1,034,394	
Mothball / Shutdown	221,250	
<b>Total - Overhead</b>		1,255,644
<b>Moving</b>		
Civilian Moving	17,695,354	
Civilian PPS	576,000	
Military Moving	53,985	
Freight	149,291	
One-Time Moving Costs	6,823,000	
<b>Total - Moving</b>		25,297,630
<b>Other</b>		
HAP / RSE	859,732	
Environmental Mitigation Costs	0	
One-Time Unique Costs	657,000	
<b>Total - Other</b>		1,516,732
<b>Total One-Time Costs</b>		<b>57,710,453</b>
-----		
<b>One-Time Savings</b>		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	15,700	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
<b>Total One-Time Savings</b>		<b>15,700</b>
-----		
<b>Total Net One-Time Costs</b>		<b>57,694,753</b>

Department : Air Force  
 Option Package : Rome to Hanscom  
 Scenario File : C:\COBRA\LABS\INTRA-AF\ROME\RL-HNGEO.CBR  
 Std Fctrs File : C:\COBRA\DEPOTFIN.SFF

Base: HANSCOM, MA  
 (All values in Dollars)

Category	Cost	Sub-Total
-----	----	-----
<b>Construction</b>		
Military Construction	26,820,000	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
<b>Total - Construction</b>		26,820,000
<b>Personnel</b>		
Civilian RIF	0	
Civilian Early Retirement	0	
Civilian New Hires	1,236,000	
Eliminated Military PCS	0	
Unemployment	0	
<b>Total - Personnel</b>		1,236,000
<b>Overhead</b>		
Program Planning Support	0	
Mothball / Shutdown	0	
<b>Total - Overhead</b>		0
<b>Moving</b>		
Civilian Moving	0	
Civilian PPS	0	
Military Moving	0	
Freight	0	
One-Time Moving Costs	0	
<b>Total - Moving</b>		0
<b>Other</b>		
HAP / RSE	0	
Environmental Mitigation Costs	0	
One-Time Unique Costs	0	
<b>Total - Other</b>		0
-----		
<b>Total One-Time Costs</b>		28,056,000
-----		
<b>One-Time Savings</b>		
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	
-----		
<b>Total One-Time Savings</b>		0
-----		
<b>Total Net One-Time Costs</b>		28,056,000

Department : Air Force  
 Option Package : Rome to Hanscom  
 Scenario File : C:\COBRA\LABS\INTRA-AF\ROME\RL-HNGEO.CBR  
 Std Fctrs File : C:\COBRA\DEPOTFIN.SFF

Base: ROME LAB, NY  
 (All values in Dollars)

Category	Cost	Sub-Total
-----	----	-----
<b>Construction</b>		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
<b>Total - Construction</b>		<b>0</b>
<b>Personnel</b>		
Civilian RIF	1,018,661	
Civilian Early Retirement	390,393	
Civilian New Hires	0	
Eliminated Military PCS	0	
Unemployment	175,392	
<b>Total - Personnel</b>		<b>1,584,447</b>
<b>Overhead</b>		
Program Planning Support	1,034,394	
Mothball / Shutdown	221,250	
<b>Total - Overhead</b>		<b>1,255,644</b>
<b>Moving</b>		
Civilian Moving	17,695,354	
Civilian PPS	576,000	
Military Moving	53,985	
Freight	149,291	
One-Time Moving Costs	6,823,000	
<b>Total - Moving</b>		<b>25,297,630</b>
<b>Other</b>		
HAP / RSE	859,732	
Environmental Mitigation Costs	0	
One-Time Unique Costs	657,000	
<b>Total - Other</b>		<b>1,516,732</b>
<b>Total One-Time Costs</b>		<b>29,654,453</b>
-----		
<b>One-Time Savings</b>		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	15,700	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
<b>Total One-Time Savings</b>		<b>15,700</b>
-----		
<b>Total Net One-Time Costs</b>		<b>29,638,753</b>

Department : Air Force  
Option Package : Rome to Hanscom  
Scenario File : C:\COBRA\LABS\INTRA-AF\ROME\RL-HNGEO.CBR  
Std Fctrs File : C:\COBRA\DEPOTFIN.SFF

All Costs in \$K

Base Name	Total MilCon	IMA Cost	Land Purch	Cost Avoid	Total Cost
-----	-----	-----	-----	-----	-----
HANSCOM	26,820	0	0	0	26,820
ROME LAB	0	0	0	0	0
-----	-----	-----	-----	-----	-----
Totals:	26,820	0	0	0	26,820



Department : Air Force  
 Option Package : Rome to Hanscom  
 Scenario File : C:\COBRA\LABS\INTRA-AF\ROME\RL-HNGEO.CBR  
 Std Fctrs File : C:\COBRA\DEPOTFIN.SFF

MilCon for Base: HANSCOM, MA

All Costs in \$K

Description:	MilCon Categ	Using Rehab	Rehab Cost*	New MilCon	New Cost*	Total Cost*
CE MILCON	OTHER	0	n/a	61,752	n/a	26,820

-----  
 Total Construction Cost: 26,820  
 + Info Management Account: 0  
 + Land Purchases: 0  
 - Construction Cost Avoid: 0  
 -----

TOTAL: 26,820

\* All MilCon Costs include Design, Site Preparation, Contingency Planning, and SIOH Costs where applicable.

Department : Air Force  
 Option Package : Rome to Hanscom  
 Scenario File : C:\COBRA\LABS\INTRA-AF\ROME\RL-HNGEO.CBR  
 Std Fctrs File : C:\COBRA\DEPOTFIN.SFF

INPUT SCREEN ONE - GENERAL SCENARIO INFORMATION

Model Year One : FY 1996

Model does Time-Phasing of Construction/Shutdown: No

Base Name	Strategy:
-----	-----
HANSCOM, MA	Realignment
ROME LAB, NY	Closes in FY 1999

Summary:

-----  
 Closure of Rome lab in four years. New move cost of \$6.823M vice \$15.7M  
 PL- Hanscom GEO phy Red in place (use available space to house RL)  
 ASSUMPTIONS: Reflects PE 12/15 - civilianization of Rome.  
 1- time unique costs are civilian leave only  
 MILCON is refurb at Hanscom -1/19/95 CE Estimate  
 RPMA/BOS derived from AFMC estimate.  
 Account for civilianization through force structure changes  
 LPF Transportation Costs

INPUT SCREEN TWO - DISTANCE TABLE

From Base:	To Base:	Distance:
-----	-----	-----
HANSCOM, MA	ROME LAB, NY	276 mi

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from ROME LAB, NY to HANSCOM, MA

	1996	1997	1998	1999	2000	2001
	----	----	----	----	----	----
Officer Positions:	0	1	2	7	0	0
Enlisted Positions:	0	0	0	0	0	0
Civilian Positions:	0	127	214	518	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	8	13	32	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: HANSCOM, MA

Total Officer Employees:	852	RPMA Non-Payroll (\$K/Year):	6,164
Total Enlisted Employees:	872	Communications (\$K/Year):	3,704
Total Student Employees:	0	BOS Non-Payroll (\$K/Year):	18,161
Total Civilian Employees:	2,354	BOS Payroll (\$K/Year):	0
Mil Families Living On Base:	59.0%	Family Housing (\$K/Year):	8,996
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.29
Officer Housing Units Avail:	0	CHAMPUS In-Pat (\$/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat (\$/Visit):	0
Total Base Facilities(KSF):	4,425	CHAMPUS Shift to Medicare:	20.9%
Officer VHA (\$/Month):	432	Activity Code:	36
Enlisted VHA (\$/Month):	303		
Per Diem Rate (\$/Day):	139	Homeowner Assistance Program:	Yes
Freight Cost (\$/Ton/Mile):	0.07	Unique Activity Information:	No

Department : Air Force  
 Option Package : Rome to Hanscom  
 Scenario File : C:\COBRA\LABS\INTRA-AF\ROME\RL-HNGEO.CBR  
 Std Fctrs File : C:\COBRA\DEPOTFIN.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: ROME LAB, NY

Total Officer Employees:	84	RPMA Non-Payroll (\$K/Year):	8,136
Total Enlisted Employees:	46	Communications (\$K/Year):	120
Total Student Employees:	0	BOS Non-Payroll (\$K/Year):	3,714
Total Civilian Employees:	786	BOS Payroll (\$K/Year):	0
Mil Families Living On Base:	0.0%	Family Housing (\$K/Year):	0
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.10
Officer Housing Units Avail:	0	CHAMPUS In-Pat (\$/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat (\$/Visit):	0
Total Base Facilities(KSF):	177	CHAMPUS Shift to Medicare:	20.9%
Officer VHA (\$/Month):	57	Activity Code:	44
Enlisted VHA (\$/Month):	86		
Per Diem Rate (\$/Day):	66	Homeowner Assistance Program:	Yes
Freight Cost (\$/Ton/Mile):	0.07	Unique Activity Information:	No

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: HANSCOM, MA

	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(%):	20%	25%	25%	30%	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					0.0%
						Perc Family Housing ShutDown:

Name: ROME LAB, NY

	1996	1997	1998	1999	2000	2001
	----	----	----	----	----	----
1-Time Unique Cost (\$K):	35	229	164	229	0	0
1-Time Unique Save (\$K):	0	0	0	0	0	0
1-Time Moving Cost (\$K):	341	2,382	1,710	2,390	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 (%):	0%	33%	33%	34%	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):	177					100.0%
						Perc Family Housing ShutDown:

Department : Air Force  
 Option Package : Rome to Hanscom  
 Scenario File : C:\COBRA\LABS\INTRA-AF\ROME\RL-HNGEO.CBR  
 Std Fctrs File : C:\COBRA\DEPOTFIN.SFF

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: ROME LAB, NY

	1996	1997	1998	1999	2000	2001
Off Force Struc Change:	-7	-15	-22	-30	0	0
Enl Force Struc Change:	-5	-9	-14	-18	0	0
Civ Force Struc Change:	14	27	41	55	0	0
Stu Force Struc Change:	0	0	0	0	0	0
Off Scenario Change:	0	0	0	0	0	0
Enl Scenario Change:	0	0	0	0	0	0
Civ Scenario Change:	-6	-13	-19	-26	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: HANSCOM, MA

Description	Categ	New MilCon	Rehab MilCon	Total Cost(\$K)
CE MILCON	OTHER	61,752	0	26,820

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(\$):	4,000.00
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: 2.20%	1998: 2.60%	1999: 2.80%
			2000: 2.80%
			2001: 2.90%

Department : Air Force  
 Option Package : Rome to Hanscom  
 Scenario File : C:\COBRA\LABS\INTRA-AF\ROME\RL-HNGEO.CBR  
 Std Fctrs File : C:\COBRA\DEPOTFIN.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
Shipyards Maintenance	(SF)	0	Optional Category N	( )	0
RDY & 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			



Rome La .is (Geo Red)

MILCON construction	61,932	26,820	Per AF/CEP cost estimate 1/19/94									
<i>Note -- Does not include cost of any Rome satellites closing</i>												

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Department : Air Force  
 Option Package : Rome Lab to Ft Mnmth  
 Scenario File : C:\COBRA\LABS\JCSG\RL-MNM.CBR  
 Std Fctrs File : C:\COBRA\DEPOTFIN.SFF

Starting Year : 1996  
 Final Year : 1999  
 ROI Year : 2003 (4 Years)

NPV in 2015(\$K): -82,851  
 1-Time Cost(\$K): 45,997

Net Costs (\$K) Constant Dollars	1996		1997		1998		1999		2000		2001		Total	Beyond
	1996	1997	1997	1998	1998	1999	1999	2000	2000	2001	2001			
MilCon	2,980	3,725	3,725	4,470	0	0	14,900	0	14,900	0	0	14,900	0	
Person	0	-180	-595	523	-1,207	-1,207	-2,666	-1,207	-2,666	-1,207	-1,207	-2,666	-1,207	
Overhd	378	-483	-2,624	-3,945	-8,713	-8,713	-24,100	-8,713	-24,100	-8,713	-8,713	-24,100	-8,713	
Moving	341	5,084	5,793	12,978	0	0	24,196	0	24,196	0	0	24,196	0	
Missio	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other	0	398	627	1,740	0	0	2,765	0	2,765	0	0	2,765	0	
<b>TOTAL</b>	<b>3,699</b>	<b>8,544</b>	<b>6,925</b>	<b>15,766</b>	<b>-9,920</b>	<b>-9,920</b>	<b>15,095</b>	<b>-9,920</b>	<b>-9,920</b>	<b>-9,920</b>	<b>-9,920</b>	<b>15,095</b>	<b>-9,920</b>	

	1996	1997	1998	1999	2000	2001	Total
<b>POSITIONS ELIMINATED</b>							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Civ	0	28	0	0	0	0	28
<b>TOT</b>	<b>0</b>	<b>28</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>28</b>

	1996	1997	1998	1999	2000	2001	Total
<b>POSITIONS REALIGNED</b>							
Off	0	1	2	7	0	0	10
Enl	0	0	0	0	0	0	0
Stu	0	0	0	0	0	0	0
Civ	0	127	214	554	0	0	895
<b>TOT</b>	<b>0</b>	<b>128</b>	<b>216</b>	<b>561</b>	<b>0</b>	<b>0</b>	<b>905</b>

Summary:

-----  
 Closure of Rome lab in four years and move to Ft Monmouth.

Screen 4 data is from Army response  
 MILCON numbers modified (lowered) to reflect current RL requirement  
 Other assumptions similar to AF run  
 Distance assumed to be 50 miles past Newark



Department : Air Force  
 Option Package : Rome Lab to Ft Mnmth  
 Scenario File : C:\COBRA\LABS\JCSG\RL-MNM.CBR  
 Std Fctrs File : C:\COBRA\DEPOTFIN.SFF

	Costs (\$K) Constant Dollars						Total	Beyond
	1996	1997	1998	1999	2000	2001		
MilCon	2,980	3,725	3,725	4,470	0	0	14,900	0
Person	0	473	710	1,829	99	99	3,210	99
Overhd	378	837	1,569	3,563	3,328	3,328	13,004	3,328
Moving	341	5,086	5,796	12,989	0	0	24,212	0
Missio	0	0	0	0	0	0	0	0
Other	0	398	627	1,740	0	0	2,765	0
<b>TOTAL</b>	<b>3,699</b>	<b>10,518</b>	<b>12,428</b>	<b>24,591</b>	<b>3,427</b>	<b>3,427</b>	<b>58,091</b>	<b>3,427</b>

	Savings (\$K) Constant Dollars						Total	Beyond
	1996	1997	1998	1999	2000	2001		
MilCon	0	0	0	0	0	0	0	0
Person	0	653	1,306	1,306	1,306	1,306	5,877	1,306
Overhd	0	1,320	4,193	7,508	12,041	12,041	37,104	12,041
Moving	0	1	3	11	0	0	16	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>0</b>	<b>1,974</b>	<b>5,502</b>	<b>8,825</b>	<b>13,347</b>	<b>13,347</b>	<b>42,996</b>	<b>13,347</b>

Department : Air Force  
 Option Package : Rome Lab to Ft Mmth  
 Scenario File : C:\COBRA\LABS\JCSG\RL-MNM.CBR  
 Std Fctrs File : C:\COBRA\DEPOTFIN.SFF

(All values in Dollars)

Category	Cost	Sub-Total
<b>Construction</b>		
Military Construction	14,900,000	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
<b>Total - Construction</b>		<b>14,900,000</b>
<b>Personnel</b>		
Civilian RIF	1,018,661	
Civilian Early Retirement	386,196	
Civilian New Hires	1,284,000	
Eliminated Military PCS	0	
Unemployment	175,392	
<b>Total - Personnel</b>		<b>2,864,249</b>
<b>Overhead</b>		
Program Planning Support	1,034,394	
Mothball / Shutdown	221,250	
<b>Total - Overhead</b>		<b>1,255,644</b>
<b>Moving</b>		
Civilian Moving	16,920,850	
Civilian PPS	259,200	
Military Moving	53,701	
Freight	155,419	
One-Time Moving Costs	6,823,000	
<b>Total - Moving</b>		<b>24,212,170</b>
<b>Other</b>		
HAP / RSE	859,732	
Environmental Mitigation Costs	0	
One-Time Unique Costs	1,905,000	
<b>Total - Other</b>		<b>2,764,732</b>
<b>Total One-Time Costs</b>		<b>45,996,796</b>
<b>One-Time Savings</b>		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	15,700	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
<b>Total One-Time Savings</b>		<b>15,700</b>
<b>Total Net One-Time Costs</b>		<b>45,981,096</b>

Department : Air Force  
 Option Package : Rome Lab to Ft Mnmth  
 Scenario File : C:\COBRA\LABS\JCSG\RL-MNM.CBR  
 Std Fctrs File : C:\COBRA\DEPOTFIN.SFF

Base: FT MONMOUTH, NJ  
 (All values in Dollars)

Category	Cost	Sub-Total
-----	----	-----
<b>Construction</b>		
Military Construction	14,900,000	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
<b>Total - Construction</b>		14,900,000
<b>Personnel</b>		
Civilian RIF	0	
Civilian Early Retirement	0	
Civilian New Hires	1,284,000	
Eliminated Military PCS	0	
Unemployment	0	
<b>Total - Personnel</b>		1,284,000
<b>Overhead</b>		
Program Planning Support	0	
Mothball / Shutdown	0	
<b>Total - Overhead</b>		0
<b>Moving</b>		
Civilian Moving	0	
Civilian PPS	0	
Military Moving	0	
Freight	0	
One-Time Moving Costs	0	
<b>Total - Moving</b>		0
<b>Other</b>		
HAP / RSE	0	
Environmental Mitigation Costs	0	
One-Time Unique Costs	0	
<b>Total - Other</b>		0
<b>Total One-Time Costs</b>		<b>16,184,000</b>
-----		
<b>One-Time Savings</b>		
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	
<b>Total One-Time Savings</b>		<b>0</b>
-----		
<b>Total Net One-Time Costs</b>		<b>16,184,000</b>

Department : Air Force  
 Option Package : Rome Lab to Ft Mnath  
 Scenario File : C:\COBRA\LABS\JCSG\RL-MNM.CBR  
 Std Fctrs File : C:\COBRA\DEPOTFIN.SFF

Base: ROME LAB, NY  
 (All values in Dollars)

Category	Cost	Sub-Total
-----	----	-----
<b>Construction</b>		
Military Construction	0	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
<b>Total - Construction</b>		<b>0</b>
<b>Personnel</b>		
Civilian RIF	1,018,661	
Civilian Early Retirement	386,196	
Civilian New Hires	0	
Eliminated Military PCS	0	
Unemployment	175,392	
<b>Total - Personnel</b>		<b>1,580,249</b>
<b>Overhead</b>		
Program Planning Support	1,034,394	
Mothball / Shutdown	221,250	
<b>Total - Overhead</b>		<b>1,255,644</b>
<b>Moving</b>		
Civilian Moving	16,920,850	
Civilian PPS	259,200	
Military Moving	53,701	
Freight	155,419	
One-Time Moving Costs	6,823,000	
<b>Total - Moving</b>		<b>24,212,170</b>
<b>Other</b>		
HAP / RSE	859,732	
Environmental Mitigation Costs	0	
One-Time Unique Costs	1,905,000	
<b>Total - Other</b>		<b>2,764,732</b>
<b>Total One-Time Costs</b>		<b>29,812,796</b>
<b>One-Time Savings</b>		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	15,700	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
<b>Total One-Time Savings</b>		<b>15,700</b>
<b>Total Net One-Time Costs</b>		<b>29,797,096</b>

Department : Air Force  
Option Package : Rome Lab to Ft Mnmth  
Scenario File : C:\COBRA\LABS\JCSG\RL-MNM.CBR  
Std Fctrs File : C:\COBRA\DEPOTFIN.SFF

All Costs in \$K

Base Name	Total MilCon	IMA Cost	Land Purch	Cost Avoid	Total Cost
FT MONMOUTH	14,900	0	0	0	14,900
ROME LAB	0	0	0	0	0
Totals:	14,900	0	0	0	14,900

Department : Air Force  
 Option Package : Rome Lab to Ft Mnmth  
 Scenario File : C:\COBRA\LABS\JCSG\RL-MNM.CBR  
 Std Fctrs File : C:\COBRA\DEPOTFIN.SFF

MilCon for Base: FT MONMOUTH, NJ

All Costs in \$K

Description:	MilCon Categ	Using Rehab	Rehab Cost*	New MilCon	New Cost*	Total Cost*
ARMY MILCON	OTHER	0	n/a	0	n/a	14,900

Total Construction Cost:	14,900
+ Info Management Account:	0
+ Land Purchases:	0
- Construction Cost Avoid:	0
TOTAL:	14,900

\* All MilCon Costs include Design, Site Preparation, Contingency Planning, and SIOH Costs where applicable.

Department : Air Force  
 Option Package : Rome Lab to Ft Mnmth  
 Scenario File : C:\COBRA\LABS\JCSG\RL-MNM.CBR  
 Std Fctrs File : C:\COBRA\DEPOTFIN.SFF

INPUT SCREEN ONE - GENERAL SCENARIO INFORMATION

Model Year One : FY 1996

Model does Time-Phasing of Construction/Shutdown: No

Base Name Strategy:  
 -----  
 FT MONMOUTH, NJ Realignment  
 ROME LAB, NY Closes in FY 1999

Summary:  
 -----

Closure of Rome lab in four years and move to Ft Monmouth.

Screen 4 data is from Army response  
 MILCON numbers modified (lowered) to reflect current RL requirement  
 Other assumptions similar to AF run  
 Distance assumed to be 50 miles past Newark

INPUT SCREEN TWO - DISTANCE TABLE

From Base:	To Base:	Distance:
-----	-----	-----
FT MONMOUTH, NJ	ROME LAB, NY	276 mi

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from ROME LAB, NY to FT MONMOUTH, NJ

	1996	1997	1998	1999	2000	2001
	----	----	----	----	----	----
Officer Positions:	0	1	2	7	0	0
Enlisted Positions:	0	0	0	0	0	0
Civilian Positions:	0	127	214	554	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	8	13	32	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: FT MONMOUTH, NJ

Total Officer Employees:	416	RPMA Non-Payroll (\$K/Year):	10,331
Total Enlisted Employees:	505	Communications (\$K/Year):	0
Total Student Employees:	406	BOS Non-Payroll (\$K/Year):	60,417
Total Civilian Employees:	7,341	BOS Payroll (\$K/Year):	39,183
Mil Families Living On Base:	100.0%	Family Housing (\$K/Year):	3,861
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.19
Officer Housing Units Avail:	0	CHAMPUS In-Pat (\$/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat (\$/Visit):	0
Total Base Facilities(KSF):	4,474	CHAMPUS Shift to Medicare:	20.9%
Officer VHA (\$/Month):	441	Activity Code:	34555
Enlisted VHA (\$/Month):	261		
Per Diem Rate (\$/Day):	103	Homeowner Assistance Program:	No
Freight Cost (\$/Ton/Mile):	0.07	Unique Activity Information:	No

Department : Air Force  
 Option Package : Rome Lab to Ft Mnmth  
 Scenario File : C:\COBRA\LABS\JCSG\RL-MNM.CBR  
 Std Fctrs File : C:\COBRA\DEPOTFIN.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: ROME LAB, NY

Total Officer Employees:	84	RPMA Non-Payroll (\$K/Year):	8,136
Total Enlisted Employees:	46	Communications (\$K/Year):	120
Total Student Employees:	0	BOS Non-Payroll (\$K/Year):	3,714
Total Civilian Employees:	786	BOS Payroll (\$K/Year):	0
Mil Families Living On Base:	0.0%	Family Housing (\$K/Year):	0
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.10
Officer Housing Units Avail:	0	CHAMPUS In-Pat (\$/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat (\$/Visit):	0
Total Base Facilities(KSF):	177	CHAMPUS Shift to Medicare:	20.9%
Officer VHA (\$/Month):	57	Activity Code:	44
Enlisted VHA (\$/Month):	86	Homeowner Assistance Program:	Yes
Per Diem Rate (\$/Day):	66	Unique Activity Information:	No
Freight Cost (\$/Ton/Mile):	0.07		

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: FT MONMOUTH, NJ

	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(%):	20%	25%	25%	30%	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: ROME LAB, NY

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost (\$K):	0	254	428	1,223	0	0
1-Time Unique Save (\$K):	0	0	0	0	0	0
1-Time Moving Cost (\$K):	341	2,382	1,710	2,390	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 (%):	0%	33%	33%	34%	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):	177					Perc Family Housing ShutDown: 100.0%



Department : Air Force  
 Option Package : Rome Lab to Ft Monmouth  
 Scenario File : C:\COBRA\LABS\JCSG\RL-MNM.CBR  
 Std Fctrs File : C:\COBRA\DEPOTFIN.SFF

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: ROME LAB, NY

	1996	1997	1998	1999	2000	2001
Off Force Struc Change:	0	-74	0	0	0	0
Enl Force Struc Change:	0	-46	0	0	0	0
Civ Force Struc Change:	0	137	0	0	0	0
Stu Force Struc Change:	0	0	0	0	0	0
Off Scenario Change:	0	0	0	0	0	0
Enl Scenario Change:	0	0	0	0	0	0
Civ Scenario Change:	0	-28	0	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: FT MONMOUTH, NJ

Description	Categ	New MilCon	Rehab MilCon	Total Cost(\$K)
ARMY MILCON	OTHER	0	0	14,900

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(\$):	4,000.00
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(\$F/Care):	162.00	MilCon Contingency Plan Rate:	0.00%
Mothball Cost (\$/SF):	1.25	MilCon Site Preparation Rate:	0.00%
Avg Bachelor Quarters(\$F):	256.00	Discount Rate for NPV.RPT/ROI:	2.75%
Avg Family Quarters(\$F):	1,320.00	Inflation Rate for NPV.RPT/ROI:	0.00%
APPDET.RPT Inflation Rates:			
1996: 0.00%	1997: 2.20%	1998: 2.60%	1999: 2.80%
			2000: 2.80%
			2001: 2.90%

Department : Air Force  
 Option Package : Rome Lab to Ft Mnath  
 Scenario File : C:\COBRA\LABS\JCSG\RL-MNM.CBR  
 Std Fctrs File : C:\COBRA\DEPOTFIN.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):	8,437.00
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
Shipyards 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			

Option Rome Lab to Ft Monmouth, NJ

1/20/95 10:24

AR-10

Control Number

COBRA file name

RL-MNM,CBR

Manpower	Officers	Enlisted	Civilians	Total	Source Data		
Current Force Structure	84	46	786	916	Screen 4 Data -- 4/94		
Adjusted Base Line	10	0	923	933	PB Data -- 12/15/94		
Positions to Move	10	0	895	905	Modified PB Data -- 12/15/95		
Positions Eliminated	0	0	28	28	Assume no consolidation savings from lab overhead		
Total Moves/Eliminations	10	0	923	933	(Per Miltziva)		
Force Structure Change	-74	-46	137		COBRA Assumption: all force structure changes by 97		
	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	Total
Manpower by Year	0%	15%	20%	65%	0%	0%	100%
Officers to Move	10	0	1	2	7	0	10
Enlisted to Move	0	0	0	0	0	0	0
Civilians to Move	895	127	214	554	0	0	895
Officers Eliminated	0	0	0	0	0	0	0
Enlisted Eliminated	0	0	0	0	0	0	0
Civilians Eliminated	28	6	13	19	-10	0	28
One Time Unique Costs (\$K)	\$505	Area Wage	21				Source Data
Civilian Leave	\$505	127	214	164.26	0	0	Standard Formula
Upgrade facilities	\$1,400	127	214	1059	0	0	1400 Army fax 1/11/95
Total one-time unique costs	\$1,905	254	428	1223.26	0	0	1905.26
One-Time Moving Costs (\$K)	\$6,823	341	2382	1710	2390	0	6823 JCSG Certified Data
Equipment movement							
MILCON	Sgt	Cost/sqft	Total				
Ft Monmouth MILCON							
Total Ft Monmouth MILCON			\$14,900				Per CE Cost Estimate 1/20/95 -- based on site survey

Note -- Does not include cost of any Rome satellites closing

Department : Air Force  
 Option Package : Rome Lab to Ft Mnmth/Hanscom  
 Scenario File : S:\COBRA\LAB95\1\_24\_95\JCSG\RL-HM.CBR  
 Std Fctrs File : S:\COBRA\LAB95\1\_24\_95\DEPOTFIN.SFF

Starting Year : 1996  
 Final Year : 1999  
 ROI Year : 2003 (4 Years)

NPV in 2015(\$K): -97,116  
 1-Time Cost(\$K): 55,717

Net Costs (\$K) Constant Dollars								
	1996	1997	1998	1999	2000	2001	Total	Beyond
MilCon	4,960	6,200	6,200	7,440	0	0	24,800	0
Person	0	-726	-1,860	-547	-2,327	-2,327	-7,787	-2,327
Overhd	378	-606	-3,009	-4,487	-9,297	-9,297	-26,318	-9,297
Moving	341	5,544	5,181	13,873	0	0	24,939	0
Missio	0	0	0	0	0	0	0	0
Other	0	323	369	1,207	0	0	1,900	0
<b>TOTAL</b>	<b>5,679</b>	<b>10,735</b>	<b>6,881</b>	<b>17,487</b>	<b>-11,624</b>	<b>-11,624</b>	<b>17,534</b>	<b>-11,624</b>

	1996	1997	1998	1999	2000	2001	Total
<b>POSITIONS ELIMINATED</b>							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Civ	0	52	0	0	0	0	52
<b>TOT</b>	<b>0</b>	<b>52</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>52</b>
<b>POSITIONS REALIGNED</b>							
Off	0	0	2	8	0	0	10
Enl	0	0	0	0	0	0	0
Stu	0	0	0	0	0	0	0
Civ	0	130	173	568	0	0	871
<b>TOT</b>	<b>0</b>	<b>130</b>	<b>175</b>	<b>576</b>	<b>0</b>	<b>0</b>	<b>881</b>

Summary:

Closure of Rome lab in four years and move C3 directorate to Ft Monmouth, all other directorates to Hanscom

Screen 4 data is from Army response  
 MILCON numbers modified (lowered) to reflect current RL requirement  
 Other assumptions similar to AF run (consolidation savings on Hanscom move)  
 Army upgrade numbers modified as appropriate  
 No savings taken due to force structure reduction at Hanscom (geophysics)

Three directorates to Hanscom (588)  
 One directorate to Ft Monmouth (293)  $\Rightarrow$   $\Delta$  in personnel/MILCON  
 One-time unique cost reduced

Presented to SECDEF 1/24/95

"Option 3"

Department : Air Force  
 Option Package : Rome Lab to Ft Mnth  
 Scenario File : S:\COBRA\LAB95\1\_24\_95\JCSG\RL-HM.CBR  
 Std Fctrs File : S:\COBRA\LAB95\1\_24\_95\DEPOTFIN.SFF

Costs (\$K) Constant Dollars								
	1996	1997	1998	1999	2000	2001	Total	Beyond
	----	----	----	----	----	----	----	-----
MilCon	4,960	6,200	6,200	7,440	0	0	24,800	0
Person	0	486	565	1,879	98	98	3,127	98
Overhd	378	769	1,249	2,979	2,744	2,744	10,863	2,744
Moving	341	5,544	5,184	13,886	0	0	24,955	0
Missio	0	0	0	0	0	0	0	0
Other	0	323	369	1,207	0	0	1,900	0
<b>TOTAL</b>	<b>5,679</b>	<b>13,323</b>	<b>13,567</b>	<b>27,391</b>	<b>2,842</b>	<b>2,842</b>	<b>65,645</b>	<b>2,842</b>

Savings (\$K) Constant Dollars								
	1996	1997	1998	1999	2000	2001	Total	Beyond
	----	----	----	----	----	----	----	-----
MilCon	0	0	0	0	0	0	0	0
Person	0	1,213	2,425	2,425	2,425	2,425	10,914	2,425
Overhd	0	1,375	4,258	7,466	12,041	12,041	37,181	12,041
Moving	0	0	3	12	0	0	16	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>0</b>	<b>2,588</b>	<b>6,686</b>	<b>9,903</b>	<b>14,466</b>	<b>14,466</b>	<b>48,111</b>	<b>14,466</b>

TOTAL ONE-TIME COST REPORT (COBRA v5.06)  
 Data As Of 17:45 01/24/1995, Report Created 17:46 01/24/1995

Department : Air Force  
 Option Package : Rome Lab to Ft Mmth  
 Scenario File : S:\COBRA\LAB95\1\_24\_95\JCSG\RL-HM.CBR  
 Std Fctrs File : S:\COBRA\LAB95\1\_24\_95\DEPOTFIN.SFF

(All values in Dollars)

Category	Cost	Sub-Total
-----	----	-----
<b>Construction</b>		
Military Construction	24,800,000	
Family Housing Construction	0	
Information Management Account	0	
Land Purchases	0	
<b>Total - Construction</b>		24,800,000
<b>Personnel</b>		
Civilian RIF	1,000,471	
Civilian Early Retirement	390,393	
Civilian New Hires	1,244,000	
Eliminated Military PCS	0	
Unemployment	172,260	
<b>Total - Personnel</b>		2,807,124
<b>Overhead</b>		
Program Planning Support	1,034,394	
Mothball / Shutdown	221,250	
<b>Total - Overhead</b>		1,255,644
<b>Moving</b>		
Civilian Moving	17,513,209	
Civilian PPS	460,800	
Military Moving	53,843	
Freight	104,132	
One-Time Moving Costs	6,823,000	
<b>Total - Moving</b>		24,954,984
<b>Other</b>		
HAP / RSE	859,732	
Environmental Mitigation Costs	0	
One-Time Unique Costs	1,040,000	
<b>Total - Other</b>		1,899,732
<b>Total One-Time Costs</b>		<b>55,717,485</b>
-----		
<b>One-Time Savings</b>		
Military Construction Cost Avoidances	0	
Family Housing Cost Avoidances	0	
Military Moving	15,700	
Land Sales	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
<b>Total One-Time Savings</b>		<b>15,700</b>
<b>Total Net One-Time Costs</b>		<b>55,701,785</b>

TOTAL MILITARY CONSTRUCTION ASSETS (COBRA v5.06)  
Data As Of: 17:45 01/24/1995, Report Created 17:46 01/24/1995

Department : Air Force  
Option Package : Rome Lab to Ft Mnmth  
Scenario File : S:\COBRA\LAB95\1\_24\_95\JCSG\RL-HM.CBR  
Std Fctrs File : S:\COBRA\LAB95\1\_24\_95\DEPOTFIN.SFF

All Costs in \$K

Base Name	Total MilCon	IMA Cost	Land Purch	Cost Avoid	Total Cost
FT MONMOUTH	5,090	0	0	0	5,090
ROME LAB	0	0	0	0	0
HANSCOM	19,710	0	0	0	19,710
Totals:	24,800	0	0	0	24,800

Department : Air Force  
 Option Package : Rome Lab to Ft Mnmth  
 Scenario File : S:\COBRA\LAB95\1\_24\_95\JCSG\RL-HM.CBR  
 Std Fctrs File : S:\COBRA\LAB95\1\_24\_95\DEPOTFIN.SFF

INPUT SCREEN ONE - GENERAL SCENARIO INFORMATION

Model Year One : FY 1996

Model does Time-Phasing of Construction/Shutdown: No

Base Name	Strategy:
-----	-----
FT MONMOUTH, NJ	Realignment
ROME LAB, NY	Closes in FY 1999
HANSCOM, MA	Realignment

Summary:

-----  
 Closure of Rome lab in four years and move C3 directorate to Ft Monmouth, all other directorates to Hanscom

Screen 4 data is from Army response  
 MILCON numbers modified (lowered) to reflect current RL requirement  
 Other assumptions similar to AF run (consolidation savings on Hanscom move)  
 Army upgrade numbers modified as appropriate  
 No savings taken due to force structure reduction at Hanscom (geophysics)

INPUT SCREEN TWO - DISTANCE TABLE

From Base:	To Base:	Distance:
-----	-----	-----
FT MONMOUTH, NJ	ROME LAB, NY	276 mi
ROME LAB, NY	HANSCOM, MA	276 mi

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from ROME LAB, NY to FT MONMOUTH, NJ

	1996	1997	1998	1999	2000	2001
	----	----	----	----	----	----
Officer Positions:	0	0	1	4	0	0
Enlisted Positions:	0	0	0	0	0	0
Civilian Positions:	0	43	57	188	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	3	4	10	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

Transfers from ROME LAB, NY to HANSCOM, MA

	1996	1997	1998	1999	2000	2001
	----	----	----	----	----	----
Officer Positions:	0	0	1	4	0	0
Enlisted Positions:	0	0	0	0	0	0
Civilian Positions:	0	87	116	380	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	5	9	22	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0



Department : Air Force  
 Option Package : Rome Lab to Ft Mnmth  
 Scenario File : S:\COBRA\LAB95\1\_24\_95\JCSG\RL-HM.CBR  
 Std Fctrs File : S:\COBRA\LAB95\1\_24\_95\DEPOTFIN.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: FT MONMOUTH, NJ

Total Officer Employees:	416	RPMA Non-Payroll (\$K/Year):	10,331
Total Enlisted Employees:	505	Communications (\$K/Year):	0
Total Student Employees:	406	BOS Non-Payroll (\$K/Year):	60,417
Total Civilian Employees:	7,341	BOS Payroll (\$K/Year):	39,183
Mil Families Living On Base:	100.0%	Family Housing (\$K/Year):	3,861
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.19
Officer Housing Units Avail:	0	CHAMPUS In-Pat (\$/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat (\$/Visit):	0
Total Base Facilities(KSF):	4,474	CHAMPUS Shift to Medicare:	20.9%
Officer VHA (\$/Month):	441	Activity Code:	34555
Enlisted VHA (\$/Month):	261		
Per Diem Rate (\$/Day):	103	Homeowner Assistance Program:	No
Freight Cost (\$/Ton/Mile):	0.07	Unique Activity Information:	No

Name: ROME LAB, NY

Total Officer Employees:	84	RPMA Non-Payroll (\$K/Year):	8,136
Total Enlisted Employees:	46	Communications (\$K/Year):	120
Total Student Employees:	0	BOS Non-Payroll (\$K/Year):	3,714
Total Civilian Employees:	786	BOS Payroll (\$K/Year):	0
Mil Families Living On Base:	0.0%	Family Housing (\$K/Year):	0
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.10
Officer Housing Units Avail:	0	CHAMPUS In-Pat (\$/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat (\$/Visit):	0
Total Base Facilities(KSF):	177	CHAMPUS Shift to Medicare:	20.9%
Officer VHA (\$/Month):	57	Activity Code:	44
Enlisted VHA (\$/Month):	86		
Per Diem Rate (\$/Day):	66	Homeowner Assistance Program:	Yes
Freight Cost (\$/Ton/Mile):	0.07	Unique Activity Information:	No

Name: HANSCOM, MA

Total Officer Employees:	852	RPMA Non-Payroll (\$K/Year):	6,164
Total Enlisted Employees:	872	Communications (\$K/Year):	3,704
Total Student Employees:	0	BOS Non-Payroll (\$K/Year):	18,161
Total Civilian Employees:	2,354	BOS Payroll (\$K/Year):	0
Mil Families Living On Base:	59.0%	Family Housing (\$K/Year):	8,996
Civilians Not Willing To Move:	6.0%	Area Cost Factor:	1.29
Officer Housing Units Avail:	0	CHAMPUS In-Pat (\$/Visit):	0
Enlisted Housing Units Avail:	0	CHAMPUS Out-Pat (\$/Visit):	0
Total Base Facilities(KSF):	4,425	CHAMPUS Shift to Medicare:	20.9%
Officer VHA (\$/Month):	432	Activity Code:	AF036
Enlisted VHA (\$/Month):	303		
Per Diem Rate (\$/Day):	139	Homeowner Assistance Program:	Yes
Freight Cost (\$/Ton/Mile):	0.07	Unique Activity Information:	No

Department : Air Force  
 Option Package : Rome Lab to Ft Mnmth  
 Scenario File : S:\COBRA\LAB95\1\_24\_95\JCSG\RL-HM.CBR  
 Std Fctrs File : S:\COBRA\LAB95\1\_24\_95\DEPOTFIN.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: FT MONMOUTH, NJ

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost (\$K):	0	64	86	280	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(%):	20%	25%	25%	30%	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: ROME LAB, NY

	1996	1997	1998	1999	2000	2001
1-Time Unique Cost (\$K):	0	91	122	397	0	0
1-Time Unique Save (\$K):	0	0	0	0	0	0
1-Time Moving Cost (\$K):	341	2,382	1,710	2,390	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 (%):	0%	33%	33%	34%	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):	177	Perc Family Housing ShutDown:				100.0%

Name: HANSCOM, MA

	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(%):	20%	25%	25%	30%	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 : Rome Lab to Ft Mnmth  
 Scenario File : S:\COBRA\LAB95\1\_24\_95\JCSG\RL-HM.CBR  
 Std Fctrs File : S:\COBRA\LAB95\1\_24\_95\DEPOTFIN.SFF

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: ROME LAB, NY

	1996	1997	1998	1999	2000	2001
Off Force Struc Change:	0	-74	0	0	0	0
Enl Force Struc Change:	0	-46	0	0	0	0
Civ Force Struc Change:	0	137	0	0	0	0
Stu Force Struc Change:	0	0	0	0	0	0
Off Scenario Change:	0	0	0	0	0	0
Enl Scenario Change:	0	0	0	0	0	0
Civ Scenario Change:	0	-52	0	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: FT MONMOUTH, NJ

Description	Categ	New MilCon	Rehab MilCon	Total Cost(\$K)
ARMY MILCON	OTHER	0	0	5,090

Name: HANSCOM, MA

Description	Categ	New MilCon	Rehab MilCon	Total Cost(\$K)
Mission Facilities CE Estimate 1/24/95	OTHER	0	0	19,710

STANDARD FACTORS SCREEN ONE - PERSONNEL

Percent Officers Married:	78.80%	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(\$):	4,000.00
Enlisted Salary(\$/Year):	36,148.00	Nat Median Home Price(\$):	114,600.00
Enl BAQ with Dependents(\$):	5,182.00	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: 2.20%	1998: 2.60%	1999: 2.80%
			2000: 2.80%
			2001: 2.90%

Department : Air Force  
 Option Package : Rome Lab to Ft Mnath  
 Scenario File : S:\COBRA\LAB95\1\_24\_95\JCSG\RL-HM.CBR  
 Std Fctrs File : S:\COBRA\LAB95\1\_24\_95\DEPOTFIN.SFF

STANDARD FACTORS SCREEN THREE - TRANSPORTATION

Material/Assigned Person(Lb):	710	Equip Pack & Crate(\$/Ton):	284.00
HMG Per Off Family (Lb):	14,500.00	Mil Light Vehicle(\$/Mile):	0.43
HMG Per Enl Family (Lb):	9,000.00	Heavy/Spec Vehicle(\$/Mile):	1.40
HMG Per Mil Single (Lb):	6,400.00	POV Reimbursement(\$/Mile):	0.18
HMG Per Civilian (Lb):	18,000.00	Avg Mil Tour Length (Years):	4.10
Total HMG 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
Shipyards 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			



Hanscom MILCON				Per CE Cost Estimate 1/24/95 -- based on site survey															
<b>Total Hanscom MILCON</b>	<b>37703</b>		<b>\$19,710</b>																
Ft Monmouth MILCON																			
<b>Total Ft Monmouth MILCON</b>	<b>0</b>		<b>\$5,090</b>	Per CE Cost Estimate 1/24/95 -- based on site survey															
<i>Note -- Does not include cost of any Rome satellites closing</i>																			

129

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950412-12

FROM: CIRILLO, FRANK	TO: BLUME, JAY
TITLE: AIR FORCE TEAM LEADER	TITLE: SPECIAL ASST.
ORGANIZATION: DBCRC	ORGANIZATION: HEADQUARTERS USAF
INSTALLATION (if DISCUSSED): GRIFFISS AFB	

OFFICE OF THE CHAIRMAN	FYT	ACTION	INT	COMMISSION MEMBERS	FYT	ACTION	INT
CHAIRMAN DEON				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL	✓			COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTROYA		+	
				COMMISSIONER ROBLES			
DIR. CONGRESSIONAL LIAISON				COMMISSIONER STEELE			
DIR. COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A	✓		
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER	✓		
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER			
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
DIR. INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature		Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓	FYT

Subject/Remarks:

REQUESTING INFO CONCERNING GRIFFISS AFB.

Date:	Routing Date: 950412	Date Originated: 950412	Mail Date: 950412
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**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425

ARLINGTON, VA 22209

703-696-0504

ALAN J. DIXON, CHAIRMAN

April 12, 1995

COMMISSIONERS:

AL CORNELLA

REBECCA COX

GEN J. B. DAVIS, USAF (RET)

S. LEE KLING

RADM BENJAMIN F. MONTROYA, USN (RET)

MG JOSUE ROBLES, JR., USA (RET)

WENDI LOUISE STEELE

Major General Jay Blume (ATTN: Lt. Col. Mary Tripp)

Special Assistant to the Chief of Staff

for Base Realignment and Transition

Headquarters USAF

1670 Air Force Pentagon

Washington, D.C. 20330-1670

Please refer to this number  
when responding 950412-12

Dear General Blume:

In order to assist the Commission in its review of the DoD's recommendations concerning Griffiss Air Force Base, I am requesting your assistance with respect to the following issues:

1. The DoD has recommended the closure of the minimum essential runway at Griffiss Air Force Base. In doing so, the DoD report indicates a loss of 150 civilians from Griffiss Air Force Base. The Air Force COBRA indicates only the reduction of 15 civilians from Griffiss Air Force Base. It would appear the remaining 135 will be realigned to Fort Drum. After discussions with personnel from Fort Drum, their initial indications are that they need only an additional 25 individuals to operate the Fort Drum airfield after the runway extension. Could you please confirm that there will be 150 civilians authorized to care for the minimum essential airfield, and that the Air Force intends to realign 135 civilian authorizations to Fort Drum? Is there a potential savings in civilian authorizations if Fort Drum needs only 25 additional authorizations, or would this not be considered a savings because 150 authorizations required to take care of the airfield at Griffiss AFB are more than anticipated when the Air Force proposed to realign Griffiss AFB in 1993? Also, if the Air Force is paying 150 civilians to care for the minimum essential airfield, why is there an additional annual overhead charge of \$12.0M per year?

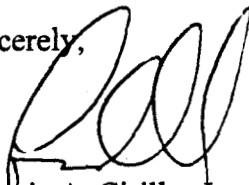
2. Following staff visits to Tinker and Griffiss Air Force Base, questions arose concerning the inactivation of the 485th Engineering Installation Group (EIG). Personnel at Tinker AFB indicated that not as many military and civilians are going from Griffiss AFB to Tinker AFB as indicated in the DoD report. (146 military and 330 civilians) This is a concern for the Tinker community because personnel departing Tinker AFB due to air logistic center base closure actions does not look as bad because there are incoming personnel from the 485th EIG. But since the number of authorizations incoming to Tinker AFB is not high as indicated in the report, Tinker AFB may be losing more authorizations than previously indicated. In addition, personnel from Griffiss AFB indicated that some of their authorizations for personnel were going to Keesler AFB, and that Keesler AFB should be added to the list of bases where 485th EIG authorizations are to be going.



Could you please provide us with a list of authorizations from the 485 EIG, where these authorizations are going to by installation, and how many authorizations have been reduced. Could you please provide us this information broken out by officer/enlisted/civilian?

Could you please provide us this information by May 15, 1995. Thank you for your assistance.

Sincerely,

A handwritten signature in black ink, appearing to read 'Francis A. Cirillo, Jr.', written in a cursive style.

Francis A. Cirillo, Jr.  
Air Force Team Leader



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS UNITED STATES AIR FORCE



16 MAY 1995

MEMORANDUM FOR BASE CLOSURE COMMISSION (Mr Frank Cirillo, Jr)

FROM: HQ USAF/RT  
1670 Air Force Pentagon  
Washington DC 20330-1670

SUBJECT: USAF BRAC '95 ANG Information, 950412-12

The following response will answer your questions in paragraph one of your 12 April 1995 letter.

STATEMENT: Could you please confirm there will be 150 civilian authorizations to care for the minimum essential airfield, and that the Air Force intends to realign 135 civilian authorizations to Fort Drum?

RESPONSE: There will not be 150 civilian authorizations at Griffiss to care for the minimum essential airfield. There will be 15 DoD contract quality assurance civilians in place in 1997 to administer the minimum essential airfield contracts. The remaining 135 authorizations have been turned back for money to pay for contractor operation of the minimum essential airfield. Therefore, any civilians at Griffiss that are operating the minimum essential airfield beyond the programmed 15 DoD authorizations quality assurance personnel will be contractor personnel. When the economic impact was discussed for input to DoD recommendations, the question was asked how many contractor personnel would be operating the airfield. The answer was estimated at approximately 120-150 contractor personnel based on funding programmed to operate the airfield. When the recommendation was forwarded, the answer somehow got translated to 150 DoD civilians will be in place at Griffiss AFB to operate the minimum essential airfield, and the assumption was also erroneously made they would transfer to Fort Drum. That is not the case. No DoD civilian authorizations were programmed for relocation to Fort Drum. The 15 DoD civilian that administer contracts will go away as well as any contracts for Griffiss minimum essential airfield maintenance .

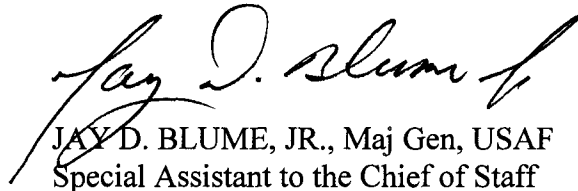
STATEMENT: Is there a potential savings in civilian authorizations if Fort Drum needs only 25 additional authorizations, or would this not be considered a savings because 150 authorizations required to take care of the airfield at Griffiss AFB are more than anticipated when the Air Force proposed to realign Griffiss AFB in 1993?

RESPONSE: Again, only 15 of the 150 DoD civilian authorizations exist at Griffiss AFB because 135 authorizations have been converted to dollars to administer contracts at Griffiss. Any additional personnel at the minimum essential airfield are contractor personnel and cannot be taken as savings. However, the \$12M that will be paid to the contractor for maintenance of the minimum essential airfield was programmed into COBRA as a savings. In conjunction with Army, we are currently validating any additional manpower requirements that may be needed for deployment of the 10th Infantry at Fort Drum.

STATEMENT: Also, if the Air Force is paying 150 civilians to care for the minimum essential airfield, why is there an additional overhead charge of \$12.0M per year?

RESPONSE: For 1997, 135 civilian authorizations of the 150 have been converted to dollars (\$12M) to pay for contractor maintenance of the airfield. The minimum essential airfield will be run by a contractor and his people, as required by law. The 15 civilian authorizations difference are the contract quality assurance personnel. There is no additional \$12.0M overhead charge.

I trust this information clears up any misconceptions generated by the economic report.

  
JAY D. BLUME, JR., Maj Gen, USAF  
Special Assistant to the Chief of Staff  
for Realignment and Transition



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS UNITED STATES AIR FORCE



5 MAY 1995

MEMORANDUM FOR BASE CLOSURE COMMISSION (Mr. Frank Cirillo)

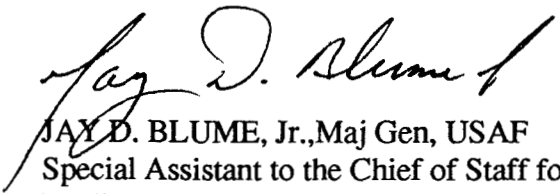
FROM: AF/RT  
1670 Air Force Pentagon  
Washington, DC 20330-1670

SUBJECT: Response to Questions on 485 EIG (Reference #950412-12)

The following is the Air Force response to paragraph 2 of your enclosed April 12, 1995 request for data concerning authorizations for the 485th EIG. ~~Paragraph 1 was answered previously.~~

STATEMENT: Could you please provide us with a list of authorizations from the 485 EIG, where these authorizations are going to by installation, and how many authorizations have been reduced. Could you please provide us this information broken out by officer/enlisted/civilian?

RESPONSE: If the 485 EIG, Griffiss AFB were redirected, Tinker AFB would receive a total of 402 authorized positions. As you stated, the DoD report indicated 146 military positions and 330 civilians, which added up to 476 authorized positions (Please note the DoD report failed to take into account a savings of 77 positions, and at that time, it also understated, by 3, the number of civilian authorizations going to Tinker.). Of 402 authorizations going to Tinker AFB, we have recently determined that 291 will be civilian positions and 111 will be military positions. Concerning the question of moving some of these EIG authorizations to Keesler AFB, the Air Force is not pursuing such an action.

  
JAY D. BLUME, Jr., Maj Gen, USAF  
Special Assistant to the Chief of Staff for  
Realignment and Transition

RT389



**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**

1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

ALAN J. DIXON, CHAIRMAN

April 12, 1995

COMMISSIONERS:  
AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
RADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

Major General Jay Blume (ATTN: Lt. Col. Mary Tripp)  
Special Assistant to the Chief of Staff  
for Base Realignment and Transition  
Headquarters USAF  
1670 Air Force Pentagon  
Washington, D.C. 20330-1670

76  
Please refer to this number  
when recording 950412-12

Dear General Blume:

In order to assist the Commission in its review of the DoD's recommendations concerning Griffiss Air Force Base, I am requesting your assistance with respect to the following issues:

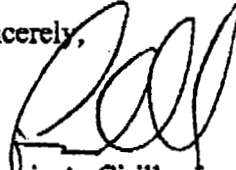
1. The DoD has recommended the closure of the minimum essential runway at Griffiss Air Force Base. In doing so, the DoD report indicates a loss of 150 civilians from Griffiss Air Force Base. The Air Force COBRA indicates only the reduction of 15 civilians from Griffiss Air Force Base. It would appear the remaining 135 will be realigned to Fort Drum. After discussions with personnel from Fort Drum, their initial indications are that they need only an additional 25 individuals to operate the Fort Drum airfield after the runway extension. Could you please confirm that there will be 150 civilians authorized to care for the minimum essential airfield, and that the Air Force intends to realign 135 civilian authorizations to Fort Drum? Is there a potential savings in civilian authorizations if Fort Drum needs only 25 additional authorizations, or would this not be considered a savings because 150 authorizations required to take care of the airfield at Griffiss AFB are more than anticipated when the Air Force proposed to realign Griffiss AFB in 1993? Also, if the Air Force is paying 150 civilians to care for the minimum essential airfield, why is there an additional annual overhead charge of \$12.0M per year?
2. Following staff visits to Tinker and Griffiss Air Force Base, questions arose concerning the inactivation of the 485th Engineering Installation Group (EIG). Personnel at Tinker AFB indicated that not as many military and civilians are going from Griffiss AFB to Tinker AFB as indicated in the DoD report. (146 military and 330 civilians) This is a concern for the Tinker community because personnel departing Tinker AFB due to air logistic center base closure actions does not look as bad because there are incoming personnel from the 485th EIG. But since the number of authorizations incoming to Tinker AFB is not high as indicated in the report, Tinker AFB may be losing more authorizations than previously indicated. In addition, personnel from Griffiss AFB indicated that some of their authorizations for personnel were going to Keesler AFB, and that Keesler AFB should be added to the list of bases where 485th EIG authorizations are to be going.

RT389

Could you please provide us with a list of authorizations from the 485 EIG, where these authorizations are going to by installation, and how many authorizations have been reduced. Could you please provide us this information broken out by officer/enlisted/civilian?

Could you please provide us this information by May 15, 1995. Thank you for your assistance.

Sincerely,



Francis A. Cirillo, Jr.  
Air Force Team Leader

RT389



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS UNITED STATES AIR FORCE



5 MAY 1995

MEMORANDUM FOR BASE CLOSURE COMMISSION (Mr. Frank Cirillo)

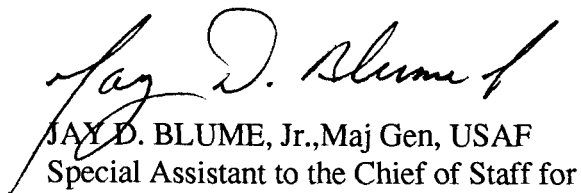
FROM: AF/RT  
1670 Air Force Pentagon  
Washington, DC 20330-1670

SUBJECT: Response to Questions on 485 EIG (Reference #950412-12)

The following is the Air Force response to paragraph 2 of your enclosed April 12, 1995 request for data concerning authorizations for the 485th EIG. Paragraph 1 was answered previously.

STATEMENT: Could you please provide us with a list of authorizations from the 485 EIG, where these authorizations are going to by installation, and how many authorizations have been reduced. Could you please provide us this information broken out by officer/enlisted/civilian?

RESPONSE: If the 485 EIG, Griffiss AFB were redirected, Tinker AFB would receive a total of 402 authorized positions. As you stated, the DoD report indicated 146 military positions and 330 civilians, which added up to 476 authorized positions (Please note the DoD report failed to take into account a savings of 77 positions, and at that time, it also understated, by 3, the number of civilian authorizations going to Tinker.). Of 402 authorizations going to Tinker AFB, we have recently determined that 291 will be civilian positions and 111 will be military positions. Concerning the question of moving some of these EIG authorizations to Keesler AFB, the Air Force is not pursuing such an action.

  
JAY D. BLUME, Jr., Maj Gen, USAF  
Special Assistant to the Chief of Staff for  
Realignment and Transition

THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

EXECUTIVE CORRESPONDENCE TRACKING SYSTEM (ECTS) # 950412-13

FROM: CIRILLO, FRANK TO: BLUME, JAY  
 TITLE: AIR FORCE TEAM LEADER TITLE: SPECIAL ASST.  
 ORGANIZATION: DBCRC ORGANIZATION: HEADQUARTERS USAF  
 INSTALLATION (if DISCUSSED): KIRTLAND AFB

OFFICE OF THE CHAIRMAN	FYI	ACTION	INT	COMMISSION MEMBERS	FYI	ACTION	INT
CHAIRMAN DEION				COMMISSIONER CORNELLA			
STAFF DIRECTOR	✓			COMMISSIONER COX			
EXECUTIVE DIRECTOR	✓			COMMISSIONER DAVIS			
GENERAL COUNSEL	✓			COMMISSIONER KLING			
MILITARY EXECUTIVE				COMMISSIONER MONTOYA		+	
				COMMISSIONER ROBLES			
ICR CONGRESSIONAL LIAISON				COMMISSIONER STEELE			
ICR COMMUNICATIONS				REVIEW AND ANALYSIS			
				DIRECTOR OF R & A		✓	
EXECUTIVE SECRETARIAT				ARMY TEAM LEADER			
				NAVY TEAM LEADER			
DIRECTOR OF ADMINISTRATION				AIR FORCE TEAM LEADER		✓	
CHIEF FINANCIAL OFFICER				INTERAGENCY TEAM LEADER			
DIRECTOR OF TRAVEL				CROSS SERVICE TEAM LEADER			
ICR INFORMATION SERVICES							

TYPE OF ACTION REQUIRED

Prepare Reply for Chairman's Signature		Prepare Reply for Commissioner's Signature
Prepare Reply for Staff Director's Signature		Prepare Direct Response
ACTION: Offer Comments and/or Suggestions	✓	FYI

Object/Remarks: REQUESTING INFO REGARDING KIRTLAND AFB,

Date: \_\_\_\_\_ Routing Date: 950412 Date Originated: 950412 Mail Date: 950412





**THE DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION**  
1700 NORTH MOORE STREET SUITE 1425  
ARLINGTON, VA 22209  
703-696-0504

April 12, 1995

ALAN J. DIXON, CHAIRMAN

COMMISSIONERS:  
AL CORNELLA  
REBECCA COX  
GEN J. B. DAVIS, USAF (RET)  
S. LEE KLING  
ADM BENJAMIN F. MONTOYA, USN (RET)  
MG JOSUE ROBLES, JR., USA (RET)  
WENDI LOUISE STEELE

Major General Jay Blume (ATTN: Lt. Col. Mary Tripp)  
Special Assistant to the Chief of Staff  
for Base Realignment and Transition  
Headquarters USAF  
1670 Air Force Pentagon  
Washington, D.C. 20330-1670

Please refer to this number  
when responding 9504.12-13

Dear General Blume:

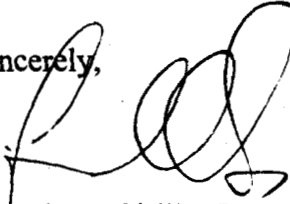
In order to assist the Commission in its review of the DoD's recommendations concerning Kirtland Air Force Base, I am requesting the following:

1. Could you please provide us with copies of all site surveys associated with the proposed Kirtland Air Force Base realignment.
2. Could you please provide us with the following information broken out by officer/enlisted/civilian as appropriate:
  - a. The total number of DoD authorizations for Kirtland AFB broken out by organization.
  - b. The total number of DoD authorizations that will be reduced by organization.
  - c. The total number of DoD authorizations that will be realigned by organization, and to what installation they will be going.
  - d. The total number of DoD authorizations that will remain at Kirtland AFB by organization.
  - e. The total number of DoD authorizations that will be converted from military authorizations to civilian ones by organization.
  - f. The total number of contractors associated with Kirtland AFB.
3. Could you please provide us any updated information for all the costs associated with cantoning the activities that are scheduled to remain after Kirtland Air Force Base is realigned?
4. Does the Air Force own all the property which is currently considered part of Kirtland Air Force Base?

5. Could you please provide us with concept of operations of who will own the property after the base is realigned?
6. If the base is realigned and DOE owns the property now considered Kirtland AFB, has the Air Force calculated the costs for renting the property required to continue the activities that will remain at Kirtland AFB?
7. Has the Air Force calculated the costs associated with cantoning the activities associated with the Defense Nuclear Agency?
8. Could you please tell us how long 58th Special Operations Wing simulator operations will be "down" due to the relocation of the simulator?
9. We understand that the Air Force continues to have meetings with DOE concerning the additional costs to DOE if Kirtland AFB realigns. Could you please provide us with any additional information concerning the realignment of Kirtland AFB as a result of these meetings.

In order to assist the Commission in its review, I would appreciate this information no later than May 8, 1995. Thank you for your assistance in this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "Francis A. Cirillo, Jr.", written in a cursive style.

Francis A. Cirillo, Jr.  
Air Force Team Leader



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS UNITED STATES AIR FORCE  
WASHINGTON, DC

05 MAY 1995

MEMORANDUM FOR BASE CLOSURE COMMISSION (Mr Frank Cirillo)

FROM: HQ USAF/RT  
1670 Air Force Pentagon  
Washington, DC 20330-1670

Please refer to this number  
when responding.

SUBJECT: Response to Your 12 April, 1995 Letter Reference Kirtland AFB Questions

The information at TAB 1 is the Air Force response to your 12 April, 1995 questions on Kirtland AFB.

*The Kirtland AFB cost are too high and will be reduced through prudent selection of other receiver locations. Additional work is ongoing.*

*Jay D. Blume Jr*  
JAY D. BLUME JR, Major General, USAF  
Special Assistant to Chief of Staff  
for Realignment and Transition

TAB  
Commission Questions Answers w/attachments b

**Question-1:** Could you please provide us with copies of all site surveys associated with the proposed Kirtland Air Force Base realignment?

**Answer 1:** The copies of the surveys are attachment 1

**Question 2:** Could you please provide us with the following information broken out by officer/enlisted/civilian as appropriate:

**Question 2a:** The total number of DoD authorizations for Kirtland AFB broken out by organization.

**.Answer 2a:** All personnel numbers are at attachment 2

**Question 2b:** The total number of DoD authorizations that will be reduced by organizations.

**Answer 2b:** All personnel numbers are at attachment 2

**Question 2c:** The total number of DoD authorizations that will be realigned by organizations, and to what installation they will be going.

**Answer 2c:** All personnel numbers are at attachment 2

**Question 2d:** The total number of DoD authorizations that will remain at Kirtland AFB by organization

**Answer 2d:** All personnel numbers are at attachment 2

**Question 2e:** The total number of DoD authorizations that will be converted from military authorizations to civilian ones by organization.

**Answer 2e:** All personnel numbers are at attachment 2

**Question 2f:** The total number of contractors associated with Kirtland AFB.

**Answer 2f:** The numbers of contractor personnel used in the evaluation for Kirtland is done in contract manpower equivalents. Kirtland's contract manpower equivalent is 722.

**Question 3:** Could you please provide us any updated information for all the costs associated with cantoning the activities that are scheduled to remain after Kirtland Air Force Base is realigned?

**Answer 3:** Briefing slides containing the latest cantonment information are at attachment 4.

**Question 4:** Does the Air Force own all the property which is currently considered part of Kirtland Air Force Base?

**Answer 4:** Property listing is at attachment 5

**Question 5:** Could you please provide us with concept of operations of who will own the property after the base is realigned?

**Answer 5: - Ownership of the retained Kirtland AFB property after realignment is under review. It is expected, due to legal and environmental reasons the property will remain under Air Force ownership.**

**Question 6:** If the base is realigned and DOE owns the property now considered Kirtland AFB, has the Air Force calculated the costs for renting the property required to continue the activities that will remain at Kirtland?

**Answer 6: The Air Force would retain any property it uses and not transfer it to DOE, thus no rent would be paid. The Air Force would pay a percentage of the infrastructure maintenance (roads, utilities, etc) if DOE maintained the property.**

**Question 7:** Has the Air Force calculated the costs associated with cantoning the activities associated with the Defense Nuclear Agency?

**Answer 7: The Air Force has not considered any costs to canton any additional part of DNA other than what has been proposed by the SECDEF (Radiation Simulator operations). The Air Force is currently evaluating the possibility of keeping DNA at Kirtland and will pass any appropriate information to the commission as it becomes available.**

**Question 8:** Could you please tell us how long 58th Special Operations Wing Simulator operations will be "down" due to the relocation of the simulator?

**Answer 8: No formal schedule has been created for the relocation of simulators and to transfer the training. Simulator transfer will be phased to maximize training**

**availability. In many instances additional temporary aircraft could be added to the unit to meet shortfalls associated with the loss of simulator training if required.**

**Question 9:** We understand that the Air Force continues to have meetings with DOE concerning the additional costs to DOE if Kirtland AFB realigns. Could you please provide us with any additional information concerning the realignment of Kirtland AFB as a result of these meetings?

**Answer 9:** Copies of the DOE package and letter discussed between the Air Force and DOE is at attachment 6.



HOUSE OF REPRESENTATIVES  
WASHINGTON, D. C. 20515

JERRY F. COSTELLO  
TWELFTH DISTRICT, ILLINOIS

March 31, 1995

Mr. S. Lee Kling  
Commissioner  
Defense Base Closure &  
Realignment Commission  
1700 N. Moore St., Suite 1425  
Arlington, Virginia 22209

Please refer to this number  
when reporting 050412-10

Dear Lee:

I wanted to drop you a note to let you know that I enjoyed being with you at the on-site visit at the Charles Melvin Price Support Center.

It was unfortunate that there was confusion over the decision to allow the media to cover the public briefing. Prior to your arrival, the public affairs officer for the Price Support Center informed me that the "BRAC staff" informed him that since it was a fact-finding visit and not a briefing that the media would not be allowed to cover the briefing.

In spite of the confusion, I understand that the briefing went well.  
Lee, I wish you the very best in the future.

Sincerely,

JERRY F. COSTELLO  
Member of Congress





DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS UNITED STATES AIR FORCE  
WASHINGTON, DC

05 MAY 1995

MEMORANDUM FOR BASE CLOSURE COMMISSION (Mr Frank Cirillo)

FROM: HQ USAF/RT  
1670 Air Force Pentagon  
Washington, DC 20330-1670

SUBJECT: Response to Your 12 April, 1995 Letter Reference Kirtland AFB Questions

The information at TAB 1 is the Air Force response to your 12 April, 1995 questions on Kirtland AFB.

*The Kirtland AFB cost are too high and will be reduced through prudent selection of other receiver locations. Additional work is ongoing.*

*Jay D. Blume Jr.*  
JAY D. BLUME JR, Major General, USAF  
Special Assistant to Chief of Staff  
for Realignment and Transition

TAB  
Commission Questions Answers w/attachments b

**Question 1:** Could you please provide us with copies of all site surveys associated with the proposed Kirtland Air Force Base realignment?

**Answer 1: The copies of the surveys are attachment 1**

**Question 2:** Could you please provide us with the following information broken out by officer/enlisted/civilian as appropriate:

**Question 2a:.** The total number of DoD authorizations for Kirtland AFB broken out by organization.

**.Answer 2a: All personnel numbers are at attachment 2**

**Question 2b:** The total number of DoD authorizations that will be reduced by organizations.

**Answer 2b: All personnel numbers are at attachment 2**

**Question 2c:** The total number of DoD authorizations that will be realigned by organizations, and to what installation they will be going.

**Answer 2c: All personnel numbers are at attachment 2**

**Question 2d:** The total number of DoD authorizations that will remain at Kirtland AFB by organization

**Answer 2d: All personnel numbers are at attachment 2**

**Question 2e:** The total number of DoD authorizations that will be converted from military authorizations to civilian ones by organization.

**Answer 2e: All personnel numbers are at attachment 2**

Question 2f: The total number of contractors associated with Kirtland AFB.

**Answer 2f: The numbers of contractor personnel used in the evaluation for Kirtland is done in contract manpower equivalents. Kirtland's contract manpower equivalent is 722.**

**Question 3:** Could you please provide us any updated information for all the costs associated with cantoning the activities that are scheduled to remain after Kirtland Air Force Base is realigned?

**Answer 3: Briefing slides containing the latest cantonment information are at attachment 4.**

Question 4: Does the Air Force own all the property which is currently considered part of Kirtland Air Force Base?

**Answer 4: Property listing is at attachment 5**

**Question 5:** Could you please provide us with concept of operations of who will own the property after the base is realigned?

**Answer 5: Ownership of the retained Kirtland AFB property after realignment is under review. It is expected, due to legal and environmental reasons the property will remain under Air Force ownership.**

**Question 6:** If the base is realigned and DOE owns the property now considered Kirtland AFB, has the Air Force calculated the costs for renting the property required to continue the activities that will remain at Kirtland?

**Answer 6: The Air Force would retain any property it uses and not transfer it to DOE, thus no rent would be paid. The Air Force would pay a percentage of the infrastructure maintenance (roads, utilities, etc) if DOE maintained the property.**

**Question 7:** Has the Air Force calculated the costs associated with cantoning the activities associated with the Defense Nuclear Agency?

**Answer 7: The Air Force has not considered any costs to canton any additional part of DNA other than what has been proposed by the SECDEF (Radiation Simulator operations). The Air Force is currently evaluating the possibility of keeping DNA at Kirtland and will pass any appropriate information to the commission as it becomes available.**

**Question 8:** Could you please tell us how long 58th Special Operations Wing Simulator operations will be “down” due to the relocation of the simulator?

**Answer 8: No formal schedule has been created for the relocation of simulators and to transfer the training. Simulator transfer will be phased to maximize training**

**availability. In many instances additional temporary aircraft could be added to the unit to meet shortfalls associated with the loss of simulator training if required.**

**Question 9:** We understand that the Air Force continues to have meetings with DOE concerning the additional costs to DOE if Kirtland AFB realigns. Could you please provide us with any additional information concerning the realignment of Kirtland AFB as a result of these meetings?

**Answer 9:** Copies of the DOE package and letter discussed between the Air Force and DOE is at attachment 6.

**KIRTLAND AFB  
SITE SURVEY  
OUTBRIEF**

# AGENDA

- **PURPOSE**
- **GUIDANCE**
- **SCHEDULE FOR KIRTLAND AFB BUDGET SUBMISSION**
- **SCHEDULE FOR SITE SURVEYS AFFECTING KIRTLAND AFB**
- **MILCON AT KIRTLAND AFB**
- **ISSUES**
- **CONCLUSION**

## **PURPOSE**

- **COLLECT BUDGET QUALITY DATA TO PRESENT TO BASE CLOSURE EXECUTIVE GROUP (BCEG)**
- **VALIDATE THE COST NECESSARY TO REALIGN KIRTLAND AFB**
- **AFTER APPROVAL, SUBMIT TO THE 1995 BASE CLOSURE COMMISSION**



# GUIDANCE

- **PHILLIPS LAB WOULD REMAIN IN A CANTONMENT AREA**
- **AIR NATIONAL GUARD AND AIR FORCE RESERVE WOULD REMAIN IN A CANTONMENT AREA**
- **KUMSC WOULD REMAIN IN A CANTONMENT AREA**
- **SELECTED UNITS WOULD REMAIN**
- **377 ABW WOULD INACTIVATE**
- **TENANTS WOULD MOVE OR INACTIVATE**
- **TOTAL DOD ACTIVE DUTY MILITARY PRESENCE WOULD BE  $\leq 100$**

# **SCHEDULE FOR BUDGET SUBMISSION FOR KIRTLAND AFB**

- **ON-GOING PROCESS**
- **CONSOLIDATED BY 377th CARE OFFICE**
- **COORDINATED THROUGH 377th & PL FM's**
  
- **7 APR 95 - VALIDATED BY AFAA**
- **10 APR 95 - BUDGET COMPLETED**
- **12 APR 95 - BUDGET TO SMC**
- **19 APR 95 - BUDGET TO HQ AFMC**
- **26 APR 95 - MILCON BRIEFING TO HQ USAF/CE**
- **1 MAY 95 - BRIEFING TO BCEG**

# **SCHEDULE FOR SITE SURVEYS AFFECTING KIRTLAND AFB**

- **20-24 MAR 95 - KELLY AFB/LACKLAND AFB**
- **22-24 MAR 95 - EGLIN AFB**
- **27-30 MAR 95 - NELLIS AFB**
- **3-7 APR 95 - HOLLOMAN AFB**

# MILCON - PHILLIPS LAB

<b>BC - INSTALL ELECTRIC METERS</b>	<b>\$230K</b>
<b>BC - INSTALL GAS METERS</b>	<b>\$16K</b>
<b>BC - ISOLATE/METER SANITARY SEWER SYSTEM</b>	<b>\$2,600K</b>
<b>BC - RENOVATE HEAT PLANT</b>	<b>\$430K</b>
<b>BC - ADD TO SECURITY FENCE</b>	<b>\$2,200K</b>
<b>BC - CONSOLIDATED SUPPORT FACILITY</b>	<b>\$1,400K</b>
<b>BC - ADVANCED WEAPONS LAB</b>	<b>\$2,250K</b>
<b>BC - SPACE POWER LAB</b>	<b>\$2,300K</b>
<b>BC - ALTER UTILITIES</b>	<b>\$1,050K</b>
<b>BC - FACILITY MAINTENANCE OPERATIONS</b>	<b>\$4,350K</b>
<b>BC - HIGH POWER MICROWAVE LAB</b>	<b>\$1,550K</b>
	<b>\$18,376K</b>

## MILCON - KUMSC

<b>BC - ADMIN AREA ADDITION</b>	<b>\$700K</b>
<b>BC - ADD TO AND ALTER SECURITY FENCE</b>	<b>\$1,300K</b>
<b>BC - METER UTILITIES</b>	<b>\$10K</b>
<b>BC - RESERVE FIRE TEAM FACILITY</b>	<b>\$500K</b>
<b>BC - REMOTE ARMORY</b>	<b>\$280K</b>
	<b>\$2,790K</b>

### POTENTIAL REQUIREMENT

<b>BC - KUMSC SUPPLY WAREHOUSE</b>	<b>\$1,700K</b>
<b>(REQUIRED ONLY IF BLDG 1010 BECOMES UNAVAILABLE)</b>	

**MILCON**  
**AIR NATIONAL GUARD**

<b>BC - JET FUEL STORAGE</b>	<b>\$1,875K</b>
<b>BC - ADD TO CIVIL ENGINEERING MAINTENANCE FACILITY</b>	<b>\$240K</b>
<b>BC - ISOLATE/METER UTILITY SYSTEM</b>	<b>\$100K</b>
<b>BC - CONSOLIDATED SUPPORT FACILITY</b>	<b>\$1,350K</b>
<b>BC - CONSTRUCT SECURITY FENCE</b>	<b>\$310K</b>
<b>BC - DINING HALL AND RESERVE FORCES GENERAL TRAINING FAC</b>	<b>\$3,300K</b>
	<hr/> <b>\$7,675K</b>

**KIRTLAND AFB MILCON**

**\$28,141K**

# ISSUES

- **NUMBER OF ACTIVITY DUTY MILITARY REMAINING AT KIRTLAND AFB**
- **FIELD COMMAND DEFENSE NUCLEAR AGENCY (FCDNA) REMAINING AT KIRTLAND AFB**
- **ENVIRONMENTAL PERMITS FOR FCDNA AT KELLY AFB/NELLIS AFB**
- **COST FOR DOE TO MAINTAIN KIRTLAND AFB**
- **AIR FORCE RETENTION OF KIRTLAND SOUTH**
- **GROWTH POTENTIAL FOR KIRTLAND AFB**
  - **AIR QUALITY**



# **CONCLUSION**

- **THE REALIGNMENT OF KIRTLAND AFB IS A SIGNIFICANT EMOTIONAL EVENT**
- **KIRTLAND AFB IS ON SCHEDULE**
- **LOT OF WORK STILL AHEAD**
- **PERSONAL “THANK YOU” TO BGEN PEREZ AND STAFF FOR OUTSTANDING SUPPORT**

# **EGLIN ARB SITE SURVEY OUTBRIEF**

# AGENDA

- ◆ **PURPOSE**
- ◆ **GUIDANCE**
- ◆ **SCHEDULE FOR EGLIN AFB BUDGET SUBMISSION**

---

- ◆ **SCHEDULE FOR KIRTLAND AFB BUDGET SUBMISSION**
- ◆ **SCHEDULE FOR SITE SURVEYS AFFECTING EGLIN AFB**
- ◆ **MILCON AT EGLIN AFB**
- ◆ **CONCLUSION**

# PURPOSE

- ◆ COLLECT BUDGET QUALITY DATA TO PRESENT TO BASE CLOSURE EXECUTIVE GROUP (BCEG)

---

- ◆ ~~VALIDATE THE COST NECESSARY FOR EGLIN AFB~~
- ◆ VALIDATE THE COSTS NECESSARY FOR KIRTLAND AFB
- ◆ AFTER APPROVAL, SUBMIT TO THE 1995 BASE CLOSURE COMMISSION

# GUIDANCE

- ◆ **AFOTEC WILL MOVE TO EGLIN AFB FROM KIRTLAND AFB**

---

- ◆ **505TH COMMAND CONTROL EVALUATION GROUP (CCEG) WILL MOVE TO HURBURT FIELD FROM KIRTLAND AFB**
- ◆ **THREAT SIMULATORS WILL MOVE TO NELLIS COMPLEX FROM EGLIN AFB**

# SCHEDULE FOR BUDGET SUBMISSION FOR EGLIN AFB

- ◆ ON-GOING PROCESS
  - ◆ CONSOLIDATED BY AFDTC/XP
  - ◆ ~~COORDINATED THROUGH AFDTC/DRP~~
- 
- ◆ 7 APR 95 - MILCON VALIDATED BY AFAA
  - ◆ 10 APR 95 - BUDGET COMPLETED
  - ◆ 19 APR 95 - BUDGET VALIDATED BY HQ AFMC
  - ◆ 26 APR 95 - MILCON BRIEFING TO HQ USAF/CE
  - ◆ 1 MAY 95 - BRIEFING TO BCEG

# SCHEDULE FOR BUDGET SUBMISSION FOR KIRTLAND AFB

- ◆ ON-GOING PROCESS
- ◆ CONSOLIDATED BY 377th CARE OFFICE
- ◆ ~~COORDINATED THROUGH 377th & PL FM's~~
  
- ◆ 7 APR 95 - MILCON VALIDATED BY AFAA
- ◆ 10 APR 95 - BUDGET COMPLETED
- ◆ 12 APR 95 - BUDGET TO SMC
- ◆ 19 APR 95 - BUDGET TO HQ AFMC
- ◆ 26 APR 95 - MILCON BRIEFING TO HQ USAF/CE
- ◆ 1 MAY 95 - BRIEFING TO BCEG

# SCHEDULE FOR SITE SURVEYS AFFECTING EGLIN AFB

◆ 27-30 MAR 95 - NELLIS AFB

◆ ~~29 MAR 95 - BUFFALO, NY~~

◆ 5 APR 95 - FT WORTH, TX



# MILCON - AFOTEC

- ◆ **THREE PART PROCESS**
  - **PART 1 - AREAS IN AGREEMENT**
  - **PART 2 - AREAS REQUIRING ADDITIONAL RESEARCH**
  - **PART 3 - AREAS REQUIRING COMMANDER INVOLVEMENT**
- ◆ **PAPERWORK WILL BE ATTACHED TO DD 1391 IDENTIFYING AREAS WHERE REQUIREMENTS ARE NOT YET VALIDATED**
  - **ACTIONS ITEMS, POCs, AND SUSPENSES WILL BE IDENTIFIED**
  - **ALL SUSPENSES CLOSED BY 31 MAR 95**
- ◆ **PROPOSED COST OF MILCON - \$20.177M**
- ◆ **TOTAL SQ FT - 132,000**
- ◆ **ADDITIONAL BRAC COMM REQUIREMENTS - \$972K**

# PART 2

- ◆ **POTENTIAL SHARED CAPABILITIES**
  - **QUALITY IMPROVEMENT TRAINING**
  - **OT&E AND COMPUTER TRAINING**
  - **WAREHOUSE**

---

  - **HQ PRESENTATION CENTER**
  - **AUDIO VISUAL SUPPORT**
  - **GRAPHICS SUPPORT**
  - **TS/SAR VTC**
- ◆ **162 SQ FT PER PERSON VS 134 SQ FT PER PERSON**
- ◆ **ACC COMMITMENT TO SUPPORT 31 TES FUNCTION**
- ◆ **SCIF/SAR SPACE**
- ◆ **CONSOLIDATING DET 2, AFOTEC WITH HQ AFOTEC**
- ◆ **EGLIN'S CAPABILITY TO MEET ELECTRICAL POWER DEMANDS**

# MILCON - 505 CCEG

- ◆ HURLBURT FIELD
    - SCOPE (\$6.9M)
    - ◆ 39,600 SQ ST
    - ◆ 139 PERSONNEL
- 

20  
MAY.04 '95 15:48 HQ AFLLC/XRJ WRIGHT-PATTERSON OH

# MILCON ELECTRONIC WARFARE

◆ ESTIMATED COSTS - \$4M

◆ ~~COSTS VALIDATED DURING FUTURE SITE SURVEY~~

# EGLIN AFB MILCON

---

**\$28.1M - ON-BASE**

# CONCLUSION

- ◆ BRAC IS A SIGNIFICANT EMOTIONAL EVENT
  - ◆ EGLIN AFB IS ON SCHEDULE
- 
- ◆ LOT OF WORK STILL AHEAD
  - ◆ PERSONAL "THANK YOU" TO MGEN CRANSTON AND STAFF FOR OUTSTANDING SUPPORT

UNCLASSIFIED

***HEADQUARTERS AIR COMBAT  
COMMAND***



***DIRECTOR  
OF  
PLANS & PROGRAMS***

**BRAC 95  
FIELD COMMAND  
DEFENSE NUCLEAR AGENCY**

**NELLIS AFB, NEVADA**

**27-30 MAR 95**

**HQ ACC/XPPB**

UNCLASSIFIED

**UNCLASSIFIED**

**APPENDIX A**



**UNCLASSIFIED**

**VII. ELECTROMAGNETIC TEST ENVIRONMENT (EMTE)**

**WORKING GROUP CHAIRPERSON:** Col Wesley J. Heidenreich, 412 TW/EW, DSN 525-7610

**BASE POC:** Lt Col Wallace, WTC/RANS, DSN 682-3600

**ANALYSIS:**

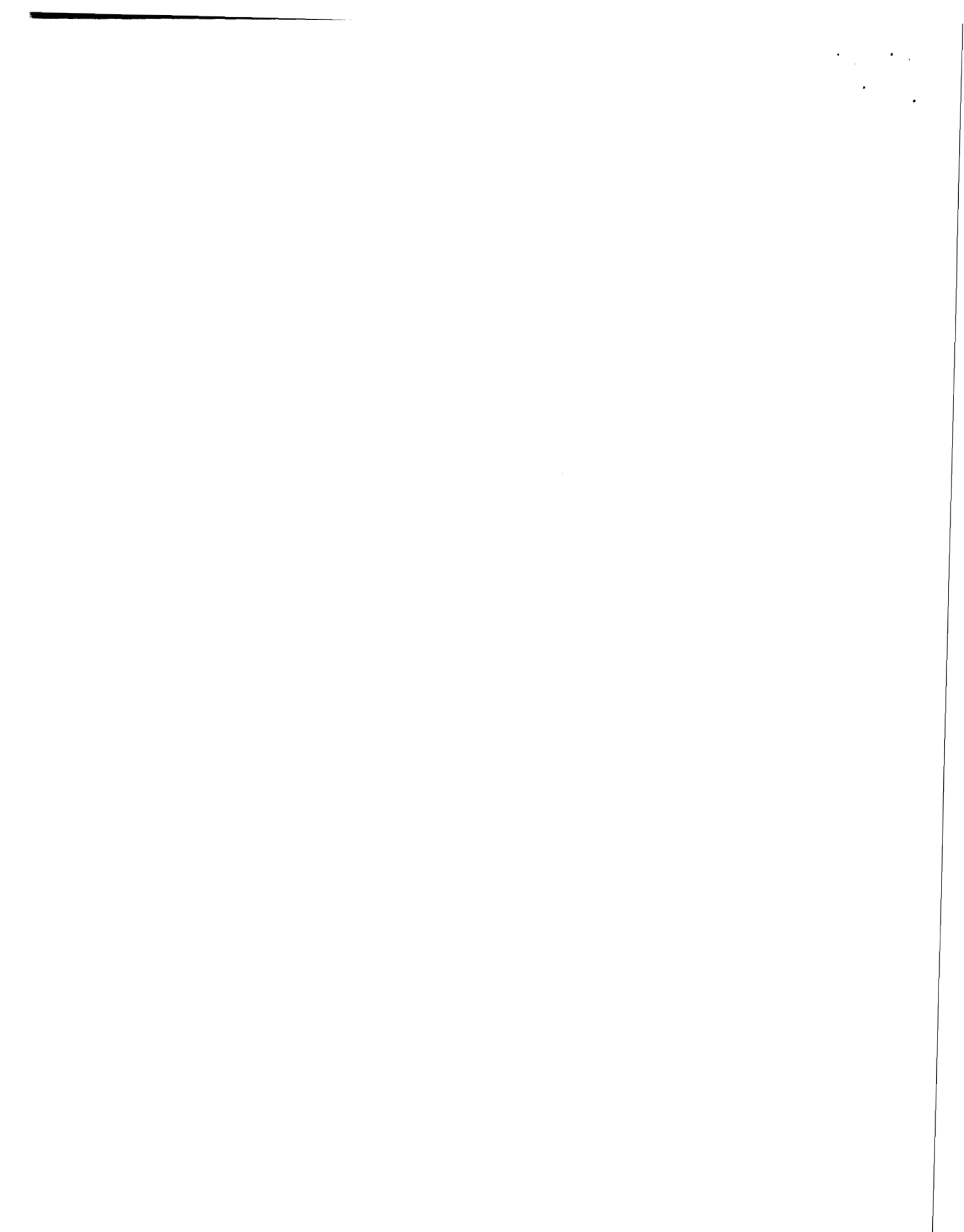
EMTE was directed to move from Eglin AFB to the Nellis Range complex and Western Ranges under the SECDEF's recommendation to the Defense Base Closure and Realignment Commission. The impact EMTE customer TDY has on Nellis AFB proper has been assessed to be significant however MILCON expenditure is not required at this time.

**UNCLASSIFIED**

UNCLASSIFIED

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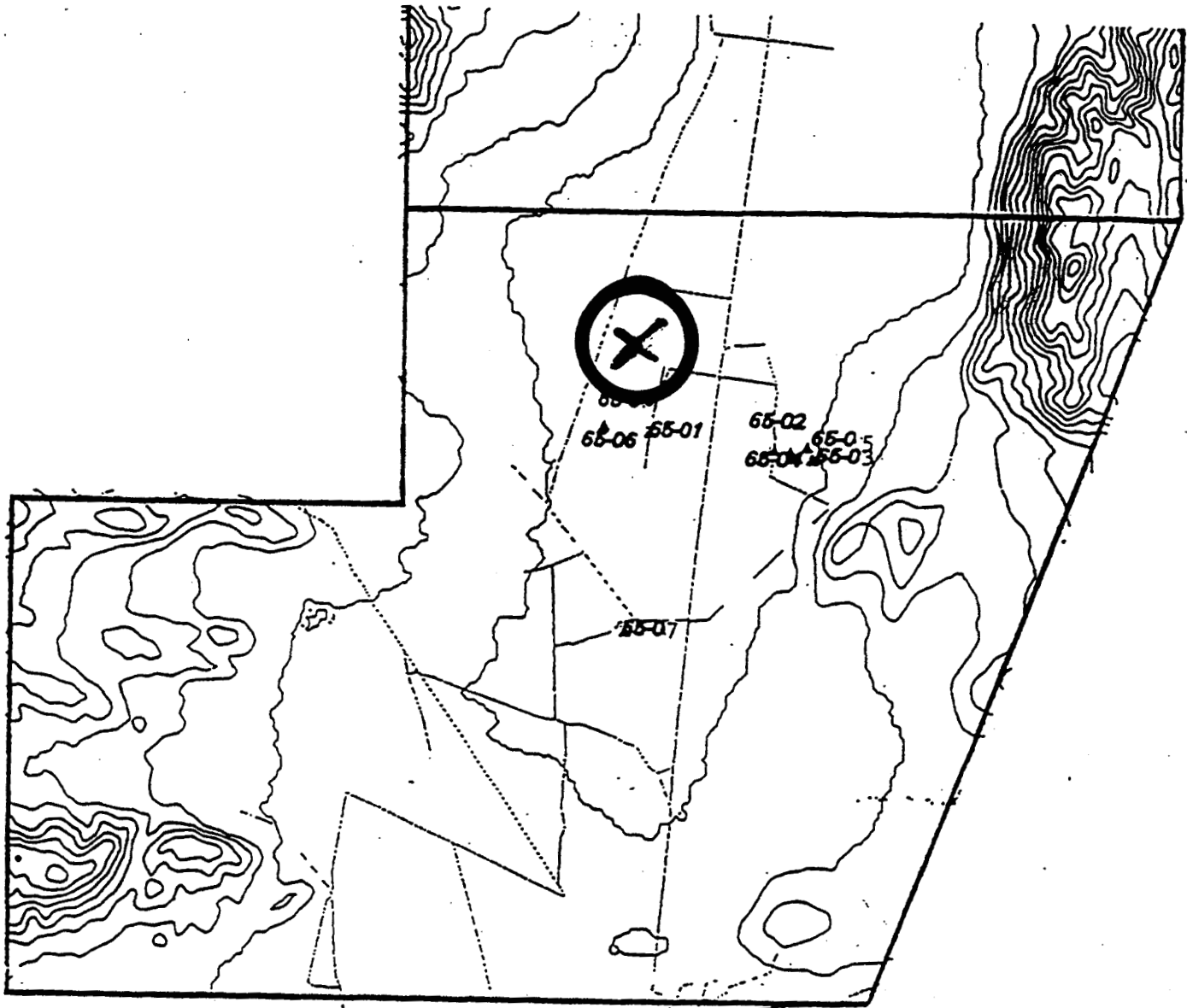
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HQ ACC/INA/INF 129 Andrews St. Ste 150 Langley AFB VA 23665-2767	2
FCDNA 1680 Texas St SE Kirtland AFB, NM 87117-5000	3
USAF AWC/CS 203 West D Avenue Rm 600 Eglin AFB FL 32542-6867	1
USAF WTC/CC/CS 4370 North Washington Blvd Ste 117 Nellis AFB NV 89191-7076	2
USAF WTC/XP 4370 North Washington Blvd, Ste 220 Nellis AFB, NV 89191-7076	5
Defense Nuclear Agency 6801 Telegraph Rd Alexandria, VA 22310	1
AFAA/FSS 5023 4th St March AFB CA 92518	2
HQ AFMC/XPX 4375 Chidlaw St , Ste B Wright-Patterson AFB, OH 45433-5006	1
Total	51

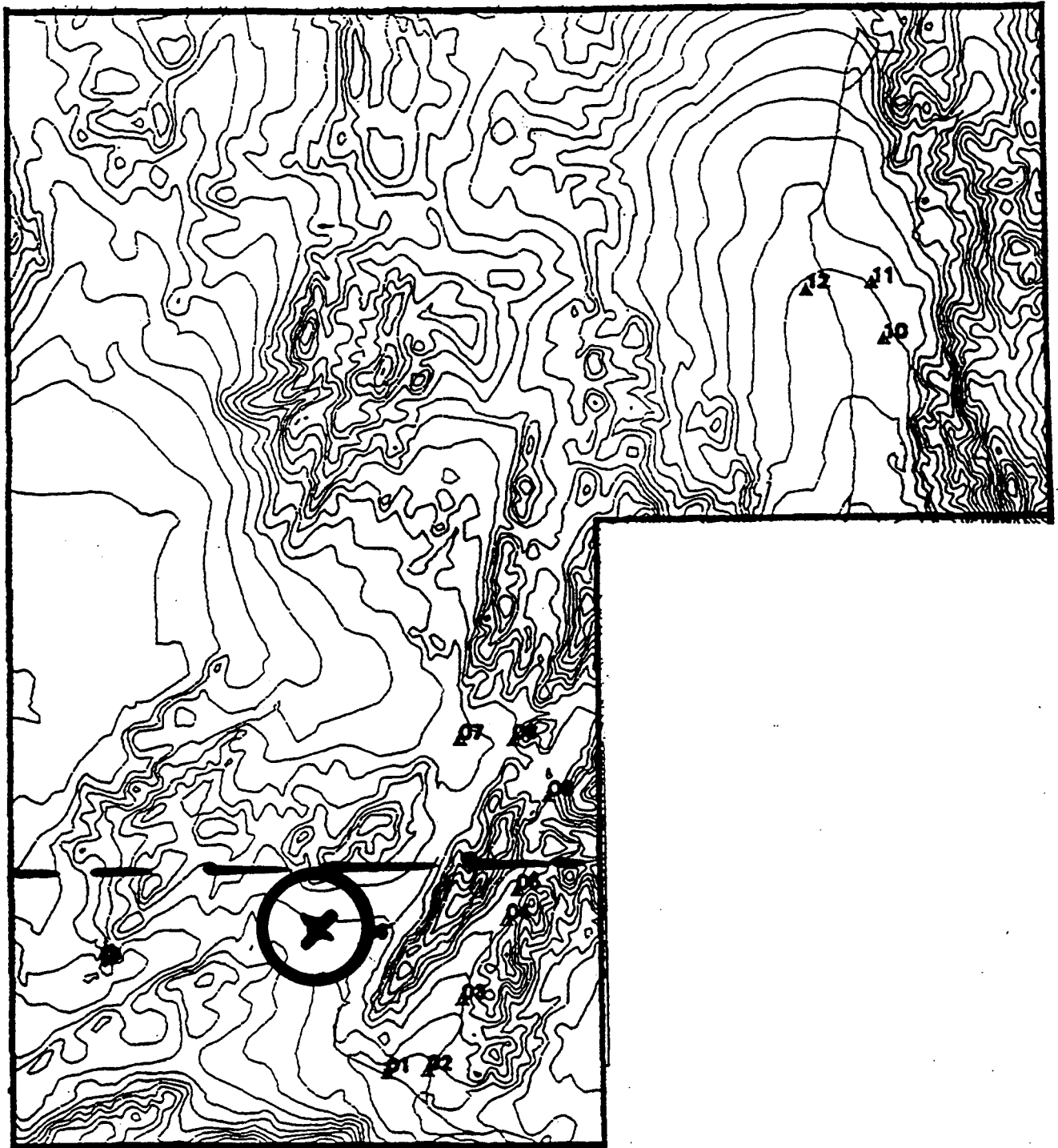
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HQ ACC/DOR/DOS/DOT 205 Dodd Blvd. STE 101 Langley AFB VA 23665-2789	3
HQ ACC/DRB/DRC/DRF/DRM/DRSMO-2 204 Dodd Blvd. Ste 226 Langley AFB, VA 23665-7777	5
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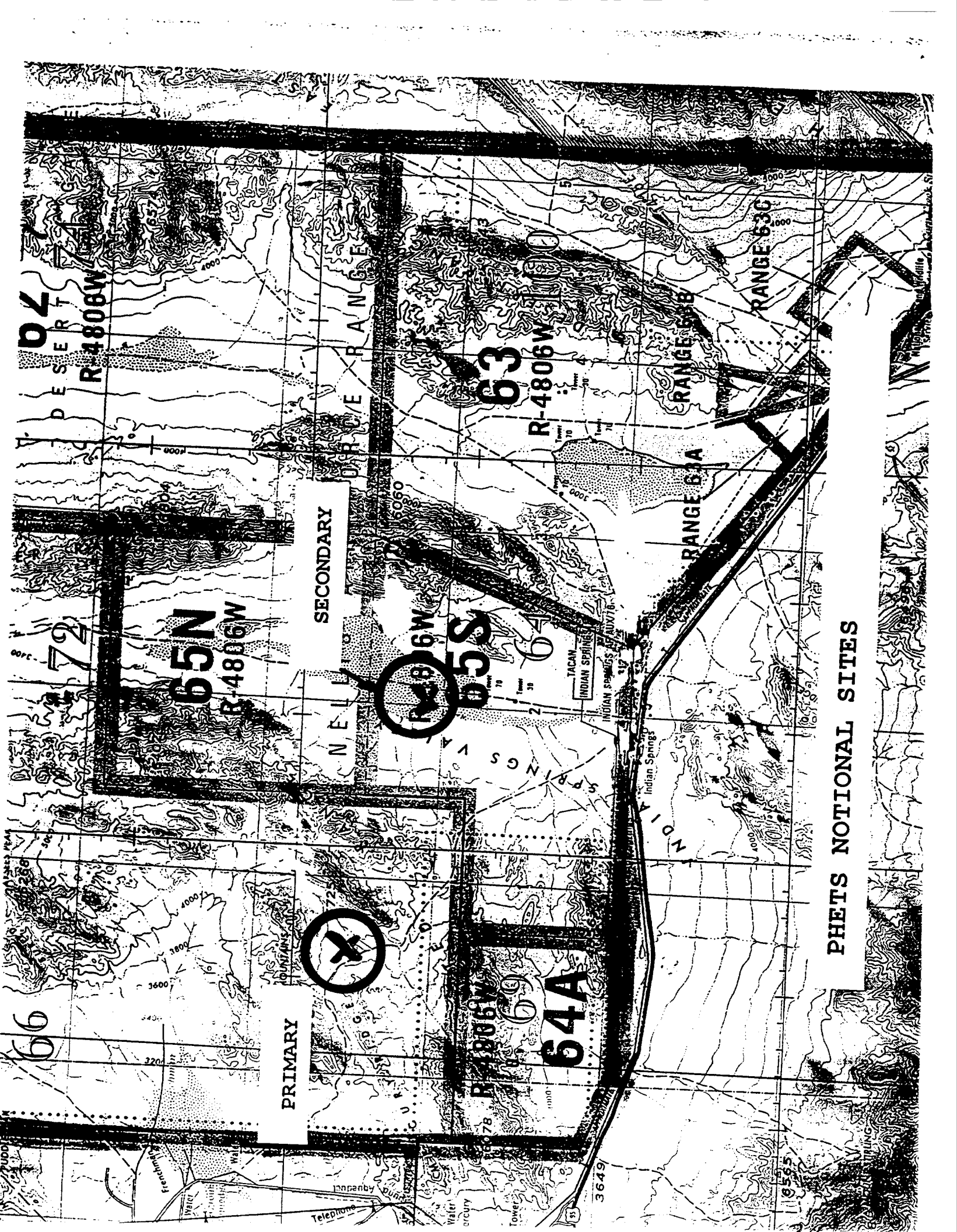
RANGE 65 TARGETS



RANGE 64 TARGETS



PHETS NOTIONAL SITE-64S



PRIMARY

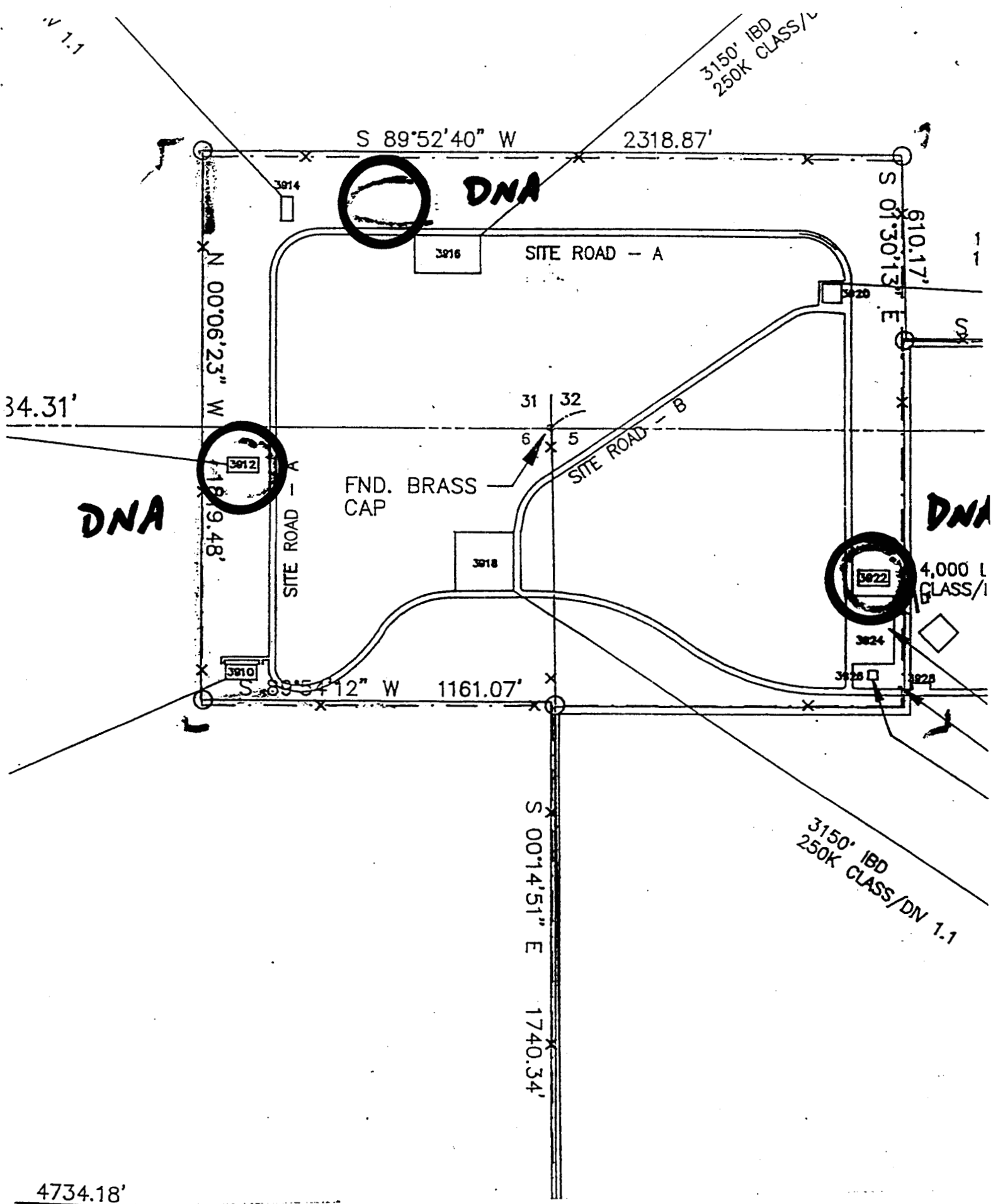


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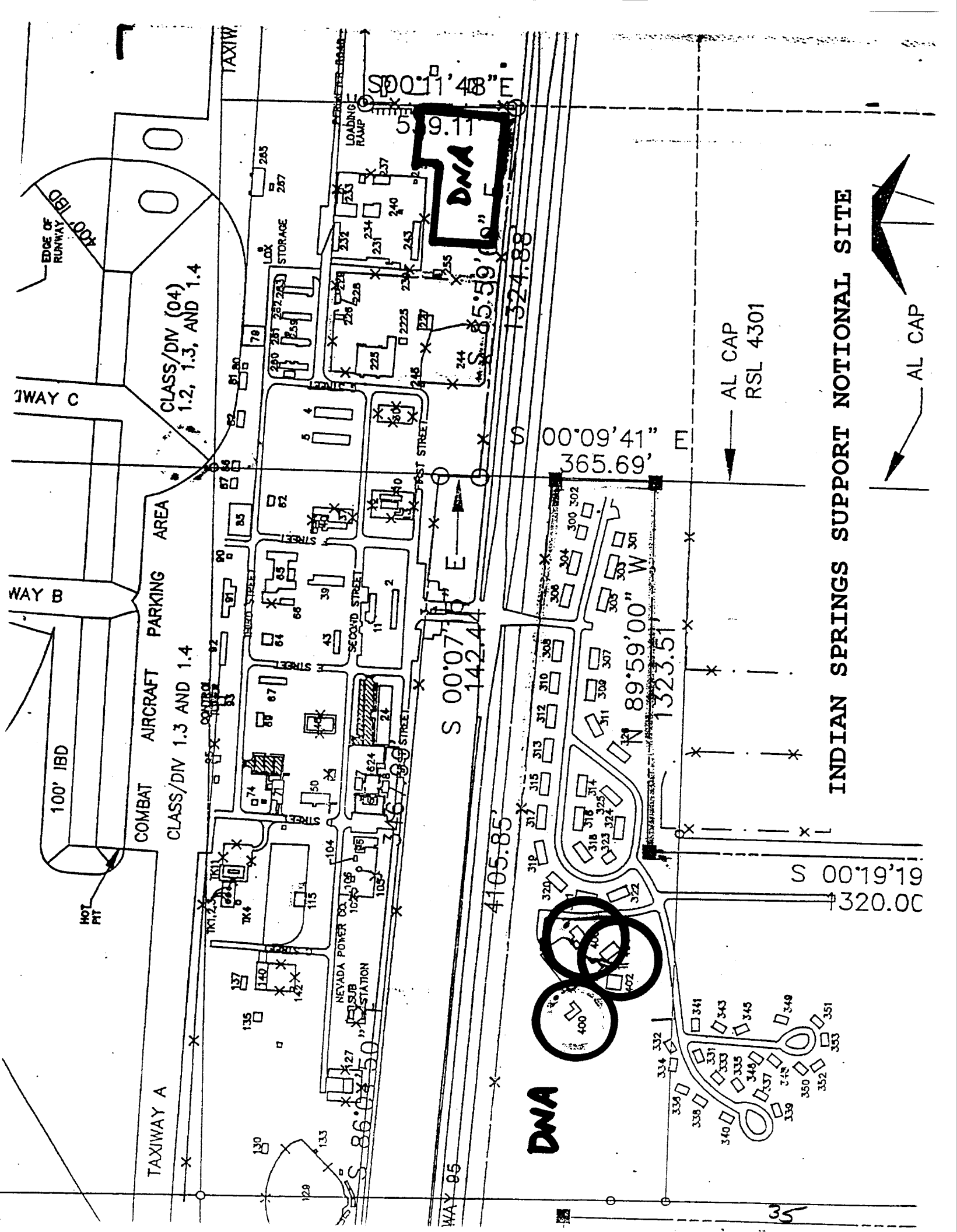


PHETS NOTIONAL SITES





INDIAN SPRINGS SUPPORT NOTIONAL SITE



INDIAN SPRINGS SUPPORT NATIONAL SITE



AL CAP  
RSL 4301

DNA

DNA

WAY 95

CLASS/DIV (04)  
1.2, 1.3, AND 1.4

COMBAT AIRCRAFT PARKING AREA  
CLASS/DIV 1.3 AND 1.4

TAXIWAY A

WAY B

100' IBD

EDGE OF RUNWAY

WAY C

TAXIWAY D

S 00°19'19"  
320.00

00°09'41"  
365.69' E

N 89°59'00" W  
1323.51

S 00°07'10" E  
142.41

4105.85

1324.88

900.148' E

9.11

S 85°59'00" E  
1324.88

S 86°07'50"

103.50

NEVADA POWER CO.  
SUB STATION

1040

103

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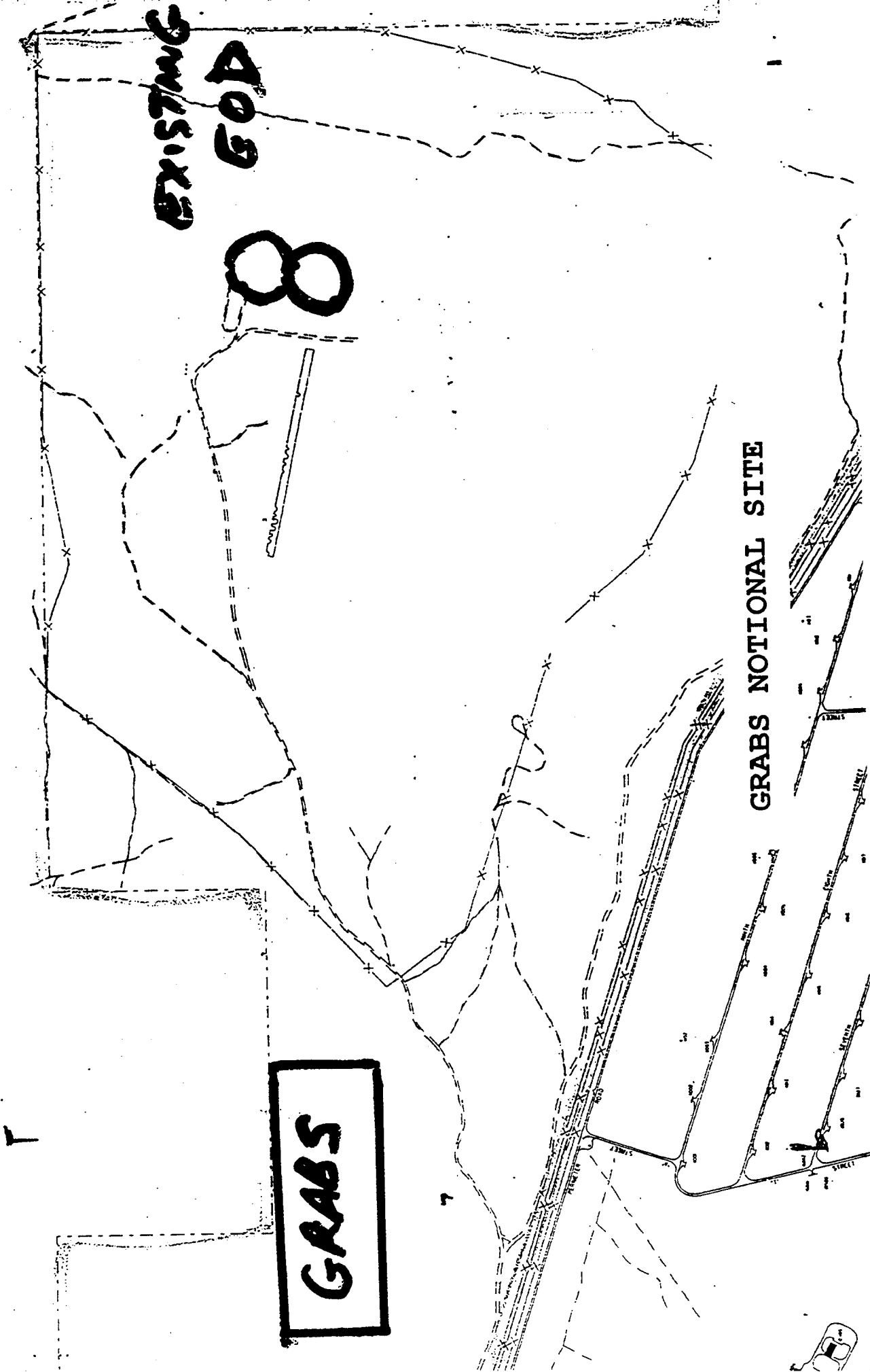
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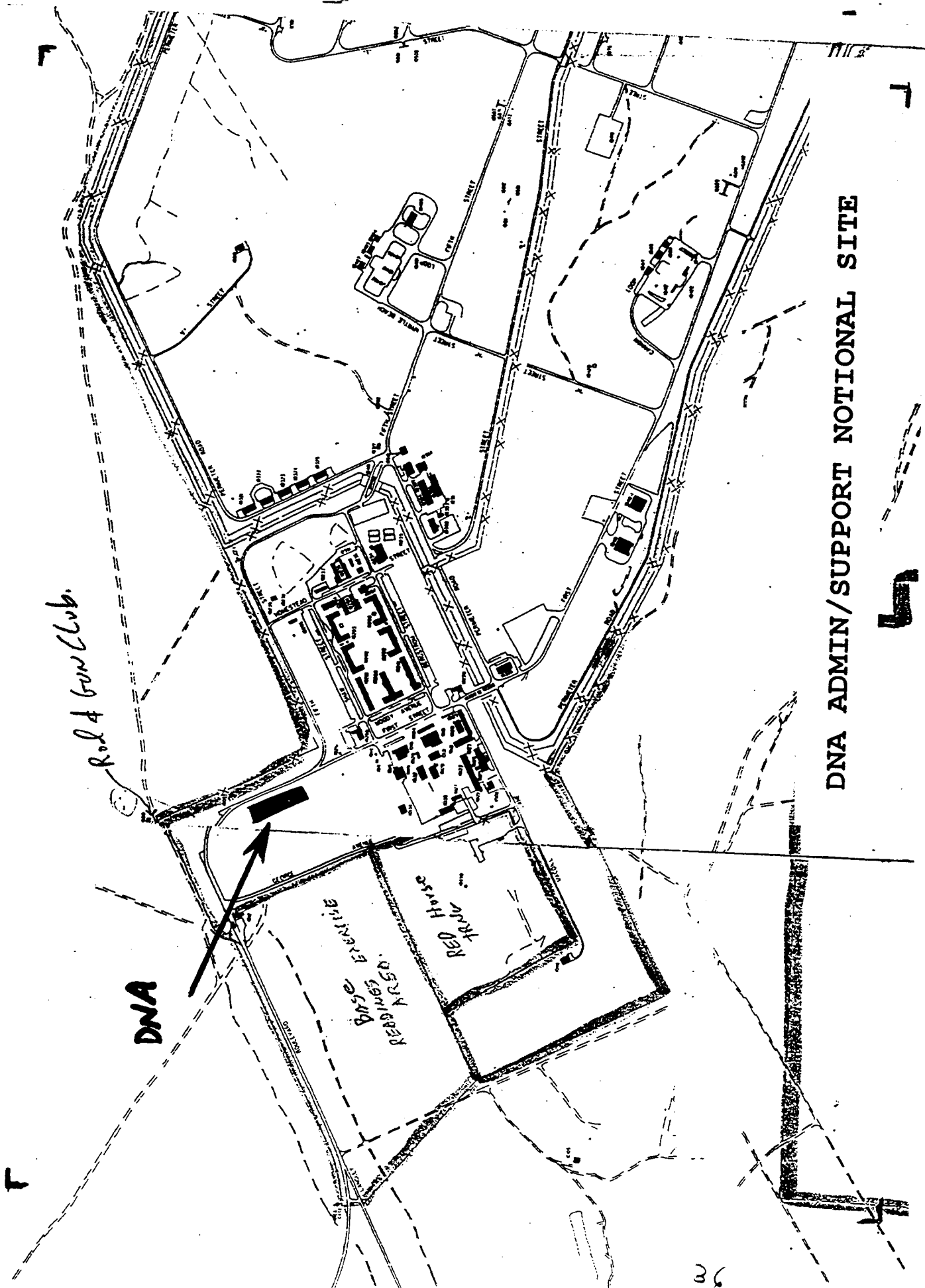
EXISTING  
DOG

8

GRABS

GRABS NOTIONAL SITE





*Red & Gun Club.*

**DNA**

*BERNARD'S SADDLERY  
RED TRAMP HORSE*

**DNA ADMIN/SUPPORT NATIONAL SITE**

**UNCLASSIFIED**

**APPENDIX B**

**SPECIFIC PROVISIONS(Cont.)**

**CATEGORY OF SUPPORT**

**SUPPLIER WILL:**

**RECEIVER WILL:**

**(B35d) AIRFIELD BASE OPERATIONS**

1. Manage airfield support activities and facilities. Provide service for preflight planning and flight plan processing.

**(B35e) AMMUNITION**

1. Provide for the supply, maintenance, and repair of devices charged with explosives, propellants, pyrotechnics, initiating composition of nuclear, biological, or chemical material for use in connection with defense or offense including demolitions, ceremonial, or non-operational purposes.

**(B35f) AVIONICS MAINTENANCE**

1. Provide off-equipment maintenance of avionics equipment and components. On-equipment maintenance of avionics equipment and systems when size or mission of the RECEIVER does not warrant such capability within the tenant unit.

**(B35g) BASE PLANS**

1. When a base plans function is identified and authorized, develops and monitors the application of base-level operations and contingency plans not specifically assigned by directive to other functional areas. Provides personnel for on-base emergency contingencies where the RECEIVER does not have a capability.

**(B35h) CLOTHING AND TEXTILE**

1. Provide for the supply, maintenance, and repair of organizational clothing, equipment footwear, and other material suitable for wearing.

**(B35i) CONSOLIDATED COMMAND POST**

1. Provide command and control facilities and services for RECEIVER units. SUPPLIER is responsible for command post consolidation and coordination of operations.

**(B35j) ELECTRICAL EQUIPMENT AND COMPONENTS**

1. Provide for the supply, maintenance, and repair of general or special purpose electrical equipment and their components.

**(B35k) FLIGHT OPERATIONS**

1. Manage support aircraft resources as stated in AFR 60-1 and operates a centralized air crew life support equipment and their components.

**SPECIFIC PROVISIONS(Cont.)**

**CATEGORY OF SUPPORT**

**SUPPLIER WILL:**

**RECEIVER WILL:**

**(B29) REFUSE COLLECTION AND DISPOSAL**

1. Provide collection and disposal of trash and waste materials, to include operation of incinerators and other facilities and equipment intended for the transportation, disposal, or destruction of waste materials.

**(B30) RESOURCE MANAGEMENT**

1. Provide funds management, cost analysis services, and formulation, reporting and execution of operating budgets. Provide reports of survey actions.

**(B31) TRAINING SERVICES**

1. Provide instructions and use of target ranges, simulators and other training facilities.

**(B32) TRANSPORTATION SERVICES**

1. Provide travel office services, and other transportation services related to both commercial and government owned transportation of personnel and materiel, to include shipment planning, packing and crating, port clearance, scheduling, processing of transportation documents, and provision of related transportation services for both personnel and personal property.

**(B33) UTILITIES**

1. Provide for procurement, production and distribution of utilities, heating, and air conditioning. Also provide energy consumption and conservation programs.

**(B34) WEATHER SERVICES**

1. Advise and provide timely notification of weather conditions that may affect planned activities.

**(B35) OTHER SUPPORT**

1. Provide services as outlined below.

**(B35a) AERIAL PHOTOGRAPHY**

1. Provide photographs taken from the air.

**(B35b) AERIAL PORT OPERATIONS**

1. Manage and operate the military air terminal facility and provides air terminal services. Provide custom, drug, anti smuggling inspection, and examination of aircraft, and passengers.

**(B35c) AIRCRAFT MAINTENANCE**

1. Provide all aspects of aircraft maintenance (e.g., corrosion control, machine, AGE, NDI, repair and reclamation, structural repair, etc.) not previously addressed.

**SPECIFIC PROVISIONS(Cont.)**

**CATEGORY OF SUPPORT**

**SUPPLIER WILL:**

**RECEIVER WILL:**

**(B35w) RECORDS AND FORMS  
FLIGHT MANAGEMENT**

1. Complete air crew resource management data system for all standard functions as prescribed in AFI 11-401, *Flight Management* and AFI 11-210, *Instrument Refresher Course*.

**(B35x) SEARCH AND RESCUE**

1. Make provisions to include aircraft, surface craft, submarines, specialized rescue teams, and equipment to search for and rescue personnel in distress on land or at sea.

**(B35y) SHIPS AND VESSELS**

1. Make provisions to include the supply, maintenance, and repair of ships and vessels, including when applicable the armament, electronics, communications, and any other equipment that are an integral part of the ships and vessels.

**(B35z) SUGGESTION PROGRAM**

1. Provide assistance as necessary and complies with host directive and budgets for cash awards.

**(B35aa) SYNTHETIC TRAINER**

1. Make provisions to include installing, maintaining and where appropriate, operates synthetic trainers, except air crew training devices.

**(B35ab) TEST AND EVALUATION**

1. Provide testing items of material, systems, or techniques under a simulated or actual operational conditions to determine whether the specific military requirements or characteristics are satisfied.



**SPECIFIC PROVISIONS(Cont.)**

**CATEGORY OF SUPPORT**

**SUPPLIER WILL:**

**RECEIVER WILL:**

**(B35i) GEODETIC SUPPORT**

1. Provide for aeronautical charts, maps, flight information publications, and associated air navigation materials used in planning and conducting of air and ground operations.

**(B35m) INTELLIGENCE  
COLLECTION**

1. Provide intelligence support and related facilities.

**(B35n) LIFE SUPPORT EQUIPMENT**

1. Provide the supply, maintenance, and repair of any equipment, either mechanical or manual, or substance, designed to keep individuals alive.

**(B35o) LOGISTICS AIR SUPPORT**

1. Provide support by air landing or air drop including air supply, movement of personnel, evacuation of casualties and prisoners of war, and recovery of designated resources.

**(B35p) MAINTENANCE CONTROL**

1. Provide maintenance control and material control services.

**(B35q) MISSILES**

1. Provide the supply maintenance, and repair of missile systems and associated equipment. Includes mechanical, electronic, and communication equipment which is an integral part of a missile system.

**(B35r) MISSILES EQUIPMENT AND  
COMPONENTS**

1. Provide the supply, maintenance, and repair of missile equipment and components when they are not an integral part of the missile system.

**(B35s) OFF-EQUIPMENT**

1. Provide on-equipment maintenance support, ensures proper recovery equipment and plan is available.

**(B35t) SURVIVAL EQUIPMENT  
MAINTENANCE**

1. Provide maintenance and repair of survival equipment (including parachutes, flight clothing, flotation equipment, survival kits, etc.).

**(B35u) PRECISION MEASUREMENT  
EQUIPMENT LABORATORY  
(PMEL)**

1. Provide precision measurement laboratory support.

**(B35v) QUALITY ASSURANCE**

1. Provide quality assurance, inspection, and related support.

**SPECIFIC PROVISIONS(Cont.)**

**CATEGORY OF SUPPORT**

**SUPPLIER WILL:**

**RECEIVER WILL:**

**(B19) HOUSING AND LODGING SERVICES**

1. Provide accommodations and housing referral services for authorized personnel. Also provide transient accommodations.

**(B20) INFORMATION SERVICES**

1. Provide technical and legal libraries and services that provide limited reference information for specific purposes.

**(B21) INSTALLATION RETAIL SUPPLY AND STORAGE OPERATIONS**

1. Provide storage and distribution of commodities, materials, equipment and fuels, to include all operations from receipt of material and equipment into storage to issue and shipment of items from storage.

**(B22) LAUNDRY AND DRY CLEANING**

1. Provide cleaning, storage, and delivery.

**(B23) LEGAL SERVICES**

1. Provide advice and services on all legal matters pertaining to legal assistance, military justice, initial claims processing, line-of-duty investigation reports, property utilization, and personnel matters such as conflicts of interest, standards of conduct, and grievance hearings/reviews.

**(B24) MILITARY PERSONNEL SUPPORT**

1. Provide passport, forces stamp, social security, and other personal affairs services for military personnel, to include processing of identification cards, testing of individuals, casualty assistance reporting, relocation assistance, and transient assistance.

**(B25) MOBILIZATION SUPPORT**

1. Provide planning, provisioning and support for mobilization of reserve and guard forces.

**(B26) MORTUARY SERVICES**

1. Provide, CONUS, port, and overseas mortuary services.

**(B27) PRINTING AND REPRODUCTION**

1. Provide the operation of centralized printing and duplication services.

**(B28) PURCHASING AND CONTRACTING SERVICES**

1. Provide acquisition and contract administration services for procurement of property, equipment, services, and supplies.

**SPECIFIC PROVISIONS(Cont.)**

**CATEGORY OF SUPPORT**

**SUPPLIER WILL:**

**RECEIVER WILL:**

**(B9) CUSTODIAL SERVICES**

1. Provide janitorial and cleaning services for offices, common use areas, shops, and storage areas.

**(B10) EDUCATION SERVICES**

1. Provide instruction, counseling, and testing.

**(B11) ENGINEERING SUPPORT**

1. Provide planning, design and programming functions necessary to the construction, fabrication, and repair of facilities and equipment.

**(B12) EQUIPMENT OPERATION,  
MAINTENANCE, AND  
REPAIR**

1. Provide motor pool operations, maintenance and repair services, to include maintenance and repair of industrial equipment, electronic equipment, and office equipment.

**(B13) EXPLOSIVE ORDNANCE**

1. Provide services and facilities for explosive ordnance storage, disposal and training.

**(B14) FACILITIES AND REAL  
PROPERTY SUPPORT**

1. Provide facilities and real property, to include construction of new facilities and structures, addition to existing facilities, and alterations that change the use of existing facilities.

**(B15) FACILITY MAINTENANCE  
AND REPAIR**

1. Provide maintenance and repair of real property, installed equipment, structures, roads, grounds, railroads and surfaced areas. Includes entomology and pest control.

**(B16) FINANCE AND ACCOUNTING**

1. Provide expense, reimbursement, working fund, payroll and leave accounting, to include disbursing, voucher and invoice examination, financial reporting, and the development of accounting systems.

**(B17) FOOD SERVICES**

1. Provide preparation and serving of food to authorized personnel, and the operation of dining facilities.

**(B18) HEALTH SERVICES**

1. Provide outpatient testing, treatment, rehabilitation, and associated professional services and medical support; may also include inpatient services. Also provide environmental health inspections, quality assurance services, and veterinarian services.

**SPECIFIC PROVISIONS(Cont.)**

**CATEGORY OF SUPPORT**

**SUPPLIER WILL:**

**RECEIVER WILL:**

**(A10) SAFETY**

1. Operate safety programs, educational support, and promotional efforts.

**(A11) SHUTTLE SERVICES**

1. Operate common use taxis, vans and bus transportation services.

**(B1) ADMINISTRATIVE SERVICES**

1. Provide records management, personnel locator, document control and handling, forms and publications, copying services, Armed Forces Courier Service Support, and maintenance of official publications reference libraries. Also includes mail sorting, routing, and delivery services not provided by the United States Postal Service.

**(B2) AUDIO/VISUAL SERVICES**

1. Provide still photography, graphics, presentation services, films, microfilms, micrographic services, video tapes, and other visual media information services.

**(B3) AUTOMATED DATA  
PROCESSING/AUTOMATION  
SERVICES**

1. Provide data processing services and systems analysis design, development, execution, and life cycle maintenance.

**(B4) CIVILIAN PERSONNEL  
SERVICES**

1. Provide employment, placement, classification, employee management, labor relations, employee development, and equal employment opportunity services related to civilians and local nationals.

**(B5) CLUBS**

1. Provide officer, enlisted, all hands, aero, community, and other recreational clubs. Also includes golf courses, bowling alleys, campgrounds, marinas, and related services.

**(B6) COMMUNICATION SERVICES**

1. Provide base communications facilities, telephone equipment and services. May also include leasing of communication equipment, lines, and special communications-electronics equipment services.

**(B7) COMMUNITY SUPPORT  
SERVICES**

1. Provide child development and care programs, youth services, family support center activities, hobby shops, and craft centers.

**(B8) CONFINEMENT AND  
DETENTION CENTERS**

1. Provide personnel confinement and detention services.

## SPECIFIC PROVISIONS

### CATEGORY OF SUPPORT

### SUPPLIER WILL:

### RECEIVER WILL:

**(A1) CHAPEL AND CHAPLAIN SERVICES**

1. Provide pastoral ministry, worship services, religious pastoral rites, pastoral visits, spiritual counseling and religious education.

**(A2) COMMAND ELEMENT**

1. Provide command activities necessary to the accomplishment of mandatory reimbursable support services. Also includes installation wide public affairs services and social-action counseling services.

**(A3) COMMON USE FACILITY OPERATIONS, MAINTENANCE, REPAIR AND CONSTRUCTION**

1. Provide operation, maintenance, repair and minor construction or alteration of common use infrastructure, roads, ground, surfaced areas, structures, real property and installed equipment. Also includes common benefit signs, energy consumption, snow removal and beautification projects.

**(A4) DISASTER PREPAREDNESS**

1. Operate disaster preparedness programs and related services, equipment, and facility support for emergencies and wartime operations.

**(A5) ENVIRONMENTAL COMPLIANCE**

1. Provide administration of programs for the control and disposal of hazardous materials and other forms of pollution. Also includes recycling and resource recovery programs.

2. Provide administrative and legal response to federal, state or local regulatory agencies notices of violations of environmental laws and regulations arising out of RECEIVER's activities conducted under this agreement.

**(A6) FIRE PROTECTION**

1. Provide fire fighting, protection, and prevention programs.

**(A7) LIBRARIES**

1. Provide recreational and general reference library service.

**(A8) MORALE AND FITNESS SUPPORT**

1. Provide theaters, parks, recreational centers, gyms, fitness centers, athletic fields, and related services.

**(A9) POLICE SERVICES**

1. Provide guards, security protection, maintenance of law and order, and crime prevention measures.

DISTRIBUTION

OFF BASE

HQ ACC LGXCA  
130 DOUGLAS ST STE C-117  
LANGLEY AFB, VA 23665-2791

DEFENSE NUCLEAR AGENCY  
P.O. BOX 98539  
LAS VEGAS, NV 89193

ON BASE

554 SG/SGAM  
554 CPTS/FMA  
554 MSS/MSIX  
554 SVS/SVXM  
554 SPS/SPPX  
554 SUPS/LGSP  
554 TRNS/LGTR  
554 TRNS/LGTL  
554 MSS/MSM-1  
WTC/JA  
WTC/MO  
DAO-DE/NEFS

**SPECIFIC PROVISIONS (Cont.)**

**CATEGORY OF SUPPORT**

**SUPPLIER WILL:**

**RECEIVER WILL:**

**(B26) MORTUARY**

1. Arrange for handling and disposition of bodies of deceased Armed Forces personnel in accordance with current directives and when requested by Commander, FCDNA, or his designated representative.

1. Provide the Commander, Nellis AFB, with handling and disposition instructions for deceased personnel.

**(B31) TRAINING SERVICES**

1. Provide range facilities, instructors, weapons and ammunition as needed for required small arms training and weapons qualification.

1. Request small arms training support in writing from the Commander, 554 GCTF, at least 30 days prior to desired training dates(s).

**(B32) TRANSPORTATION SERVICES**

1. Provide inbound and outbound household goods and hold baggage type service and support for Armed Forces personnel assigned to FCDNA.

1. Provide the necessary information as required.

**SPECIFIC PROVISIONS (Cont.)**

**CATEGORY OF SUPPORT**

**SUPPLIER WILL:**

**RECEIVER WILL:**

**(B19) HOUSING AND  
LODGING SERVICES  
(Cont.)**

2. Provide family housing for Armed Forces personnel assigned to FCDNA activities on an equal basis with those assigned to the supplying activity.

2. Provide personnel housing information as required.

**(B21) INSTALLATION  
RETAIL SUPPLY**

1. Provide common, generally expendable material or equipment.

1. Request supplies IAW Nellis AFB directives.

2. Provide POL for FCDNA-owned and/or FCDNA assigned vehicles.

2. Acquire POL products IAW Nellis AFB directives.

**(B23) LEGAL SERVICES**

1. Render legal assistance to military personnel and their dependents assigned to FCDNA.

1. General, Special, and Summary Courts Martial jurisdiction and Article 15, UCMJ authority over FCDNA personnel assigned to NTS will be retained by Commander, FCDNA.

2. Provide Claims Service.

2. Provide the required information IAW legal's directives and procedures.

**(B24) MILITARY  
PERSONNEL  
SUPPORT**

1. Provide the following Mission Support Services for Air Force personnel assigned to the Nevada Test Site: Forward all rosters requiring verification by the Commander directly to NTS. Nellis MPF will furnish information of all retirement applications to Field Command, DNA.

1. Furnish required information for the preparation of initial Data Change Worksheets and AF Forms 2096 and 2098 to Nellis Mission Support Squadron. All applicables for release from active duty, reassignment or extension/curtailment will be processed by NTS directly to Field Command, DNA; FCDNA will furnish all other personnel information as required.

2. Process and issue Armed Forces Identification Cards for Air Force Personnel as outlined in AFR 30-20 and for Army and Navy personnel as requested by the Chief, Test Construction Division.

2. Complete and verify applications for issuances of Armed Forces Identification Cards for Army and Navy personnel assigned to NTS. Verification will be made by the Chief, Test Construction Division.

3. Process and issue Uniformed Services Identification and Privilege Cards for dependents of Air Force personnel as outlined in AFR 30-20 and for dependents of Army and Navy personnel as requested by the Chief, Test Construction Division.

3. Complete and verify application Cards for Army and Navy personnel assigned to NTS. Verification will be made by the Chief, Test Construction Division.

4. The MPF will provide the same out-bound assignment relocation processing service to AF personnel stationed at NTS that is afforded to the SUPPLIER at Nellis AFB.

4. Notify SUPPLIER when support is required.



## SPECIFIC PROVISIONS

CATEGORY OF SUPPORT	SUPPLIER WILL:	RECEIVER WILL:
<b>(A8) MORALE AND FITNESS SUPPORT</b>	<ol style="list-style-type: none"><li>1. Provide athletic, recreation, morale and welfare services to Armed Forces personnel assigned to FCDNA on an equal basis with those assigned to the SUPPLIER's activity.</li></ol>	<ol style="list-style-type: none"><li>1. Comply with all applicable SUPPLIER directives.</li></ol>
<b>(A9) POLICE SERVICES</b>	<ol style="list-style-type: none"><li>1. Provide security for classified shipments routed to NAFB for loading or off-loading during the period the shipment is on Nellis AFB, Nevada.</li></ol>	<ol style="list-style-type: none"><li>1. Provide normal base security and provide security guards for classified shipments during the periods the shipment is enroute to or from Nellis AFB.</li></ol>
<b>(B1) ADMINISTRATIVE SERVICES</b>	<ol style="list-style-type: none"><li>1. Furnish distribution of such Air Force Publications forms as may be pertinent.</li><li>2. Provide duplicating services as defined in AFR 6-1 on a mutual support basis as required to supplement existing capabilities.</li></ol>	<ol style="list-style-type: none"><li>1. Keep the supply activity advised as to required publications and blank forms, and comply with applicable Air Force and NAFB administrative directives.</li><li>2. Comply with all applicable SUPPLIER directives.</li></ol>
<b>(B7) COMMUNITY SUPPORT</b>	<ol style="list-style-type: none"><li>1. Provide site exchange activity at Camp Mercury through the Army and Air Force Exchange Service.</li><li>2. Provide Red Cross assistance to Armed Forces personnel as authorized in current regulations and as requested by the Field Command Test Directorate.</li></ol>	<ol style="list-style-type: none"><li>1. Provide space, utilities, and sales for the exchange activity at Camp Mercury.</li><li>2. Request support.</li></ol>
<b>(B16) FINANCE AND ACCOUNTING</b>	<ol style="list-style-type: none"><li>1. Provide finance services for Armed Forces and civilian personnel assigned or attached to Field Command, DNA as required.</li></ol>	<ol style="list-style-type: none"><li>1. Provide required information on personnel assigned to FCDNA as required by the SUPPLIER.</li></ol>
<b>(B18) HEALTH SERVICES</b>	<ol style="list-style-type: none"><li>1. Provide medical and dental care for active duty and dependent military personnel. Care provided to dependent personnel will be limited to capabilities of USAF Hospital as determined by the Hospital Commander. Upon request, obtain bacteriological and chemical analysis of dairy products.</li></ol>	<ol style="list-style-type: none"><li>1. Follow procedures set forth by SUPPLIER.</li></ol>
<b>(B19) HOUSING AND LODGING SERVICES</b>	<ol style="list-style-type: none"><li>1. Provide enlisted billeting space as required for FCDNA personnel. Military unit integrity will be maintained.</li></ol>	<ol style="list-style-type: none"><li>1. Provide personnel billeting information as required.</li></ol>

**11. GENERAL PROVISIONS** (Complete blank spaces and add additional general provisions as appropriate: e.g., exceptions to printed provisions, additional parties to this agreement, billing and reimbursement instructions.)

- a. The receiving components will provide the supplying component projections of requested support. (Significant changes in the receiving component's support requirements should be submitted to the supplying component in a manner that will permit timely modification of resource requirements.)
- b. It is the responsibility of the supplying component to bring any required or requested change in support to the attention of FCDNA Atm: FCRPI, 1680 Texas St SE, Kirkland AFB, NM 87117-5669 prior to changing or cancelling support.
- c. The component providing reimbursable support in this agreement will submit statements of costs to: FCDNA Atm: FCRPI, 1680 Texas St SE, Kirkland AFB, NM 87117-5669
- d. All rates expressing the unit cost of services provided in this agreement are based on current rates which may be subject to change for uncontrollable reasons, such as legislation, DoD directives, and commercial utility rate increases. The receiver will be notified immediately of such rate changes that must be passed through to the support receivers.
- e. This agreement may be cancelled at any time by mutual consent of the parties concerned. This agreement may also be cancelled by either party upon giving at least 180 days written notice to the other party.
- f. In case of mobilization or other emergency, this agreement will remain in force only within supplier's capabilities.
- g. The Test Construction Division, Test Directorate is a tri-service unit of the Field Command, DNA located at the Department of Energy's Nevada Test Site, Mercury, NV. They provide engineering, logistical, and administrative support for Field Command, Defense Nuclear Agency and FCDNA sponsored agencies in on-site weapons effect tests and off-site weapons effects as directed.
- h. This agreement will terminate NLT Jan 2005 unless otherwise extended
- i. This agreement will remain in effect during wartime.
- j. This agreement may be modified by mutual consent of both parties.
- k. An annual budget review will be conducted to revise reimbursable costs as necessary.
- l. All direct and indirect incremental costs for provided support are reimbursable to the Supplying Activity. all reimbursement costs identified in Atch 1 of this agreement are estimates only.

ADDITIONAL GENERAL PROVISIONS ATTACHED:  YES  NO

**12. SPECIFIC PROVISIONS** (As appropriate: e.g., location and size of occupied facilities, unique supplier and receiver responsibilities, conditions, requirements, quality standards, and criteria for measurement/reimbursement of unique requirements.)

The DNA consists of 2 officers, 7 enlisted, and 11 civilians.

**Attachments:**

- 1. Funding Annex
- 2. Specific Provisions
- 3. Manpower Annex
- 4. Distribution

ADDITIONAL SPECIFIC PROVISIONS ATTACHED:  YES  NO

## SUPPORT AGREEMENT

<b>1. AGREEMENT NUMBER</b> <i>(Provided by Supplier)</i>	<b>2. SUPERSEDED AGREE. NO.</b> <i>(If this replaces another agreement)</i>  FB4852-87268-002	<b>3. EFFECTIVE DATE (YYMMDD)</b>	<b>4. EXPIRATION DATE</b> <i>(May be "Indefinite")</i>  INDEFINITE
<b>5. SUPPLYING ACTIVITY</b> a. NAME AND ADDRESS USAF Weapons and Tactics Center 554 TRNS/LGTL 6255 Depot Road Nellis AFB Nevada 89191-7224		<b>6. RECEIVING ACTIVITY</b> a. NAME AND ADDRESS Field Command Defense Nuclear Agency (FCDNA) ATTN: FCRPI 1680 Texas St SE Kirkland AFB New Mexico 87117-5669	
b. MAJOR COMMAND  Air Combat Command (ACC)		b. MAJOR COMMAND  HD1102	
<b>7. SUPPORT PROVIDED BY SUPPLIER</b>			
a. SUPPORT <i>(Specify what, when, where, and how much)</i>  Mandatory Support Categories: (See Attachment 1)  Optional Support Categories: (See Attachment 1)  Total Estimated Reimbursement:		b. BASIS FOR REIMBURSEMENT	c. ESTIMATED REIMBURSEMENT
ADDITIONAL SUPPORT REQUIREMENTS ATTACHED: <input checked="" type="checkbox"/> YES		<input type="checkbox"/> NO	
<b>8. SUPPLYING COMPONENT</b>		<b>9. RECEIVING COMPONENT</b>	
a. COMPTROLLER SIGNATURE  CHARLES F. LATZKE, COI, USAF	b. DATE SIGNED	a. COMPTROLLER SIGNATURE	b. DATE SIGNED
c. APPROVING AUTHORITY (1) Typed Name CARROL H. CHANDLER		c. APPROVING AUTHORITY (1) Typed Name	
(2) Organization Colonel, USAF Commander, 554 Support Group	(3) Telephone Number	(2) Organization	(3) Telephone Number
(4) Signature	(5) Date Signed	(4) Signature	(5) Date Signed
<b>10. TERMINATION</b> <i>(Complete only when agreement is terminated prior to scheduled expiration date.)</i>			
a. APPROVING AUTHORITY SIGNATURE	b. DATE SIGNED	c. APPROVING AUTHORITY SIGNATURE	b. DATE SIGNED

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II. EQUIPMENT TEAR-DOWN AND REINSTALLATION

A. GRABS - 20 ft dia	\$5,050,000
2 ft dia	180,000
7 in dia	130,000
B. Instrumentation - 38 truckloads	190,000
C. PHETS (ANFO Plant, concrete plant, etc)	17,000,000
SUB TOTAL:	22,550,000

III. CIVILIAN PERSONNEL PCS COSTS

50 people @ \$40,000	2,000,000
SUB TOTAL III	\$ 2,000,000
TOTAL	\$24,650,000

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MATERIAL, EQUIPMENT AND PERSONNEL RELOCATION TO NELLIS AFB

I. OFFICE MATERIALS AND EQUIPMENT WEIGHT

A. Books, Files, etc 250 people x 400 lbs/person	100,000 lbs
B. Computer Equipment 140 stations x 100 lbs/station	14,000 lbs
C. Systems Furniture 36 stations x 800 lbs/station	28,800 lbs
D. Office Furniture 85 stations x 600 lbs/station	51,000 lbs
E. Conference Room Furniture	10,000 lbs
F. Safes and File Cabinets Safes 24 @ 1000 lbs ea Cabinets 500 @ 300 lbs ea	24,000 lbs 150,000 lbs
G. Tech Library 165 cartons @ 50 lbs ea	8,250 lbs
	<hr/> 386,050 lbs

386,050 divided by 20,000 lbs/truck = 19.3 truck loads @ \$5,000 per truck load = \$100,000

Subtotal I \$100,000

Attachment L-4

**UNCLASSIFIED**

**SUPPORTING DATA**

**TEST OPERATIONS VEHICLES**

<b>TYPE OF VEHICLE</b>	<b># EA TYPE</b>	<b># TO NELLIS</b>	<b>#TO INDIAN SPRINGS</b>
Sedan	18	18	-
Station Wagon	4	4	-
Pick-up	38	38	-
Van	5	5	-
Stake truck	5	3	2
Truck tractor	3	1	2
Fork Lift	12	4	8
Backhoe	1	-	1
Trailers	28	-	28
Warehouse tug	1	-	1
Road roller	2	-	2
Trencher	2	-	2
Road grader	1	-	1
Scoop loader	2	-	2
Dump truck	3	-	3
Water sprinkler	3	-	3
Gasoline tanker	2	-	2
Trailer van	5	-	5
Drill rig	1	-	1
Crane	1	-	1
<b>TOTAL</b>	<u>137</u>	<u>73</u>	<u>64</u>

Attachment L-3

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b. Explosive storage needs: Explosive storage at Nellis AFB proper will have to be provided to meet the following requirements:

TYPE	SQUARE FEET	NET EXPLOSIVE WT	COMMENT
Storage	100	1,000	Detonators
Storage	100	1,000	Pyrotechnics
Inert Storage	1,500	0	Shipping Containers
Storage	700	10,000	
Storage	700	10,000	

**3. RECOMMENDATION:**

a. Stop the excessing action at ISAFAF housing area.

b. Construct one 700SF storage magazine at Nellis proper to meet above requirements. These requirements are identified in the Facilities section of this report.

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**TRANSPORTATION**

ISAFAF POC: Maj Roger Schofield, WTC RTI/DO DSN 682-0301

NELLIS POC: Capt Brooks Reese, 554 TRNS/LGTM DSN 682-5748

**Vehicle Operations and Maintenance:**

1. **ANALYSIS:** Attachment L-3 lists the vehicles and equipment which require support as well as the distribution between the ISAFAF site and the Nellis AFB site. There are sufficient existing vehicle maintenance facilities at ISAFAF for the sixty five vehicles to be based there. At Nellis there is presently insufficient manpower and space to adequately maintain assigned vehicles. The addition of seventy-three vehicles to the base work load will require construction of an additional 1,700 square foot vehicle maintenance facility.
2. **RECOMMENDATION:** Construct an additional 1,700 square feet of vehicle maintenance capacity.

**Traffic Management**

FCDNA POC: Lt Col Richard Grimes, DSN 246-8606; (Secondary: Col Richard Schutes, DSN246-7791)

1. **ANALYSIS:** Attachment L-4 lists the classifications, quantities, and preliminary estimated cost of the various items of material and equipment which requires shipment to Nellis AFB/ISAFAF. The preliminary estimated cost is \$24,650,000. A final estimated cost is being prepared and is scheduled to be available after 10 Apr 95.

**TEST SUPPORT**

1. **ANALYSIS:**

a **ISAFAF Facilities:** At ISAFAF there are temporary lodging facilities for 250 people which can be used by FCDNA. (Adequacy of these quarters has not been assessed.) There are messing facilities also. In the community of Indian Springs proper there is a small motel, grocery store, restaurant and gas station. Across the highway from ISAFAF there is an old family housing area with mobile home hook-up facilities and inadequate housing facilities. This housing site has been declared excess to Air Force needs and is being disposed of by the Corps of Engineers, the Air Force's real property agent. The Air Force is in the process of stopping this excessing action, therefore, the trailer hook-up locations could be used to install temporary lodging/office facilities for foreign military customers on board for test set-up and the test event.



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**VI. LOGISTICS**

**WORKING GROUP CHAIRPERSON:** Mr. Bruce E. Conklin, HQ DNA/LEEE,  
DSN221-1163; COM 703-325-1163

**SUPPORT AGREEMENT**

**BASE POC:** TSgt Connie Jenkins & Mr. Tom Hales, 554 TRANS/LGTL DSN 682-2034

**1. ANALYSIS:**

a. There presently is an Inter-service Support Agreement (ISSA) being finalized between Nellis AFB and FCDNA for support of FCDNA's geographically separated unit working at the Nevada Test Site (Appendix A/L-1 & L-2). This ISSA could be modified to incorporate any of the reimbursable services offered by Nellis. This range of services replicates the services presently available to FCDNA at Kirtland AFB.

b. The PHETS has a requirement for the collection of weather data for up to three days before, during and after a shot. This data is presently gathered by WSMR using a portable meteorological station. This type of measuring equipment is not available at Nellis AFB. What Nellis uses is computer simulation to provide weather data for their range missions. This is not suitable for PHETS requirements.

**2. RECOMMENDATION:**

a. Procure and provide portable weather station equipment for use during PHETS experiments.

b. Amplify ISSA item A5 Environmental Support, to have Nellis AFB provide assistance with permitting actions for land use through federal, state and local agencies.

**MAINTENANCE/SUPPLY**

**BASE POC:** TSgt Connie Jenkins, DSN 682-2034; TSgt Ronald Sinkfield, DSN 682-8322

FCDNA's mission related maintenance and supply storage functions will be accomplished in new facilities provided for their sole use with the following exceptions:

a. Supply receiving and shipping functions will be per ISSA.

b. Supply of vehicle fuels and fuels component of ANFO for PHETS will be per ISSA.

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**3. RECOMMENDATIONS:**

a. Establish a joint use arrangement for use of the GRABS site in which the two organizations are geographically separated. An in-depth memorandum of understanding will need to be written as identified above.

b. Identify PHETS site at the earliest possible time in order to coordinate for EOD support for range clean-up.

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of training the EOD flight required and the problems foreseen in scheduling the use of the range, a geographical sharing arrangement was determined to be better for both parties.

c. GRABS Site Discussion: The proposed arrangement was to leave the EOD operations where they were currently located on the range and site the GRABS project on another portion of the range. Since both EOD and the GRABS project normally detonate considerably less than 1,000 lb NEW, the location of the GRABS site was proposed to be 1,250 feet from the EOD detonation site. This is the minimum distance allowable by the base weapons safety office. This would allow both organizations to perform operations with less than 50 lb NEW without effecting the other's operation. When the GRABS project needed to set off a charge larger than 50 lb NEW, they would build their test facility near the EOD detonation site. This will cause some conflicts in joint usage, but with enough proper coordination can be accomplished. The EOD flight may also need to perform an emergency destruction operation which would require the GRABS personnel to evacuate the area. The primary conflict results from the people building the structures having a clear visual path to classified EOD procedures being conducted. Secondly, detonations that EOD sets off could damage the structures being built. A less than optimal solution for this would be to construct a block wall or berm behind which the EOD technicians could work. Another concern is the Clark County Air Pollution Control Board had limited the range to 4,000 lb NEW per month. The amount of detonations EOD performs and the GRABS project plans should not reach this limit. The maintenance and ownership of the range was also addressed and a MOU would need to be established.

d. PHETS Site Discussion: The group identified the costs for performing both a general surface and localized subsurface clearance on Range 64 South, Weapons and Tactics Range Complex, Nellis AFB NV 89191. The work required to perform a complete surface and localized subsurface clearance of twelve 500 ft by 500 ft sites plus 150 miles of trenching on Range 64 South.

Cost of range clearance operations

10 EOD personnel

60 days to perform work

TDY cost = \$40,000

Equipment expenditure = \$20,000

Total \$60,000

The EOD career field is becoming very small. At certain times during the year Nellis will not be able to get 10 EOD personnel to come in TDY and perform this clearance. Site excavation to support EOD operations will require work on 12 sites at a cost of \$150K each. Total cost for this is \$1.8M. Therefore, this clearance will need to be planned well in advance and its timing will also need to be flexible.

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**V. EXPLOSIVE ORDNANCE DISPOSAL (EOD)**

Working Group Chairperson: Captain Thomas J. Svoboda, 558 CES/CED, DSN 682-1406

Base POC: MSgt Michael E. Jones, 558 CES/CED. DSN 682-1218

1. General: The FCDNA team surveyed the 558th Civil Engineering EOD Flight's proficiency range for possible use as a test location. Both complete take over of the range and a joint use plan were proposed. The implications of EOD clean-up of the PHETS site was also addressed.

2. ANALYSIS:

a. GRABS Site OPTION 1--FCDNA exclusive use of present EOD range.

1. The existing thermal treatment facility used to perform Ammunition Disposal Requests would need to be closed or relocated.

a. Unserviceable or excess munitions would need to be shipped to another site for disposal.

b. The environmental restoration required for a closure would need to be performed.

c. An alternative location would need to be sited and approved by the State EPA

2. The EOD flight would not have a place to conduct proficiency training.

a. Training involving ordnance or explosives must be performed on a sited training range.

b. Classified render safe procedures need to be performed in a remote location.

c. The existing runway used for Base Recovery After Attack training would be lost.

d. Flight members would have to go TDY to train incurring additional time and expense.

3. The base would be left without a place to perform emergency destruct operations on ordnance declared hazardous and unsuitable for storage or transport.

4. A suitable alternative to the proficiency range isn't available.

a. Range 63 is not sited for EOD training

b. Range 63A, Silver Flag Alpha, would require armed guard transportation of explosives

c. Travel times to Range 63 make it unsuitable

d. Going TDY to another base to obtain practical training is not practical

e. A thermal treatment facility would need to be sited in a new location

b. OPTION 2: FCDNA/558 CES/CED joint use arrangement. Both a time sharing arrangement and geography sharing arrangement were considered. Due to the extensive amount

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**3. RECOMMENDATIONS:**

- a. Develop an Inter-service Support Agreement (ISA) outlining environmental support requirements to include base and range activities.
- b. Site GRABS activity in Area II next to the EOD OB/OD site.
- c. Site HE test activity at the NTS. If the HE site location is selected at either 65S or 64S, immediately begin negotiations with the USFWS. Also, provide Nellis AFB full details of the proposed testing activity to allow them to formally request State and Federal Agency's approval.

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IV. ENVIRONMENTAL

WORKING GROUP CHAIRPERSON: Mr. Jay McCain, USAFWTC/EMJ, DSN 682-4163

CO-CHAIRPERSON: Maj Brian Huizenga, USAFWTC/EM3, DSN 682-6107

BASE POC: N/A

1. **GENERAL:** Environmental Management reviewed the options of placing the GRABS and High Explosive (HE) test sites at and around Nellis AFB. A limited amount of information was available regarding HE test particulars. The Nevada Division of Environmental Protection was contacted for an opinion as to the feasibility of performing this operation on the Nellis Range Complex. A preliminary opinion from the Clark County Health District- Air Pollution Division indicated that Air Quality is not a show stopper at either location. However, they will require additional information and a formal request to investigate further and provide a formal response.

2. **ANALYSIS:**

a. GRABS testing located at Nellis AFB in Area II. Environmentally this does not appear to be a problem. The area discussed was out at the EOD OB/OD site. The Nevada Division of Environmental Protection- Bureau of Federal Facilities was contacted to solicit their option. This location is isolated from the general base populace, is not within an Installation Restoration Program (IRP) site. The Desert Tortoise does exist in this area and a tortoise fence would be required with United States Department of Fish and Wildlife Service (USFWS) approval. The client identified the need to perform earth work in the area, which is also acceptable. This type of work will require standard dust and storm water permits before earthwork commences. A small population of the Desert Poppy (*Archomecon Californica*) that is a candidate for the threatened/endangered species, inhabits this area and will require USFWS coordination to clear if required.

b. HE testing was proposed on the south 60 series ranges (64S and 65S). With limited information regarding HE testing particulars the environmental office contacted the Nevada Department of Environmental Protection (NDEP) to request their viewpoint on this action. From the State's perspective this type of action is acceptable. However, all of the 60 series ranges fall within a National Wildlife Refuge and it is doubtful the USFWS will agree with this type of activity without some type of mitigation.

c. Additionally the team was asked to consider the feasibility of moving the Thorium seeded training site from Kirtland AFB to Nellis AFB versus Kelly AFB. NDEP was against the proposal of developing thorium fields on the 60 series ranges and suggested this type of action take place within the boundaries of the Nevada Test Site (NTS).

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<b>REAL PROPERTY OFFICER</b> Ms. Mary Ann Cox/558CES/CERR DSN 682-3302	\\Signed\\
<b>CHIEF ENGINEER</b> Ms. Kimberlee Benart/558CES/CEC DSN 682-6862	\\Signed\\
<b>RESOURCE MANAGER</b> Mr. Linard Harper/558CES/CERF DSN 682-8420	\\Signed\\
<b>ENVIRONMENTAL ENGINEER</b> Maj Brian Huizenga/USAFWTC/EM3 DSN 682-6107	\\Signed\\
<b>DEPUTY BASE CIVIL ENGINEER</b> Mr. Gene Rogers/558CES/CE2 DSN 682-4833	\\In Coordination\\

**b. AUDITORS**

(Print or Type Name/Office/DSN)	(Signature)
<b>AIR FORCE AUDITORS</b> John A. Williams, AFAA Det 918, Nellis AFB, DSN682-6915	\\Signed in Draft Form\\

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Eight MILCON projects were identified at an estimated cost of \$25.3M. See project summary below for detailed break-out of construction cost, see file copies of DD Form 1391 and AF Form 1178 parametric cost estimates.

**13. TOTAL ESTIMATED COST:** See project summary.

- a. Facility Cost Breakout (line item scope/cost):
- b. Source of Facility Cost for Each Line Item (AF Price Guide, Local Price Sources, etc.):

BRAC BUDGET PROGRAM OR \_\_\_\_\_  
PROGRAM ELEMENT CODE \_\_\_\_\_

**14. COST ESTIMATE PREPARED BY:**

a. BASE REPRESENTATIVE:

(Print or Type Name/Office/DSN)	(Signature) \\Signed\\
Mr. Dan Ocampo/558 CES/CECP, 682-3077 and Mr. Gordon Robertson, HQ ACC/CEPR, DSN574-3817	

b. FCDNA REPRESENTATIVE:

(Print or Type Name/Office/DSN)	(Signature) \\Signed\\
Mr Julian Paco/FCDNA/FCRPE DSN 246-8730	

**15. COORDINATION**

a. BASE

(Print or Type Name/Office/DSN)	(Signature)
COMMUNITY PLANNER 1Lt Jason Ellis/558CES/CECP DSN 682-4153	In Coordination
BASE MILCON PROGRAMMER Mr. Stanley Fueller/558CES/CECP DSN 682-8451	\\Signed\\



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**PURPOSE/LOCATION:** BRAC 95, FCDNA/FCT High Explosive Test Function from Kirtland AFB to Nellis AFB, NV

**SURVEY CONTROL NUMBER (If Required)** \_\_\_\_\_

1. **ACC/XP TEAM CHIEF (Name/Office/Phone):** Major Wade M. Palmore, ACC/XPPB, DSN 574-7159

2. **ACC/CE TEAM CHIEF (Name/Office/Phone):** Mr. Gordon J. Robertson, ACC/CEPR, DSN 574-3187

3. **BASE FUNCTIONAL EXPERT (Name/Office/Phone):** N/A New Mission. No Base Expertise.

4. **MAJCOM FUNCTIONAL EXPERT (Name/Office/Phone):** Col Harlan A. Lawson, FCDNA/FCT, DSN 246-5513

5. **TYPE OF CONSTRUCTION (ADAL, New Construction, Renovation):**

Primarily new construction and one renovation. See 1391's and 1178's on file 558 CES/CECP.

6. **CATEGORY CODE:** 610-287, Administrative; 319-946 Material Research Test Lab; 211-152 Gen Purpose Maint; 843-319 Infrastructure, 422-264 munitions storage, 442-758 warehouse storage.

7. **FUNCTION (i.e., Maintenance Shops, Supply Warehouse, Squad Ops):**

The FCDNA/FCT is an R&D mission which simulates and studies the effects on nuclear high explosions using conventional munitions.

10. **REQUIREMENTS (i.e., AFR 86-2, Weapons Systems Requirements Plan, etc):**

Reference ACC/XPPB Site Survey Report 27-30 Mar 95, Nellis AFB, NV. Actual personnel authorizations are 110 PN government and 125 PN contractor.

Special Purpose Space: Facility requirements summary and analysis are provided on tables 1.2 and 1.3 of the facilities section of this report

General Administrative Space: Same as above.

11. **ANALYSIS (Requirement Compared to Existing Facilities):**

See Facilities and Operations Analysis'.

12. **RECOMMENDATION:**

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BRAC 95 MILCON PROJECT SUMMARY  
FCDNA HIGH EXPLOSIVE TEST FUNCTION  
AT  
NELLIS AFB

NELLIS AFB PROPER

<u>PROJ#</u>	<u>DESCRIPTION</u>	<u>SCOPE</u>	<u>COST (\$000)</u>
RKMF97-3009	Const FCDNA Admin Spt	23,100 SF	3,600.0
RKMF97-3010	Const FCDNA Ops & Test Spt	54,600 SF	7,700.0
RKMF97-3011	Const GRABS site	125 AC	3,000
RKMF97-3012	Infrastructure & Misc Spt	LS	1,550.0
NELLIS AFB TOTAL:			\$15,850.0

INDIAN SPRINGS

<u>PROJ#</u>	<u>DESCRIPTION</u>	<u>SCOPE</u>	<u>COST (\$000)</u>
LKTC97-3013	Alter Admin Fac for FCDNA	7,500 SF	480.0
LKTC97-3014	Const FCDNA PHETS Fac	28,000 SF	3,850.0
LKTC97-3015	Const Munitions Storage Igloos	2,200 SF	610.0
INDIAN SPRINGS TOTAL:			\$4,940.0

RANGE 64S

<u>Proj #</u>	<u>DESCRIPTION</u>	<u>SCOPE</u>	<u>COST(000)</u>
FKXF97-3016	CONST PHETS Site	10 sq mi	4,500
RANGE TOTAL:			\$ 4,500

FCDNA BEDDOWN TOTAL: \$ 25,290

**NOTE:**

1. Facility costs do not include pre-wired work stations per HQ USAF/RTR.
2. Parametric cost estimates were accomplished using PDC, the Air Force pricing guide, 1995 Means Construction Cost Data and engineering experience. DD For 1391 and AF Form 1178 are on file with FCDNA. The base engineers raised concerns about the high bids -- historically experienced here at Nellis and specifically at Indian Springs.
3. Project costs are currently draft and still subject to review by FCDNA/FCT, HQ ACC/CE/XP and other agencies as required.

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3. **BEDDOWN ANALYSIS:** The site survey team in conjunction with Air Staff, Nellis AFB and AFAA personnel evaluated the overall FCDNA/FCT facility requirements against the existing facility capacity on Nellis AFB. Specifically, the team explored the use of the old hospital and the facilities vacated as a result of the F-4G inactivation. However, after a close examination of existing base development plans as a result of on-going mission changes, these facilities were determined to be unavailable. Specifically, the F-4G facilities have been identified for the F-22 FOT&E and Fighter Weapons School new mission beddown projected for Nellis AFB. The F-22 program is budgeted and programmed based upon the use of these facilities. In reference to the old hospital, the base has an aggressive consolidation plan to demolish over 47,000SF of inadequate non-permanent type facilities, provide space for new and existing missions. (i.e. stand-up of the new Air Base Wing, Wellness Center, Services and other functions) and free-up mission essential flightline space. An analysis of the hospital indicated that approximately 7,000 SF could be made available for a portion of the FCDNA administrative requirements. However, based upon operational needs and no significant cost savings, it was determined that this was not a viable alternative. In summary, due to the unique requirements of the FCDNA high explosive test functions, Nellis AFB does not have adequate excess facilities to beddown the realigned FCDNA. Notional sitings are found at Appendix B.

4. **MILCON COSTS:** A total of eight MILCON projects were identified at an estimated cost of \$25.3M to support this BRAC 95 realignment to Nellis AFB. Four projects at an estimated cost of \$15.9M for Nellis AFB proper, three projects at an estimated cost of \$4.9M at Indian Springs, and one project for 4.5M out on the Nellis Range 64S. FCDNA will review and validate MILCON documentation to include; Requirements, Current Situation and Impact if not provided, and parametric cost estimates. This documentation will be reviewed and validated by HQ AFMC. These projects are summarized on the following page:

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**FCDNA FACILITY REQUIREMENTS (RANGE)**

Function	PN	Total Admin	Special Purpose	Remarks
PHETS Timing, Firing and Monitoring			2,500 SF	
Concrete Batch Plant				Vertical & Horizontal Concrete Const
ANFO Mixing Plant				Munitions
Quality Control			300 SF	
Power				
Site Power				
Access Road				
Concrete Material Storage				6 concrete
18 bunkers				Required to shelter Instrumentation

Table 1.34, Facility Requirements Analysis

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FCDNA FACILITY REQUIREMENTS (INDIAN SPRINGS)

Function	PN	Total Admin	Special Purpose	Remarks
<b>PHETS ROOMS</b>				
Admin space	50	7,500		Forward Location
PHETS warehouse	1		8,000	
Fab Shop			1,800	
Vehicle Maint			1,000	
Hydro Plus Storage			10,000	
Electronic shop	2		1,500	
Inst Calibration Shop	4		800	
Transducer Calibration	3		800	
Warehouse			3,000	
<b>TOTAL</b>		<b>7,500 GSF</b>	<b>25,900 GSF</b>	
<b>COMBINED TOTAL</b>			<b>33,400 GSF</b>	
<b>MUNITIONS</b>				
Munitions Storage			2,200 SF	
Charge Build-up pad			1,500 SF	
Inert Storage			1,500 SF	
<b>TOTAL</b>			<b>5,200 SF</b>	
<b>MISCELLANEOUS</b>				
GOV Compound			17,800 SY	200ftx800ft
Storage yard			35,600 SY	200ftx1600ft
Foreign Country			8,400 SY	
20 Mobile home hook-ups				

Table 1.33, Facility Requirements Analysis

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		Total	Special	
Function	PN	Admin	Purpose	Remarks
<b>GRABS RQMNTS</b>			125 Acre	
20' Radius shocktube (relocated)				
Earth berms for shocktube				
Charge prep bunker				
2' Shock tube (relocated)				
Support facility (toilets/water/control)			500 SF	
Site work				
5 OHM grounding				
5000 KV				
Water				
Test chambers				
7" Shocktube (relocated)				

Table 1.32, Facility Requirements Analysis

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**FCDNA OPS AND TEST (NELLIS AFB)**

		<b>Total</b>	<b>Special</b>	
<b>Function</b>	<b>PN</b>	<b>Admin</b>	<b>Purpose</b>	<b>Remarks</b>
<b>FCTT (TOTTS)</b>	20	3240	-	32 PN Assigned
Material Testing			1,160	
Instrumental shop			750	
Machine shop			5,700	
Carpenter shop			2,500	
Library			500	
Photo shop			750	
Instrumentation storage			1,000	
Warehouse			12,000	
Breakroom			300	
<b>FCTT TOTAL</b>	20	3,240	24,560	
<b>FCTI</b>	22	3,564		Instrumentation Office
Storage warehouse			4,000	
GFE storage			8,000	
Instrument calibration			1,200	
Instrument assembly			1,200	
<b>FCTI TOTAL</b>	22	3,564	14,400	
<b>FCT</b>				Common use
Warehouse			8,800	
<b>FCDNA OPS &amp; Test Total</b>		6,804	47,760	
<b>Combined Total</b>			54,564 GSF	
<b>Rounded</b>			54,600 GSF	
<b>MUNITIONS</b>				
Explosive Assembly pad			1,500	
Munitions storage			700	Class 1 1.1
Munitions storage			700	C-4
Munitions storage			100	Pyrotechnics
Munitions storage			100	Detonators
<b>Munitions Total</b>			3,100SF	

Table 1.31, Facility Requirements Analysis

**FCDNA OPS AND TEST (NELLIS AFB)**

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FCDNA ADMIN (NELLIS AFB)

Function	PN	Total Admin	Special Purpose	Remarks
<b>FCT</b>	10	1,620		Command Section
Reception area			300	
100 PN Conf/Trng rm 35GSF/PN			3,500	Top Secret Video Teleconference ctr (VTC)
PC-3			75	Orderly room
Weigh-in			50	Orderly room
Personnel records			75	Orderly room
2 LAN systems			120	
<b>FCT TOTAL</b>	<b>10PN</b>	<b>1,620</b>	<b>4,120</b>	
<b>FCTO</b>	29	4,698		New Mexico Ops
Blue print storage			250	
Ozalid				
Reproduction area				
DRAFTING/CADD			100	
<b>FCTO TOTAL</b>	<b>29PN</b>	<b>4,698</b>	<b>350</b>	
<b>FCTT</b>	40	6,480		Test science & Tech off.
Tech library			250	
TS vault			500	
Computer rm			200	
Data storage			500	Graybeard computer data system
Planning rm (25PN)			625	25 GSF/PN
Seismic Ins shop			400	
<b>FCTT TOTAL</b>	<b>40PN</b>	<b>6,480</b>	<b>2,475</b>	
<b>FCTM</b>	12	1,944		Test management
Contract storage			100	
References			100	
<b>FCTM TOTAL</b>	<b>12</b>	<b>1,944</b>	<b>200</b>	
<b>FCTC TOTAL</b>	<b>7</b>	<b>1,134</b>		<b>Tech compliance</b>
<b>Nellis Total</b>		<b>15,876</b>	<b>7,145</b>	
<b>Combined Total</b>			<b>23,021 GSF</b>	
<b>Rounded</b>			<b>23,100 GSF</b>	

Table 1.3 FCDNA Facility Requirements Analysis



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**FCDNA FACILITY REQUIREMENT SUMMARY**

<b>Function</b>	<b>(NELLIS) Total Admin</b>	<b>(NELLIS) Total Purpose</b>	<b>(NELLIS) Total Rounded</b>	<b>(KIRTLAND) Existing Facilities</b>	<b>Remarks</b>
FCDNA Admin	15,876SF	7,145SF	23,100SF	34,691SF	Nellis proper
FCDNA Ops & Test	6,804SF	47,760SF	54,600SF	68,287SF	Nellis proper
GRABS SITE			125 acres	155 acres	Nellis proper EOD area
Explosive assembly pad			1,500 SF	4,000SF	Nellis proper
Munitions Storage			1,600 SF	2,900SF	Nellis proper
PHETS Support	7,500SF	25,900SF	33,400SF	39,500SF	Indian Springs
Munitions Storage		2,200SF	2,200SF	2,200SF	Indian Springs
GOV Compound		17,800 SY	17,800 SY	open areas	Indian Springs
Storage		44,000 SY	44,000 SY	open areas	Indian Springs
Range		10 sq mi	10 sq mi	open areas	Range 64S
Timing & Firing Fac		2,500 SF	2,500 SF	3,600 SF	Range 64S

Table 1.2, Facility Requirements Criteria

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FACILITY REQUIREMENTS CRITERIA

- AFH 32-1084 Standard Facility Requirements Handbook
- MIL-HDBK 1190
- ACC Design Standards
  - Open office space
  - System/Modular furniture (not part of project per HQ USAF/RTR)
  - Maintain flexibility for changing requirements
  - Reduce unusable space
- Space based upon authorized or assigned personnel, which ever is less
- Administrative space 162 GSF/PN. PER AFH 32-1084
- Special use space (Examples)
  - Video Teleconference (VTC)
  - Vaults
  - Planning and meeting rooms
  - Computer rooms
  - Maintenance/Fabrication shops
  - Labs
  - Supply/warehouse
  - GOV parking

Table 1.1, Facility Requirements Criteria

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### III. FACILITIES

WORKING GROUP CHAIRPERSON: Mr. Gordon J. Robertson, HQ ACC/CEPR,  
DSN 574-3187

BASE POC FOR FACILITIES WORKING GROUP: Mr. Dan Ocampo  
558 CES/CECP, DSN 682-3077

1. GENERAL: HQ USAF/RTR requested HQ ACC to assist DNA in accomplishing a facility site survey to relocate the High Explosive Test function from Kirtland AFB to Nellis AFB as a BRAC 95 action. The team was chartered to analyze and validate FCDNA/FCT facility requirements, assess Nellis AFB facility capacity, evaluate beddown options, develop recommendations by taking into account all variables (i.e. environmental, Nellis mission, costs, etc), develop facility costs, and prepare draft DD Fm 1391/1391C programming documents and AF Fm 1178 parametric cost estimates.

#### 2. FACILITY REQUIREMENTS:

a. Criteria: To develop and validate the overall facility requirements of the FCDNA/FCT High Explosive Test Function, DRAFT Air Force Handbook (AFH) 32-1084, Date 1 March 1995, Standard Facility Requirements Handbook was used per HQ USAF/RTR/CEC guidance. However, in light of the unique FCDNA Research and Development (R&D) mission the handbook could not be used to address specific areas. To determine requirements, the team accomplished a detailed analysis of FCDNA's mission (manning, existing facilities, equipment, etc), interviews with functional OPR's, and using applicable sections of AFH 32-1084. The team developed and validated FCDNA facility requirements. Table 1.1 summarizes facility requirements criteria used for FCDNA survey.

b. Facility Requirements Summary: An overall summary and detailed analysis of FCDNA/FCT total facility requirements associated with the BRAC 95 relocation from Kirtland AFB to Nellis AFB are summarized on Table 1.2 and 1.3.

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36 strand single mode fiber optic cable -	\$1,100,000.00
Data Terminating Equipment (DTE)	\$100,000.00
<b>Fiber Optic Cable Installation:</b>	<b>\$1,875,000.00</b>

7. PHETS Communications/Data Collection Costs: These are the cabling and installation costs associated with the replication of the PHETS data collection capabilities from WSMR to the Nellis Training Range. Real-time video capability is currently provided by the Army host at WSMR. Source is Allied Signal (FCDNA contractor).

<b>Large Scale Test-bed</b>	
Fiber Optic Cable (61,689ft)	\$717,934.00
Fiber Optic Cable Installation (660 man-hours @ \$30/hr)	\$19,800.00
Trencher rental with operator (\$14,000/mo @ 4 mos)	\$56,000.00
Connectors	\$9,326.00
Connector installation (722 hrs @\$30/hr)	\$21,660.00
<b>Phenomenology and Intermediate Test-beds</b>	
Fiber Optic Cable (11,553ft)	\$111,877.00
Fiber Optic Cable Installation (116 man-hours @ \$30/hr)	\$3,480.00
Trencher rental with operator (\$14,000/mo @ 1 mo)	\$14,000.00
Connectors	\$5,627.00
Connector installation (454 hrs @ \$30/hr)	\$13,620.00
<b>Real-time Video Equipment</b>	TBD
<b>Total PHETS Comm Relocation Cost</b>	<b>\$973,324.00</b>

8. Total communications cost to provide the infrastructure necessary:

Administrative Telephone Cost	\$84,000.00
Leased Comm Setup Costs	\$9,000.00
VTC Facility and Connectivity	\$256,261.00
Telephone Switch Upgrades	\$860,000.00
Fiber Cable Connectivity	\$1,875,000.00
PHETS Relocation	\$973,324.00
<b>Total Communications Infrastructure Costs****</b>	<b>\$4,057,585.00</b>

Note: The aforementioned costs do not include any Allied Support Costs. Refer to the DD Form 1391 associated with the building construction to determine Allied Support Costs.

\*\*\*\* Leased Comm Cost, First Year of \$205.2K is not included in this number as it is not BRAC cost.

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3. Leased Communications Circuit Startup Costs: These one time costs are required to initiate service. Source is 554CS/SCX and DITCO/RPC.

<b>Circuit</b>	<b>Startup Cost</b>
One 56KB line to Alexandria, VA area	\$3,000.00
One T-1 to Los Alamos, NM	\$3,000.00
One DCTN to VTC Scheduling Center, MD	\$3,000.00
<b>Total</b>	<b>\$9,000.00</b>

4. Video Teleconferencing Facility and Connectivity Cost: Video Teleconferencing Center costs include furniture, computer/communication equipment, audio/visual equipment, and installation - **\$256,261.00** Source is FCDNA/FCC. FCDNA just completed the construction and installation of a VTC at Kirtland AFB in Mar 1995. The existing VTC is programmed to relocate with the FCDNA portion going to Kelly AFB.

5. Telephone Switch Upgrades Cost: Upgrades are required to support the personnel increases at the specified locations. Source is 38EIW/ESA.

<b>Area 2:</b>	
System 85 telephone switch upgrade -	\$800,000.00
<b>Indian Spring AFAF:</b>	
System 85 telephone switch cabinet expansion -	\$60,000.00
<b>Total Telephone Switch Upgrade Cost:</b>	<b>\$860,000.00</b>

6. Fiber Optic Cable Connectivity Costs: New or expanded fiber is required to connect PHETS to Indian Springs AFAF, 554CS building P-6 to Area 2 new facility, and 554 RANS building 200 to 554CS building P-6. Source is 38EIW/ESA.

<b>Nellis AFB 554 RANS to 554 CS Facility:</b>	
36 strand single mode fiber optic cable -	\$150,000.00
Data Terminating Equipment (DTE)	\$100,000.00
<b>Nellis AFB 554 CS to Area 2 Administrative Facility:</b>	
36 strand single mode fiber optic cable -	\$325,000.00
Data Terminating Equipment (DTE)	\$100,000.00
<b>Indian Springs AFAF to PHETS:</b>	

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ADP inventory, moving costs, and new procurements necessitated by the physical separation of a currently collocated command are being addressed in the relocation cost collection initiative managed by the 377 CSW, Kirtland AFB, NM.

c. Specific Communications Costs are categorized into the following areas:

- Administrative Telephones
- Leased Communications Circuits Rates
- Leased Communications Circuits Startup
- Video Teleconferencing Facility and Connectivity
- Telephone Switch Upgrades
- Fiber Optic Cable
- PHETS Communications/Data Collection

1. Administrative Telephone Cost: Costs support 235 personnel at the administration facility and test sites. Assume voice, computer modem, and fax support. Circuit Packs Cards cost \$101 each and support up to 4 digital telephone requirements. Source is 554CS/SCX.

<u>Item</u>	<u>Cost</u>
Phone Unit	\$290.00
Circuit Pack (Card)	\$25.00
Installation	\$21.00
Total per phone =	\$336.00
<b>250 total phones =</b>	<b>\$84,000.00</b>

2. Leased Communications Circuit Cost: Communication circuits are to replace connectivity currently available and required at Kirtland AFB. Source is 554CS/SCX and DITCO/RPC, Scott AFB, IL.

<u>Circuit</u>	<u>Cost/Month</u>
One 56KB line to Alexandria, VA area	\$5,700.00
One T-1 to Los Alamos, NM	\$5,700.00
One DCTN to VTC Scheduling Center, MD	\$5,700.00
<b>Total Per Month =</b>	<b>\$17,100.00</b>
<b>Total First Year =</b>	<b>\$205,200.00</b>

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**II. Communication & Computer Systems**

Working Group Chairperson: Mr. Cote, HQ ACC/SCYA, DSN 574-3190

FCDNA (Kirtland AFB) POC: Col Schuetz, FCDNA/FCR, DSN 246-7791

FCDNA Comm/Computer POC: Major Jerald Coleman, FCDNA/FCC, DSN 246-2225  
554 CS (Nellis AFB) POC: Mr. Lin Lee, 554CS/SCX, DSN 682-5824  
554 RANS (Nellis AFB) POC: Mr. Campbell, 554 RANS/RSXR, DSN 682-3740  
38EIW (Tinker AFB) STEM-B: Mr. Pham, 38EIW/ESA, DSN 884-9778

1. **GENERAL:** ACC was tasked to identify the communications requirements and cost associated with moving the Test Directorate of FCDNA to new facilities located on Nellis AFB and the associated Nellis Test Range.

2. **ANALYSIS:**

a. **Communications:** FCDNA/FCT currently consists of missions requiring communications support at three major locations: Kirtland AFB, NM; White Sands Missile Range (WSMR), NM; and Nevada Test Site (NTS), NV. Requirements at NTS should be unaffected by the proposed relocation of FCDNA. Support requirements at Kirtland AFB and WSMR will be reduced but not eliminated, as a result of the proposed relocation.

The proposed siting of FCT missions at Nellis AFB, Indian Springs, and the Nellis Training Range will require the creation and expansion of communications capabilities at those locations. The administrative function of FCT has a proposed siting of Area 2, Nellis AFB and the Permanent High Explosive Test Site (PHETS) has a proposed siting at location in the Nellis Training Range approximately 15 miles from Indian Springs AFAF.

Communications requirements internal to the administrative facility will consist of telephone voice, fax, and computer modem connectivity for up to 235 government and contractor personnel, unclassified LAN connectivity for 110 government personnel, and classified LAN connectivity for 50 government personnel. Communications requirements internal to the PHETS will include telephone connectivity for 15 units and extensive data collection connectivity for test sensors. These two sites require telephone connectivity with their respective telephone switches and data connectivity between each other. Finally, the administrative facility requires external leased data connectivity to HQ DNA, Alexandria, VA, Los Alamos National Laboratories, NM, and Video Teleconferencing Scheduling Center, MD.

b. **Data Automation:** Communications and computer facility requirements to support LAN servers and communications equipment have been submitted for inclusion in the facility planning.

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**MUNITIONS STORAGE AREA REQUIREMENTS ON NELLIS AFB PROPER**

To accommodate the proposed FCDNA Range at Nellis AFB, ten igloos within the 896 MUNS area would require a reduction in class/division 1.1 NEW. While these reductions wouldn't be expected to reduce the 896 MUNS' capability, the unit has not fully coordinated the reductions through their command.

**IGLOOS AFFECTED:**

	From	To		From	To
11001 -	500K	130K	11015 -	500K	250K
11002 -	162K	130K	11026 -	384K	250K
11003 -	162K	145K	11029 -	500K	400K
11004 -	500K	200K	11030 -	500K	475K
11005 -	500K	225K	11044 -	500K	450K



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### FCDNA/FCT TEST SUPPORT CONTRACTS

#### CONSTRUCTION CONTRACTOR - 50

- Construct new test structures and targets for High Explosive Testing
- Repair or rehabilitate used structures to extend their usable life
- Maintain GFE construction equipment and unique support vehicles

#### INSTRUMENTATION SUPPORT CONTRACTOR - 40

- Calibrate gage and instrumentation
- Install gages, cabling, and data acquisition equipment
- Establish timing and firing sequence
- Record data from test events
- Provide instrumentation support to ionizing Radiation Simulators, Advanced Research Electromagnetic Pulse Simulator, Large Blast and Thermal Simulator, as well as high explosive testing.

#### TECHNICAL DOCUMENTATION CONTRACTOR - 3

- Support documentation efforts for Quick Look Data Reports, Test Execution Report, Test Result Report, and meeting minute reports
- Produce and coordinate test video reports

#### THE TOTTS CONTRACT - 36

Provides technology and test support in the areas of nuclear and precision weapons effects, survivable structures and systems, and systems safety assessments. This support includes all aspects of planning, operation, maintenance, conducting, fabricating, modifying, fielding, testing, analyzing, and reporting of research, test, and development using the Defense Nuclear Agency (DNA) equipment and other specialized test support items, located at Kirtland AFB, New Mexico, and at other locations as directed by DNA. The major end items of this acquisition are data, software, and technical reports, as required by individual technical instructions.

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**CURRENT FCT ASSETS -  
PERMANENT HIGH EXPLOSIVE TEST SITE - WSMR**

10 square miles (8.2 KT ANFO, airdrops)  
27,000ft laboratories, workspace, warehouse  
    9,100SF environmentally controlled  
    -3,200SF environmentally controlled plus UPS  
    -- 2,400SF environmentally controlled, UPS, dust  
7,500SF admin space  
33 hydroplus trailers parking  
35 vehicles (construction, EH, admin)  
4 AMMO storage bunkers  
1 charge assembly building  
Access to large bunkers at WSMR  
Concrete batch plants with liquid Nitrogen  
ANFO mixing plant

150 miles of underground cable  
18 instrumentation bunkers  
    shock isolation  
    bermed  
2 each 150' towers  
Misc test structures

Capability to hook-up 20 mobile homes: electricity and telephone

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**CURRENT FCT ASSETS - Kirtland AFB**

34,600SF Admin space plus special needs

100 person conference room

TS storage vault

Library

Seismic instrument workshop

Computer room

63,600SF Laboratories, workspace, warehouse

16 Trailers 8'x40'

Safeguard

Equipment storage

75 Vehicles (admin, EH and construction)

**GRABS (close-in Test site)**

155 acres (1000 lbs HE)

20' shock tube

2' shock tube

7" shock tube in building

Half space test chamber

Misc test chambers

30 vehicles/trailers

4 AMMO bunkers

1 charge prep bunker

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**WEAPONS TESTED RECENTLY**

**AIR FORCE**

GBU-27  
GBU-28  
AGM-142  
Multiple weapons, single aim point  
Smart fuze

**NAVY**

Multiple weapons, single aim point  
Fuel Air Explosive

**ARMY**

High velocity penetrator

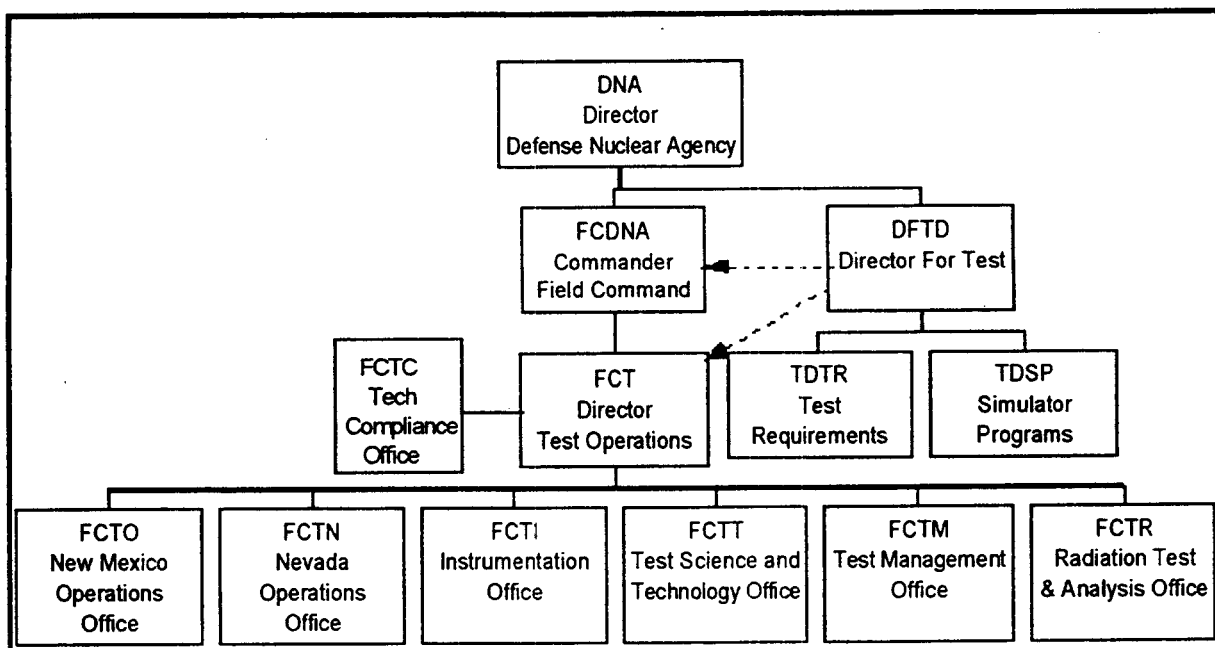
**FOREIGN COUNTRY TESTS**

MK-82

**FUTURE THRUSTS OF TEST PROGRAMS**

- Counterproliferation areas of interest
- Ionizing radiation simulations for space and wartime threat
- EMP
- Penetration weapons testing still growing
- Structural response of buried targets
  - Hard Target Kill
- Weapons effects of new technologies
- Technology Transfer

# DNA ORGANIZATION FOR TEST



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f. SUPPORTING DATA:

**FCT MISSION**

- Conduct weapons effects tests in accordance with requirements established by HQ DNA/DFTD and customer needs.

- Nuclear weapons effects simulations

- High explosive (blast and shock)
- Thermal
- EMP
- Ionizing radiation

- Conventional Weapons

- Weapons phenomenon  
(blast, shock, thermal, shrapnel)
- Advanced conventional weapons  
(GBU-28, I-2000, I-800)

-- Hard Target Response

-- Support

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Siting of the GRABS close-in test site near the EOD training and demolition pit as proposed by WTC/SEW is acceptable. The proposed site separates the FCDNA and EOD operations so that they do not interfere with one another. This site permits detonation of 86 lbs TNT equivalent throughout the site and up to 206 lbs TNT equivalent in the northern half of the site. However, this FCDNA site would not permit detonation of cased charges. Cased charges could be used (up to 500 lbs explosive weight) on the EOD range through scheduling coordination and possibly through exchange of ranges for periods requiring lengthy (up to a month) construction and target preparation times. A formalized MOA may be necessary to facilitate this downtime.

Existing explosives storage capacity at Nellis AFB will support FCDNA storage requirements for detonators, pyrotechnics and classified explosives. A new bunker (approx. 700 SF) must be constructed to provide adequate segregated storage for unclassified developmental explosive charges.

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provide continuous access to Range 64S. Also, Range 64S site will require considerable EOD and target remnants clean-up. The estimate to clear 12 each 500 ft x 500 ft sites to 40 foot depth to support buried target construction at the proposed test-bed in area 64S is \$2.0M.

The Test Control Center (TCC), the ANFO mixing plant, the concrete batch plants and 18 instrumentation bunkers will be constructed at the large test-bed. The TCC is a 2,400 SF, raised computer floors, humidity, temperature and dust controlled facility. This structure houses the \$4M test control, timing and firing, and data collection systems as well as the PC-based quick look data reduction equipment.

d. GRABS/Admin: A potentially suitable location for the FCT administrative and test design/analysis functions and test support for the GRABS close-in test activities is in Area 2 at Nellis AFB. The only known negative issues are: 1.) possible low water pressure and impact on fire fighting and suppression and 2.) impact of security training operations in that areas. Area 3 at Nellis AFB should perhaps be considered as an alternate site for this activity.

### e. Nellis AFB Facility availability

#### 1. F-4G Squadron Facilities

No single F-4G facility contains enough suitable office or parking space for the entire FCDNA Test Directorate. Major renovation would be required to convert the maintenance units to office space. The existing F-4G facilities are located adjacent to flightline operations. Plans are being developed to locate future aircraft programs in these facilities. The F-4G aircraft maintenance facilities are a valuable flightline asset and should continue to function for aircraft related programs, not converted to general office space.

#### 2. Building 4349 - "Old Hospital"

The existing facility requires major renovation to be utilized for administrative office space the majority of the space is being considered by Nellis AFB for housing other functions.

Approximately 7,000 SF of floor space has been considered for use by FCDNA. The current floorplan is uniquely designed for a hospital function and is not entirely suitable for office space. The wide hallways, individual patient room bathrooms and other specialized spaces leave approximately 50% net usable office space.

Current plans for occupying the hospital are to mix various Air Force functions. FCDNA requires secure, non-shared areas.

Locating only a portion of FCDNA personnel in the old hospital would separate them from the proposed new facility by approximately 5 miles. Fragmenting FCDNA personnel would hinder interaction and negatively impact our mission. Personnel located at the old hospital would be separated from classified and non-classified technical document storage areas, conference rooms and other administrative functions. Locating personnel in the old hospital is not a viable consideration.



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4. A large test-bed permitted for 4.6 kilotons of explosives detonations with state-of-the-art data acquisition infrastructure. It would be preferable to have all these facilities located within allowable safety limits, but geographical constraints at Nellis AFB and Nellis Range preclude such siting. Since FCT High Explosive operations are presently split between Kirtland AFB and WSMR, we requested to site our present Kirtland AFB operations and facilities at Nellis AFB and our WSMR HE operations and facilities to the Nellis Range.

Nellis Range Area EC South was ruled out early because of the long distance (120 miles from Nellis AFB), the lack of support facilities nearby and sensitivity to having foreign experimenters and observers near the northern portion of the Nellis Range.

Indian Springs AFAF was visited and found suitable to house much of what is currently in the PHETS admin area at WSMR. Three buildings (Bldg 400, 404, 405) were offered near the chapel on the south side of Highway 95 which can be modified to satisfy the test group staffs, experimenters and other support staff (7,500 sq ft requirement).

b. Requirements: A large area is required to support the test operations such as are currently conducted at WSMR. Current support facilities at the PHETS site include 32,000SF of laboratories, workspace and warehouse. Laboratory space is 900SF of calibration lab and 800 SF of concrete testing lab. Workspace includes carpenter and fabrication shops (1,800 SF) vehicle maintenance shop (1,000 SF), cable configuration workshop (2,500 SF). Warehouse and storage facilities comprise the remaining 20,000 SF currently being used at WSMR. Three outdoor storage yards of 160,000 SF, 120,000 SF and 75,000 SF are required for construction materials, gauge mounts, camera towers and instrumentation cable storage. The 160,000 SF yard must be adjacent to the warehouse structure while the other two yards may be separated from the warehouse and test support area.

Explosive storage igloos (4 each) are required in the Indian Springs WSA: two each 1000 SF and two 100 SF.

Additionally, a 1500 SF charge build-up area with grounding, lightning protection and explosive proof lightning is required. Existing facilities at the WSA meet this need.

Fire protection, medical, security, vehicle maintenance for approximately 70 vehicles will be required at Indian Springs AFAF. During classified testing, 24-hour security at the test site will be required. This requirement may last from one hour to one week.

c. PHETS: Area 65S is a suitable location for large scale HE testing. It would require time and/or space separation from the Thunderbirds' practice airfield in 65S as well as relocating the A-10 strafing range. The entire area 65S would be required to provide adequate safe separation distances from Highway 95 and Indian Springs AFAF.

A site visit was made to the most southern portion of Range 64S, proposed location for FCDNA's Permanent High Explosive Test Site (PHETS). Although not as flat as the current PHETS location on White Sands Missile Range, NM, it appears that the area is suitable for FCDNA's test mission. A major concern is accessibility, because of USAF use of Range 65S. To access this area from Indian Springs AFB, one must traverse across Range 65S. Perhaps at some future date, operational arrangements can be made to

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Element Commander. Functions supported by this office include classified control, command and control, counseling and orderly room functions.

### c. Concerns:

#### 1. Nellis AFB

- Low water pressure impacts
- Security training impacts on traffic movement
- Proposed GRABS site does not permit use of cased charges
- Proposed GRABS site limited to 86 lbs in southern half and 206 lbs in northern half. Desire up to 1000 lbs.
- Maintenance support for vehicles

#### 2. Indian Springs AFAF

- Proposed changes to security operations and impact on protection of equipment, weapons storage area and classified material.
- Availability of space to site large storage yards
- Adequacy of firefighting capability for increased explosive storage
- Separation of FCDNA facilities by Highway 95

#### 3. PHETS

- Environmental approval to site on 64S or 65S
- Clean-up of range to permit safe excavation in designated locations to 40 foot depth and for cable trenching operations
- Need designated access corridor through Range 65S to 64S
- Security for the test site, particularly for classified targets
- Lack of power at the test site
- Lack of mobile meteorological capability

## 2. ANALYSIS/RECOMMENDATION:

a. Siting: Sites offered by Nellis AFB for FCT to consider were carefully reviewed. Options ranged from everything at Indian Springs to various fragmenting of the functions between Nellis AFB, Indian Springs and area EC south. We were queried about not moving the explosive test program from White Sands Missile Range. The FCDNA position is to move everything but the Large Blast and Thermal Simulator from WSMR and everything but the ARES EMP test facility, the 6-foot shock tube and the shallow water test facility at Kirtland AFB if the Test Operations must leave New Mexico. In considering areas required to support the FCDNA Test Operations functions relocating to Nevada under the proposed '95 BRAC action, four principal functional areas are required:

1. The basic admin area to support 110-125 DoD personnel along with a Test Operation & Support Facility (laboratories, warehouse and maintenance shops);
2. A close-in test site (identified as 155 acre GRABS site at Kirtland AFB) for siting of shock tubes and small (less than 1,000 lbs) HE tests;
3. Administrative and test fielding integration and support facilities.

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structures for live drops of aircraft delivered weapons, Davis Gun (explosive driven penetrator gun) and air gun inert penetrator tests, as well as other structured response and phenomenology tests. This test-bed presently consists of state-of-the-art data acquisition systems, timing and firing instrumentation systems, and command and control facilities to support testing throughout the 10 square miles of PHETS. The two concrete batch plants (80 cu yd and 200 cu yd per hour, meet a yearly requirement usually of monolithic pours 4 times per year between 2,000 and 10,000 cu yd per structure), the ANFO mixing plant, and two 150' high towers satisfy unique requirements of our OSD directed test programs. The administrative, test design and target preparation facilities, calibration labs and warehouse/storage spaces are essential to support the 30-60 tests conducted per year. See supporting data end of this section for a list of key elements at PHETS.

b. **Organization:** The Test Operations Directorate is organized into seven offices and the Director's office. The following is a brief description of the functions and responsibilities of these various organizations.

The New Mexico Operations Office (FCTO) provides the engineering and support functions that design and construct test targets and structures. FCTO provides the Test Group Directors who lead matrixed organizations from the various FCT offices through test preparation, fielding, execution and post-test operations. This office also provides the staffs for the ARES EMP simulator, Large Blast and Thermal Simulator (LB/TS) and the Thermal Radiation Source (TRS) simulators.

The Test Science and Technology Office (FCTT) designs the technical aspects of tests, provides technical liaison with customers, ensures technical objectives are achieved and conducts analysis of test data. FCTT is comprised primarily of doctoral (13) and other senior scientists (31) specializing in shock and blast phenomenon and geophysics. A classified library containing over 14,000 documents covering nuclear and advanced conventional test data history is also maintained by this office.

The Instrumentation Office (FCTI) provides instrumentation engineers who design the gauging and data acquisition systems required on each test. FCTI support all HE testing as well as the nuclear effects simulators; ionizing radiation, electromagnetic pulse, shock, blast and thermal.

The Test Management Office (FCTM) provides test coordination, cost analysis and scheduling functions for all testing assigned to FCT.

The Test Compliance Office (FCTC) ensures that Environmental, Safety & Health (ES&H), explosive safety and environmental regulations and policies are considered in all test planning operations. Both compliance for current and future tests and remediation of prior testing sites are supervised/managed by this office.

The Radiation Test and Analysis Office (FCTR) provides technical design and modernization for radiation simulators. FCTR will remain at Kirtland AFB.

The Nevada Operations Office (FCTN) maintains the DoD capability to resume underground nuclear testing, conducts conventional tunnel vulnerability testing and provides oversight for clean-up of DoD nuclear effects test sites. FCTN will remain at the Nevada Test Site.

The Director's office (FCT and FCT-A) provides over all leadership and integrating management. The Director for Test Operations is dual hatted as the Army

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**I. OPERATIONS**

**WORKING GROUP CHAIRPERSON:** Col Harlan A. Lawson, FCDNA/FCT, DSN 246-5513

**BASE POC:** Lt Col Paul Haney, WTC/XP, DSN 682-3000 and Lt Col Jack Schofield, WTC/RSI, DSN 682-0301

**1. GENERAL:**

a. Overview: The Test Operations Directorate (FCT) of Field Command, Defense Nuclear Agency (FCDNA) conducts weapons effects tests in accordance with requirements established by HQ, Defense Nuclear Agency and customer needs. These effects tests include primarily nuclear weapons effects simulations, advanced conventional weapons effects and hardened target response. Other testing activities include new charge development, scaled structure testing and unique requirements for other U.S. government agencies and foreign nations.

The proposed BRAC realignment of Kirtland AFB, NM recommends that a large majority of the Test Operations Directorate facilities and functions relocate to Nellis AFB, NV (including the Nellis Range) prior to 2001. As currently envisioned, this move will bring 110-125 DoD personnel and 75 contractors (50 more construction contractors will be hired in Nevada) from Kirtland AFB to the Nellis AFB vicinity. Instrumentation, cabling, laboratories, workshops, vehicles, shock tubes, and test support equipment from Kirtland AFB and White Sands Missile Range (WSMR) essential to the High Explosive (HE) test functions will also relocate to the Nellis AFB vicinity.

The FCDNA Test Directorate and its general administrative, design and analysis functions are now collocated with FCDNA at Kirtland AFB. Of the 146 authorizations in FCT, 20 are located at the Nevada Test Site and the remaining 126 authorizations are located in New Mexico at Kirtland AFB and the WSMR. Specifically, high explosive tests conducted at Kirtland AFB contain less than 1,000 lbs of explosive. These tests are conducted at the Chestnut Range, owned by Phillip's Lab and cleared for up to 10,000 lbs HE, and at the Giant Reusable Air Blast Simulator (GRABS) site, 155 acres owned by FCT and cleared for up to 1,000 lbs HE since late 1994. Approximately 25 tests were conducted on these ranges in 1994. Other test facilities at Kirtland AFB, planned for relocation, include a Material Properties Lab, shock tubes (diameters of 20', 2' and 7"), Halfspace Test-bed, large gas gun for high speed scaled penetration testing, flyer-plate launch facility for hyper velocity impact shock testing, and shallow water shock test-bed.

Facilities remaining at Kirtland AFB include the Advanced Research Electromagnetic Research Simulator (ARES), the 6-foot diameter shock tube, and the Thermal Radiation Source (TRS) Test Site. See supporting data end of this section.

The PHETS at WSMR hosts the large scale test-bed (up to 8.2 kilotons of explosive charge, Ammonium Nitrate Fuel Oil - ANFO) and other test-beds supporting large scale nuclear effects simulation tests, advanced conventional weapons tests and unique HE tests for classified programs. The PHETS permits construction of large buried

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SURVEY TEAM MEMBERS

<u>NAME</u>	<u>RANK</u>	<u>OFFICE SYMBOL</u>	<u>DSN</u>
Lippincott (DNA Leader)	CAPT (USN)	FCDNA/FCD	246-8613
Lawson	Col	FCDNA/FCT	246-5513
Heidenreich (EMTE)	Col	412 TW/EW	525-7627
Hetzel	Lt Col	FCDNA/FCTOE	246-6611
Donnalley	Lt Col	HQ USAF/RTR	225-4666
Neall	Lt Col	HQ USAF/RTR	225-4666
Palmore (Team Leader)	Maj	HQ ACC/XPPB	574-7159
Piekarczyk	Maj	HQ USAF/CEC	225-8177
Coleman	Maj	FCDNA/FCC	246-2225
Huizenga	Maj	USAFWTC/EM3	682-6107
Suoboda	Capt	558 CES/CED (EOD)	682-1218
Lu	GM-15	FCDNA/FCTI	505-846-2206
Conklin	GM-14	HQDNA/LEEE	703-325-1163
Ashbaugh	GM-14	FCDNA/Nevada	702-295-7067
Robertson	GS-13	HQ ACC/CEPR	574-3187
Paco	GM-13	FCDNA/FCRPE	246-8730
Barton	GS-13	AFAA/FSS	947-5548
Newburn	GS-12	AFAA/Eglin	872-3148
Cote	GS-11	HQ ACC/SCYN	574-3190

NELLIS BASE CONTACTS

Jones	Capt	554 MSS/DPM	682-9223
Reese	Capt	554 TRNS/LGTM	682-5748
Burditt	Capt	USAFWTC/SEY	682-2874
Ellis	1Lt	558CES/CECP	682-4153
Benart	GM-14	558CES/CERF	682-6862
Lee	GM-13	554 CS/SCX	682-5824
Williams	GS-12	AFAA/Nellis AFB	682-6915
Fueller	GS-12	558 CES/CECP	682-8451
Grantham	GS-12	USAFWTC/SEY	682-4045
Rodgers	GS-12	558CES/CE2	682-4833
Cox	GS-11	558CES/CERR	682-3302
Ocampo	GS-11	558 CES/CECP	682-3077
Hales	GS-11	554 TRNS/LGTL	682-2032
Harper	GS-09	558CES/CEC	682-8420
Carroll	MSgt	USAFWTC/SEW	682-1242
Ferguson	MSgt	558 CES/EOD	682-1503
Reymolds	MSgt	USAFWTC/SEW	682-4624
Jenkins	TSgt	554 TRNS/LGTL	682-3257
Sinkfield	TSgt	554 SUP/LGSF	682-8322

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KEY NELLIS PERSONNEL

NAME	RANK	OFFICE SYMBOL	DSN
Wilcox	Col	USAFWTC/CV	682-5370
Ingram	Col	USAFWTC/CS	682-5371
Jaszczak	Col	USAF/DOE	295-1147
McFarlane	Col	57 WG/CV	682-7496
Warner	Col	57 WG/LG	682-4836
Barksdale	Col	57 WG/OG	682-4947
Brown	Col	554 MDG	682-2000
Chandler	Col	554 SPTG/CC	682-6550
Green	Col	554 SPTG/CD	682-6550
Rader	Col	554 SPS/CC	682-2566
Riggs	Col	558 CES/CC	682-4833
Carpenter	Col	554 RANS/CC	682-3600
Wallace	Lt Col	554 RANS/CD	682-3600
Dinkins	Lt Col	554 CS/CC	682-2069
Justet	Lt Col	554 MSS/CC	682-9229
Oehrli	Lt Col	554 CPTS/CC	682-2593
Costantini	Lt Col	USAFWTC/SE	682-7604
Haney	Lt Col	USAFWTC/XP	682-3000
Eldridge	Lt Col	554 CONS/CC	682-4003
Schofield	Lt Col	USAFWTC/RSI	682-0301
Finnegan	Lt Col	66 RQS/CC	682-6600
Uken	Lt Col	561 FS/CC	682-5381
Vendermarliere	Maj	554 TRNS/CC	682-4713
Fenoglio	Maj	USAFWTC/MO	682-5596
Hopper	GM-14	USAFWTC/EM	682-9367
Barton	GM-13	AFAA/FSS	947-5548
Williams	GS-12	AFAA/AAO	682-6915
Wilman	GS-12	USAFWTC/HO	682-9840
Cooper	GS-12	USAFWTC/RA	682-9843

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6. **EXPLOSIVE ORDNANCE DISPOSAL (EOD):** FCDNA proposed operations affect two EOD aspects. The first EOD concern is the joint use of EOD range on Nellis AFB. A workable plan has been proposed for siting FCDNA functions in the vicinity of current EOD training site and will allow uninterrupted simultaneous operations. The second concern is EOD clearing of perspective PHETS site. This operation conducted by TDY military personnel will take between three to twelve months. Contractor utilization for this purpose would be cost prohibitive.

7. **LOGISTICS:** Logistical concerns fall in four areas:

a. Explosive storage capacity at Nellis AFB

b. Maintenance support capability at Nellis AFB

c. Security at ISAFAF

d. Water pressure to support firefighting and fire suppression at Nellis AFB. The concerns can be ameliorated through detailed coordination and infrastructure improvements. The standard Inter-service Support Agreement used at Nellis AFB is adequate with slight modifications to support the increased logistical requirements of this proposed relocation.

8. **EMTE:** The EMTE emitter move to the Nellis Range has no direct MILCON requirement at Nellis AFB. Nellis is impacted by TDY customer needs incurred due to the realignment of EMTE, however these needs can be met with existing facilities.

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### EXECUTIVE SUMMARY

1. **GENERAL:** The ACC team's mission was to assist FCDNA in the beddown of the High Explosive Test function from Kirtland AFB. FCDNA brings with it administrative, laboratory, and unique test requirements. The various functions include the Permanent High Explosive Test Site (PHETS), Giant Reusable Air Blast Simulator (GRABS), Joint Munitions Effects Manual (JMEMS) research and test support for counterproliferation programs. The most significant requirement is PHETS capability to detonate an Ammonium Nitrate/Diesel fuel (ANFO) charge of 4.6 Kilotons to simulate a nuclear airblast of 8.0 Kilotons. Environmental issues will be the biggest challenge to this beddown. On-base siting of other small test projects will likely face very little opposition. Options other than Nellis AFB are still being pursued by Air Staff as possible locations for FCDNA to include the Nevada Test Site (NTS) run by the Department of Energy (DOE).
2. **OPERATIONS:** The mission of this site survey was to assess various siting options for relocating the FCDNA high explosive testing operations from Kirtland AFB and White Sands Missile Range (WSMR) to Nellis AFB and Nellis Ranges. If state environmental and federal fish and wildlife approvals are obtained to use Range 64S or 65S for HE test operations, then the proposed siting plan is adequate. Consolidation of warehouse and workspace areas resulted in a 22% reduction in overall vertical storage and workspace from current usage.
3. **COMMUNICATIONS:** FCDNA have extensive communication requirements. These requirements include: Teleconferencing communications capability, T-1 lines, classified and unclassified LAN networks, fiber optic conductivity from Range Support functions to Range Operations. Teleconferencing security requirements are cleared to Top Secret/CNWDI. Possible expansion of Indian Springs Air Force Auxiliary Air Field (ISAFAF) and Nellis AFB telephone switch upgrades may be required.
4. **FACILITIES:** The facilities working group consisted of representatives from FCDNA/FCT, 558 CES, HQ ACC, HQ USAF and other base representatives. The working group assessed existing facility capacity and determined none were adequate or available for use. Eight MILCON projects were identified and validated at an estimated cost of \$25.3M. Specifically, four projects at Nellis proper for \$15.9M; three projects estimated at \$4.9M at ISAFAF and one project at 64S RANGE for \$4.5M.
5. **ENVIRONMENTAL:** After a review of the proposed actions, locating the GRABS testing on Nellis AFB near the existing EOD OB/OD sites does not pose any significant environmental difficulties. However, locating the PHETS within the 60 series ranges will probably be rejected/contested by the U.S. Department of Fish and Wildlife Service, due to the fact that this land is part of a National Wildlife Refuge. The environmental working group also inquired about the possible beddown of the Kelly operation at Nellis AFB. The Nevada Division of Environmental Protection (NDEP) was not receptive to the idea of developing thorium fields in this area and recommended these sites be located within the NTS.



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### **INTRODUCTION**

As a result of SECDEF BRAC 95 recommendation to the Base Closure Commission, Field Command Defense Nuclear Agency (FCDNA) - High Explosive Test will move to Nellis AFB. HQ AF/RTR requested HQ ACC/XPPB lead a composite site survey team from ACC, FCDNA and Nellis AFB. Our primary mission was to identify MILCON projects required to accommodate numerous FCDNA functions currently located at Kirtland AFB. The secondary mission of the ACC contingent was to identify MILCON requirements at Nellis AFB proper caused by the realignment of the Electromagnetic Test Environment (EMTE) from Eglin AFB. In addition to MILCON, the team considered issues such as logistics, environmental and base support.

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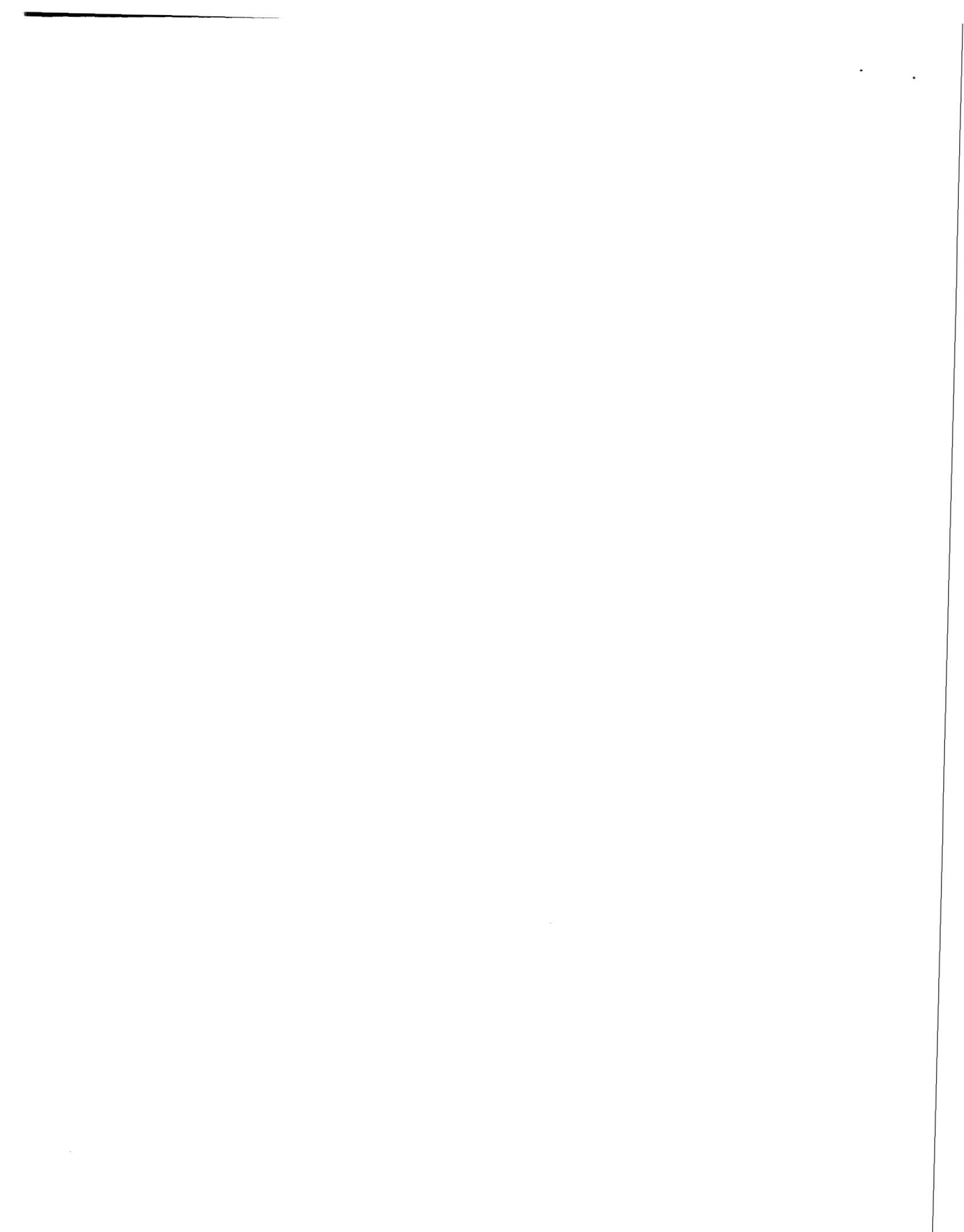
**BRAC 95  
DET4, 505 CCEG BEDDOWN**

**HURLBURT FLD, FLORIDA**

**21-24 MAR 95**

**HQ ACC/XPPB**

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**INTRODUCTION**

HQ ACC/XPPB led an ACC team of selected functional area experts to identify MILCON projects to beddown Det 4, 505 CCEG at Hurlburt Fld. Det 4's movement is a result of the SECDEF recommendation to the Defense Base Closure and Realignment Commission to realign Kirtland AFB.

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**EXECUTIVE SUMMARY**

The ACC site survey team was part of a larger team run by HQ AFMC/XPP. The ACC team's mission was to beddown Det 4, 505 CCEG at Hurlburt Field with its parent organization. Det 4's mission is to provide advanced distributed simulation emphasizing theater air defense. Det 4 is responsible for the development and operation of the Theater Air Command and Control Simulation Facility (TACCSF).

1. **OPERATIONS:** Det 4 is part of the 505 CCEG at Hurlburt Field and is an AWC unit. This unit supports numerous customers within DoD and other government agencies with a one of a kind, operator-in-loop air defense simulation facility. The plan is to unite Det 4 with its parent organization at Hurlburt Field. To move the 122 manpower positions to Hurlburt Field will require 40,900 SF of space.

2. **COMMUNICATIONS:** After review of the projected communications support required to beddown Det 4, 505th CCEG at Hurlburt Field, FL, the telecommunications authorizations in personnel and equipment are adequate, provided items stated in the C-CS working group report are utilized. The possible relocation will not impact on any collateral communications capabilities in a negative way. The base can support the relocation provided our inputs to the report are used as a positive source when implementing the relocation plan.

3. **FACILITIES:** The Facilities Working Group consisted of representatives from the 505 CCEG; 16 CES; HQ AFSOC; Det 4, 505 CCEG; 727 ACS; and HQ ACC. The working group toured the existing Blue Flag facility and determined it to be inadequate for alteration and addition for the Det 4, 505 CCEG. A new facility of 40,900 SF, \$6.0M, is proposed for the 727 ACS communication/radar site. No other sites are available on Hurlburt Field due to vast wetland areas and future needs of the expanding 16 SOW mission.

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**SITE SURVEY TEAM ROSTER**

<u>NAME</u>	<u>RANK</u>	<u>OFFICE SYMBOL</u>	<u>DSN</u>
Sirois	Lt Col	Det 4, 505 CCEG/CV	246-1471
Palmore	Maj (Leader)	HQ ACC/XPPB	574-7159
Akin	Capt	Det 4, 505 CCEG/ENS	246-1600
Thies	Mr	HQ ACC/CEPR	574-3187

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HURLBURT TEAM ROSTER

<u>NAME</u>	<u>RANK</u>	<u>OFFICE SYMBOL</u>	<u>DSN</u>
Kelley	Lt Col (S)	USAFBTS/BTL	579-6121
Dean	Maj	HQ AFSOC/XP	579-4762
Jones	Maj	727 ACS(T)/LG	579-7273
Warnar	Capt	HQ AFSOC/SCP	579-2134
Franklin	Capt	505 TSS/MSF	579-5115
Rydland	1Lt	16 CS/SCP	579-4978
Nicholson	MSgt	16 CS/SCP	579-4977
Weshaga	TSgt	16 CS/SCP	579-2980
Allridge	SSgt	16 SPS/SPAIR	579-7252
Lewis	Mr	HQ AFSOC/CE	579-2260
Podich	Mr	16 CES/CD	579-7701
Hoffman	Mr	16 CES/CECP	579-6439
Meri-Akri	Mr	16 CES/CECP	579-5310

KEY HURLBURT PERSONNEL CONTACTED

<u>NAME</u>	<u>RANK</u>	<u>OFFICE SYMBOL</u>	<u>DSN</u>
Bailey	Brigadier General	16 SOW/CC	579-7782
Gilbert	Col	16 SPTG/CC	579-4446
Upton	Col	505 CCEG/CC	579-5054
Hawkins	Col	505 CCEG/CD	579-1802
Rohlfing	Col	USAFBTS/CC	579-7741
Davis	Col	USAFAGOS/CC	579-7611
Le Grande	Lt Col	16 CES/CC	579-7701
Reed	Lt Col (S)	16 SPS/CC	579-7620
Caldwell	Maj	16 CS/CC	579-6643



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I. OPERATIONS

WORKING GROUP CHAIRPERSON: Lt Col Robert J. Sirois, Det 4, 505 CCEG,  
DSN 246-1472

CO-CHAIRPERSON: Maj Wade Palmore, HQ ACC/XPPB, DSN 574-7159

BASE POC: Col Carl Upson, 505 CCEG/CC, DSN 579-5054

1. GENERAL: The Operations (OPS) team surveyed the operations functions of Det 4, 505 CCEG, Theater Air Command and Control Simulation Facility (TACCSF). The OPS team mission was to assess facility space available to beddown Det 4, if the decision is made to move Det 4 to Hurlburt Field. Attention was focused on all options available to relocate Det 4 to Hurlburt with particular emphasis on locating Det 4 as close as possible to the 505 CCEG units. It was also assumed that the level of capability of Det 4 would not be degraded after the move.

2. ANALYSIS:

a. Det 4 provides advanced distributed simulation to a variety of joint agencies with a focus on theater air defense. Det 4 simulation efforts include a combination of constructive, virtual, and live operations. The unit uses Modeling and Simulation (M&S) for research, development, test, evaluation and training. The mission is accomplished through the use of high-fidelity, Distributed Interactive Simulation- (DIS) compliant, operator-in-the-loop, simulation systems and software. These systems include a variety of airborne weapons and sensor platforms along with several Army C4I and missile systems. In addition, Air Force Modular Control Equipment (MCE) and associated radar systems are modeled. These simulation efforts are distributed to joint agencies and their associated facilities worldwide over distributed networks to include SATCOM and dedicated T-1 connections, and the Defense Simulation Internet (DIS).

b. Det 4 requires a stand-alone facility to accomplish its mission. Due to the nature of the mission, scheduling, security, and diverse customer requirements, TACCSF could not share a facility within the constraints of available facilities currently in place at Hurlburt Field. The unit requires up to 40,900 square feet of space for 122 personnel, including 30 government military and civilian employees, and 92 contractors for technical support, and development, operations and maintenance (D,O&M). A test-bed on raised floor for the computer systems and simulators would require 21,100 square feet of space. Office and administrative support areas for the facility would require an additional 19,800 square feet. A potential site was located at Hurlburt Field in close proximity to the other 505 CCEG missions, which would facilitate linking of the facilities for communications and distributed simulation efforts. These efforts include a long-term goal of developing the Theater Battle Management Warfighting Center of Excellence to provide mission ready qualification for the Joint Forces Air Component Commander and his staff, which operate an AOC. The center of excellence concept would also provide operational test and evaluation and training for C4I systems and concepts in a more robust environment than is now possible.

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c. The facility used to house the USAF Battlestaff Training School (USAFBTS), often referred to as "Blue Flag", was considered as a potential option. Due to the facility's architectural limitations and conflicts arising out of the diverse nature of USAFBTS and TACCSF missions, it was determined to be unacceptable. The current facility would require a major renovation in layout, electrical support requirements, and additional building requirements before it could be considered. Risk is extremely high.

**3. RECOMMENDATIONS:**

a. Det 4, 505 CCEG, TACCSF, should be located at Hurlburt Field in a stand-alone facility at one of two sites within close proximity to other 505 CCEG units. This will facilitate the unit's mission and future requirements for advanced distributed simulation efforts.

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**II. Communication & Computer Systems**

Working Group Chairperson: Capt Franklin, 505th TSS

Base (Kirtland AFB) POC: TSgt Ray M. Owen, Det 4, 505 CCEG/TC

Hurlburt Field POC's: 1Lt John P. Rydland, 16 CS/SCP, DSN 579-4978  
TSgt M. Wes Haga, 16 CS/SCPP, DSN 579-2980

**1. GENERAL:** The 16th Communications Squadron was tasked to identify the communications assets and cost associated with moving Det 4, 505th CCEG to a new facility located in close proximity to the existing 505th CCEG located at Hurlburt Fld.

**2. ANALYSIS:** As a result of initial meetings with the Site Survey Team, 16 CS/SCP accepted the following items to research and cost.

- Identify the Administrative Telephone Cost
- Identify the Leased Communications Circuit Cost
- Identify the Administrative Local Area Network Connectivity Cost
- Identify the internal cabling cost associated with the war gaming/simulator network: 420 workstations
- Identify the external copper cable requirements

**A. Identify the Administrative Telephone Cost:**

Hurlburt Field operates administrative telephones under the single line concept which states that each individual phone is an individual line. This means there are no shared phone numbers. For Det 4, the use of the M5312 P-phone will satisfy their large intercom and conferencing requirements which they utilize presently. The following is a list of associated costs:

<u>Item</u>	<u>Cost</u>
M 5312 P-Phone	\$380.00
MT6X21AC (Card)	\$117.00
<u>Installation</u>	<u>\$50.00</u>
<b>Total per phone =</b>	<b>\$547.00</b>
<b>122 total phones =</b>	<b>\$66,734.00</b>

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B. Identify the Leased Communications Circuit Cost

The leased communications costs include:

<u>Circuit</u>	<u>Cost/Month</u>
Three T-1s to Arlington, VA area	\$5,800.00
One T-1 to San Diego, CA	\$6,500.00
One T-1 to Colorado Springs, CO	\$6,100.00
One T-1 to DSI node, Gunter AFB, AL	\$6,000.00
<b>Total per month =</b>	<b>\$24,400.00</b>

C. Identify Administrative Local Area Network Connectivity Costs

LAN connectivity costs for the new facility. See attached technical solution and costing in ACC/XPPB for exact equipment breakdown and associated costs. (**\$ 43,902.95**)

D. Identify Wide Area Lan Connectivity Cost (fiber):

Wide area network connectivity cost to utilize a new building will roughly total **\$40,000** to connect the new building with the existing 505th buildings. The existing 505th building (90005), will be connected via fiber through the Air Force Superhighway 2000 program. The \$40,000 covers the cost to lay additional fiber between the two buildings install the required end equipment. This cost comes from the Superhighway 2000 program and the Hurlburt Field STEM-B Mr Charles J Meyers, 485th EIG/ESC.

E. Identify cable costs for the 420 station war gaming and simulation area. This cost is based on a worst case cable estimate. Using a 100 x 200 ft open space, the longest single lateral cable run is 173 ft, excluding any vertical displacement.

420 stations x 173 ft = 72,660 feet of cable required

Plenum Ethernet Cable = \$210.00 / 1000 ft., (\$ .21/ft)

72,660 ft x (\$.21 per ft) = \$ 15,258.60

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F. Identify Copper Cable Connectivity External Costs

A 400 pair copper cable is required for copper cable connectivity into the base copper infrastructure.

Cost Covers: Cable & Hardware	\$ 9,400.00
Installation	<u>\$ 2,200.00</u>
<b>Total</b>	<b>\$11,600.00</b>

3. Total communications cost to provide the infrastructure necessary:

Administrative Telephone Cost	\$66,734.00
Leased Comm Cost	\$24,400.00
LAN Connectivity Cost	\$43,902.95
WAN Connectivity Cost	\$40,000.00
Simulation Room Cable Cost	\$15,258.60
Copper Cable Connectivity	\$11,600.00
<b>Total Communications Infrastructure Costs</b>	<b>\$201,895.55</b>

4. Note: The aforementioned costs do not include any Allied Support Costs. Refer to the DD Form 1391 associated with the building construction to determine Allied Support Costs.

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**III. Facilities**

Facilities Working Group Chairperson: Mr. Gene Thies, HQ ACC/CEPR,  
DSN 574-3187

Base POC: Alex Meri-Akri, 16 CES/CEC, DSN 579-5310

**General:** The purpose of the site survey is to determine the construction required to accommodate Det 4, 505 CCEG at Hurlburt Fld, FL. The attached facility validation checklist contains all information pertaining to the proposed construction of a 40,900 SF facility on the 727 radar site on Hurlburt Field near the 505 CCEG compound. Actual DD Fm 1391s and 1178 are on file with ACC/XPPB and ACC/CEPR.

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FACILITY VALIDATION CHECKLIST

DATE: 28-Apr-95

**PURPOSE** BRAC 95 Det 4, 505 CCEG from Kirtland AFB to Hurlburt  
**/LOCATION:** Field, FL.

SURVEY CONTROL NUMBER (If  
Required) \_\_\_\_\_

1. **ACC/XP TEAM CHIEF** (Name/Office/Phone): Major Wade Palmore, ACC/XPPB, DSN 574-7159
2. **ACC/CE TEAM CHIEF** (Name/Office/Phone): Gene Thies, ACC/CEPR, DSN 574-3187
3. **BASE FUNCTIONAL EXPERT** (Name/Office/Phone): Lt Col Robert Sirois, Det 4, 505 CCEG/CV, DSN 246-1471
4. **MAJCOM FUNCTIONAL EXPERT** (Name/Office/Phone): N/A
5. **TYPE OF CONSTRUCTION** (ADAL, New Construction, Renovation): New Construction
6. **CATEGORY CODE**: 171-623; Technical Training
7. **FUNCTION** (i.e., Maintenance Shops, Supply Warehouse, Squad Ops):

Theater Air Command and Control Simulation Facility for Air Defense simulation and training of aircrews and controllers.

10. **REQUIREMENTS** (i.e., AFR 86-2, Weapons Systems Requirements Plan, etc):

Reference ACC/XPPB Site Survey Report (pages 9 and 10), 13-16 Mar 95, Kirtland AFB NM. Actual personnel authorizations are 122 pn instead of the estimated 150 pn listed in the Kirtland report.

Special Purpose Space: 21,100 GSF; a unit unique requirement with no standard criteria. Secure Room criteria per DOD 5200.1-R Change 2, page V-2 and Appendix F.

General Administrative Space: 122 pn X 162 sf/pn equals 19,800 sf; per AF HDBK 32-1084, Chapter Eleven.

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**11. ANALYSIS (Requirement Compared to Existing Facilities):**

The Facility Working Group considered two options: 1) Utilizing Bldg. 90005 and 2) constructing a new facility. The high bay of the Blue Flag Bldg (90005), 505 CCEG facility was initially considered. The high bay currently contains a two-story Blue Flag training structure. Three-story construction would provide 25,000 sf of Detachment 4 unit requirement, leaving 15,900 sf to be constructed outside the building. The high bay would normally accommodate a three-story administrative structure but Blue Flag requires high ceilings for briefing displays and equipment, eliminating the potential for three-story construction. Since a three-story structure inside of Blue Flag building is not feasible, a stand-alone facility for Det 4 will be required. Siting of a new facility was limited to two areas on Hurlburt Field due to extensive wetland areas and the growing 16 SOW mission: One site across from the Base Civil Engineering (BCE) complex on Independence Road and another site currently used by the 727 ACS for radar operations. The site across from the BCE complex is further from Bldg. 90005 and is used for Army deployments and 16 CES training. IAW the base long-range development plan (page 34), the site is designated for future 16 SOW administrative functions. The site of the 727 ACS radar operation is close to Bldg. 90005 but will require relocation of a communications tower and the radar. The radar hill will have to be leveled. Despite these relocations, the 727 ACS radar site is the optimum choice for the 16 SOW and 505 CCEG missions.

**12. RECOMMENDATION:**

Construct stand-alone 40,900 sf facility at the 727 ACS radar site. Relocate 727 ACS communications tower and radar.

**13. TOTAL ESTIMATED COST: FY98**

a. Facility Cost Breakout (line item scope/cost):

ITEM	U/M	QUANTITY	COST	(\$000)
AIR DEFENSE SIMULATION/TRAINING FACILITY	SF	40,900	95	3,886
SUPPORTING FACILITIES				1,485
UTILITIES	LS			( 300)
PAVEMENTS	SY	6,400	46	( 295)
SITE IMPROVEMENTS	LS			( 300)
*RELOCATE RADAR/RADIO ANTENNAS	LS			( 150)
*RAISED FLOOR, SECURE ROOMS	SF	16,300	22	( 360)
*REMOVE RADAR MOUND	CY	20,000	4	( 80)
SUBTOTAL				5,371
CONTINGENCY (5%)				269
TOTAL CONTRACT COST				5,640
SUPERVISION, INSPECTION AND OVERHEAD (6%)				338
TOTAL REQUEST				5,978
TOTAL REQUEST (ROUNDED)				6,000

b. Source of Facility Cost for Each Line Item (AF Price Guide, Local Price Sources, etc.):



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All cost estimates were sourced from AF Price Guide in WIMS PDC except those marked by \* which came from MEANS Construction Price Guide, 1994.

BRAC BUDGET PROGRAM OR \_\_\_\_\_  
PROGRAM ELEMENT CODE \_\_\_\_\_

**14. COST ESTIMATE PREPARED BY:**

**a. BASE REPRESENTATIVE:**

(Print or Type Name/Office/DSN)	(Signature)
ALEX MERI-AKRI 16 CES/CEC 579-5310	\\SIGNED\\

**a. ACC CES/ESP REPRESENTATIVE:**

(Print or Type Name/Office/DSN)	(Signature)
SEBASTIAN REMICCI	\\SIGNED\\

**15. COORDINATION**

**a. BASE**

(Print or Type Name/Office/DSN)	(Signature)
COMMUNITY PLANNER CARL T. HOFFMAN	\\SIGNED\\
BASE MILCON PROGRAMMER ALEX MERI-AKRI	\\SIGNED\\
REAL PROPERTY OFFICER BECKY BARRETT	\\SIGNED\\
CHIEF ENGINEER THOMAS BALLASCH	\\SIGNED\\
RESOURCE MANAGER LT. PETER JENNESS	\\SIGNED\\

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<b>ENVIRONMENTAL ENGINEER MICHAEL GOLD</b>	<b>\\SIGNED\\</b>
<b>DEPUTY BASE CIVIL ENGINEER NICHOLAS PODICH</b>	<b>\\SIGNED\\</b>

**b. AUDITORS**

<b>(Print or Type Name/Office/DSN)</b>	<b>(Signature)</b>
<b>AIR FORCE AUDITORS BOB NEWBURN</b>	<b>\\SIGNED\\</b>

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HQ ACC/DOR/DOS/DOT 205 Dodd Blvd. STE 101 Langley AFB VA 23665-2789	3
HQ ACC/DRB/DRC/DRF/DRM/DRSMO-2 204 Dodd Blvd. Ste 226 Langley AFB, VA 23665-7777	5
HQ ACC/FMA/FMF 216 Sweeney Blvd. Ste 212 Langley AFB VA 23665-2792	2
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ACC CES/ESE Crestar Bldg STE 500 11817 Canon Blvd. Newport News VA 23606	2
HQ ACC/TNA/INF 129 Andrews St. Ste 150 Langley AFB VA 23665-2767	2
USAF AWC/CC/CS 203 West D Avenue Rm. 600 Eglin AFB FL 32542-6867	2
HQ AFSOC/XP 100 Bartley St Hurlburt Field, FL 32544-5273	1
16 SOW/CC/CS 131 Bartley St Ste 315 Hurlburt Field, FL 32544-5273	2
505 CCEG/CC 142 Hartson St Hurlburt Field, FL 32544	1
Det 4, 505 CCEG/CC/CV 1655 First St., SE Kirtland AFB, NM 87117-5617	2
HQ AFMC/XPX 4375 Chidlaw St Ste 6 Wright Patterson AFB, OH 45433-5006	1
Total	45

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***DIRECTOR  
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**ACC FACILITIES ASSESSMENT**

**KIRTLAND AFB, NEW MEXICO**

**13-16 MAR 95**

**HQ ACC/XPPB**

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### **INTRODUCTION**

HQ ACC/XPPB led an ACC team of selected functional area experts to identify facility requirements of ACC units currently located on Kirtland AFB. These units, Det 4, 505 CCEG and Det 1, 31 TES, will potentially relocate to other bases as a result of SECDEF recommendations to the Defense Base Closure and Realignment Commission. At Air Staff request, the ACC team looked at selected Field Command Defense Nuclear Agency (FCDNA) facilities requirements in preparation for their move to Nellis AFB.

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SITE SURVEY TEAM ROSTER

<u>NAME</u>	<u>RANK</u>	<u>OFFICE SYMBOL</u>	<u>DSN</u>
Brad Purvis	Maj	HQ ACC/XPPB	574-7159
Wade Palmore	Maj	HQ ACC/XPPB	574-7159
Jennie Dickover	Capt	HQ ACC/SCXP	574-4011
Bryon Rodriguez	2Lt	USAF WTC/XP	682-3138
Gene Theis	Civ	HQ ACC/CEPR	574-3187

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**I. DET 4, 505TH COMMAND & CONTROL EVALUATION GROUP (CEEG)**

**A. Communication & Computer Systems**

Working Group Chairperson: Capt Jennie E. Dickover, HQ ACC/SCXP, DSN 574-4011

Base POC: TSgt Ray M. Owen, Det 4, 505 CCEG/TC

1. **GENERAL:** The Communications Working Group (CWG) surveyed the communications infrastructures and manpower authorizations of the 505 CCEG.

2. **ANALYSIS:**

a. **Base Communications Infrastructure.**

(1) The 505th consists of 2 buildings (Bldg 20361 and 20360) connected with a T3 circuit. The main computer facility is 20,000 SF of space occupied with various computers and simulator necessary to perform the mission of the unit. There are 150 users in the unit. The communications infrastructure in both buildings is adequate.

(2) The communications infrastructure includes personal computer workstations, 3 separate LANs, and many computer simulation suites. The 3 LANs include one for the unit and one for each of two contractors. There is also a requirement for LAN connectivity to three other sites which is being accomplished by 6 T1 circuits. The unit can meet its needs with 2 pairs of fiber cable to the Base Communications Squadron. These cables should be run independently to prevent single point of failure. In addition, there is approximately 30 ft of fiber optic cable connecting the computers in the test-bed.

(3) The security requirements will be outlined for each system in the site survey from Eglin. The existing facility is operating under waivers and it will be necessary to house the equipment in a vault at the new location.

(4) There is a Video Teleconference Center located in one of the briefing rooms that will be moved. It is a point to point connection to Washington, DC.

(5) There are no satellite requirements for this unit.

b. **Manpower Authorizations.**

(1) There are a total of 150 manpower authorizations, however, there has been no breakdown by AFSC.



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**B. Facilities**

Working Group Chairperson: Mr. Gene Thies, HQ ACC/CEPR, DSN 574-3187

Base POC: Capt Thomas Akin, Det 4, 505 CCEG/DE, DSN 246-1600

1. **GENERAL:** The purpose of this Facility Site Survey is to identify facility requirements for Det 4, 505 CCEG that is being considered for relocation from Kirtland AFB to Hurlburt Field, FL.

2. **ANALYSIS:** The unit presented a facility requirements plan based on their existing facilities. The team toured the facilities. The unit occupies 40,900 SF in two buildings. They occupy all of Building 20361, (36,300 SF), and a small portion of Building 20360, (4,600 SF). This facility utilization information came from base real property records. Most of the computer and terminal functions are maintained in secure areas. These areas must be secured to store computer systems that contain Top Secret classified information. Vault construction for these computer systems may be required and will depend on the facility location at Hurlburt Field. The working group performed a functional analysis of the unit plan. The facility requirement is broken down into two main categories; general administrative and special purpose space. Floor plans of current facility usage will be maintained in official ACC/CEPR files.

3. **RECOMMENDATION:** The following space requirements are the result of analysis and discussion with unit personnel and contractor representatives.

a. **Facility Requirement Criteria:** The following information provides the tools and guidelines to assist in the development of an organization total facility requirement.

(1) Facility Requirements Policy and Guidance

-- AF HDBK 32-1084, Standard Facility Requirements Handbook (Replaces AFM 86-2)

-- Space based upon authorized not assigned

(2) Facility Requirements Criteria Summary:

Computer Area (secure vault)	10,000 GSF
Node Terminals (secure vault)	5,000 GSF
Visitor Gallery (secure vault)	850 GSF
White Force Terminal (secure vault)	400 GSF
Communications/LAN Equipment	1,000 GSF
Maint, Storage, Shipping	1,000 GSF
Training/Briefing 150 PN	2,500 GSF
Break Room	350 GSF

**UNCLASSIFIED**

**II. DET 1, 31 TEST & EVALUATION SQUADRON**

**A. Communications & Computer Systems**

Working Group Chairperson: Capt Jennie E. Dickover, HQ ACC/SCXP, DSN 574-4011

Base POC: TSgt Riley, DET 1, 31 TES, DSN 246-2331

1. **GENERAL:** The purpose of the communications site survey is to identify the existing communications requirements of the unit. The unit consists of 31 positions which support the AFOTEC test and evaluation mission. All of the assets, to include the computers and communication support, belong to AFOTEC.

2. **ANALYSIS:** The computers are old VAX machines, but fairly limited in number. The test-bed is completely self-contained and requires no outside connectivity. The unit is connected to the AFOTEC LAN, but if it moved to Edwards, may need to be connected to the new host unit. If the computers are moved to Eglin with the AFOTEC host, new processing capabilities may be necessary. This is not a stand alone unit, and may need outside communication support at its final location.

3. **RECOMMENDATION:** A true idea of the communications requirements beyond administrative computer and phone support will depend on the final location.

**B. Facilities**

Working Group Chairperson: Mr. Gene Thies, HQ ACC/CEPR, DSN 574-3187

Base POC: CMSgt Fain, Det 1, 31 TES, DSN 246-2331

1. **GENERAL:** The purpose of the facility study is to identify facility requirements for the Det 1, 31 TES that is being considered for relocation from Kirtland AFB.

2. **ANALYSIS:** The unit presented a brief description of their function and space. The team toured the facility. The unit occupies approximately 400 Net Square Feet (NSF) of general administrative space for 5 persons, and 2,500 NSF of secure vault area for 26 persons. The unit is fully contained in a portion of Building 20129 with AFOTEC functions. The computer systems used by the unit contain Top Secret information and must be secured in a SCIF.

3. **RECOMMENDATION:** In accordance with AF-HDBK 32-1084, Standard Facility Requirements Handbook, the unit requires approximately 650 NSF (130 SF/PN) of general administrative space and 2,500 NSF of secure vault space.

UNCLASSIFIED

CURRENT FCDNA TEST DIRECTORATE FACILITIES

BUILDING #	EXISTING SF	DESCRIPTION
613	10083	R&D
614	5247	R&D
641	1000	STORAGE
730	2165	OFFICE
734	11513	R&D, 5K OFFICE
20362	34691	2120 CONF, 400 VAULT, 805 CALIB. LAB, OFFICE
20414	14196	LAB, 1500 OFFICE
20677	4559	INSTRUMENTATION
29022	700	EXPLOSIVES BUNKER
29023	700	EXPLOSIVES BUNKER
29025	700	EXPLOSIVES BUNKER
29026	700	EXPLOSIVES BUNKER
29024	100	EXPLOSIVES STORAGE BOX
57101	8220	WAREHOUSE/ASSEMBLY AREA

3. RECOMMENDATION: FCDNA produce a draft plan for Nellis AFB facilities that consolidates the numerous individual facilities currently on Kirtland AFB. This plan will be used on the Nellis AFB site survey, 27-31 Mar 95.

UNCLASSIFIED

ACC CES/ESE Crestar Bldg STE 500 11817 Canon Blvd. Newport News VA 23606	2
HQ ACC/INA/INF 129 Andrews St. Ste 150 Langley AFB VA 23665-2767	2
USAF AWC/CC/CS 203 West D Avenue Rm. 600 Eglin AFB FL 32542-6867	2
USAF WTC/CS 4370 North Washington Blvd Ste 117 Nellis AFB NV 89191-7076	1
Det 4, 505 CCEG/CC 1655 First St., SE Kirtland AFB, NM 87117-5617	1
31 TES/CC 60 North Wolf Ave. Edwards AFB, CA 93524-6275	1
Det 1, 31 TES/CC 8500 Gibson Blvd., SE Kirtland AFB, NM 87117-5000	1
FCDNA 1680 Texas St SE Kirtland AFB, NM 87117-5000	3
Defense Nuclear Agency 6801 Telegraph Rd Alexandria, VA 22310	1
79 TEG/CC 203 West D Ave, Suite 400 Eglin AFB, FL 32542-6867	1
Total	47

Code Buck  
AFW/XP  
367-7485



## BRAC 95 SITE SURVEYS



MAJOR TONY LOPER  
BASES & UNITS BRANCH  
PLANS & OPERATIONS  
7 APRIL 1995



## OVERVIEW

- OBJECTIVE
- ASSUMPTIONS
- MISSION LAY-IN
- COSTS
- WHAT'S NEXT



## OBJECTIVE

- DETERMINE THE "BILL TO PAY" TO IMPLEMENT BRAC RECOMMENDATIONS
  - RELOCATE 58 SOW FROM KIRTLAND AFB TO HOLLOMAN AFB
  - RELOCATE DEFENSE NUCLEAR AGENCY FROM KIRTLAND AFB TO HOLLOMAN AFB



## ASSUMPTIONS

- TAIWANESE AT-38 PROGRAM LEAVES AS PROGRAMMED
  - LOCKHEED CONSOLIDATES INTO BLDG 301
  - BLDG 500 BECOMES AVAILABLE
- 49 FW SJA & SOCIAL ACTIONS MOVES TO BLDG 318
  - BRAC FUNDS BLDG 318 ALTERATION
  - BLDG 302 BECOMES AVAILABLE



## MISSION LAY-IN

- OUR APPROACH
  - EXISTING CAPACITY
  - O&M PROJECTS
  - MILCON PROJECTS



## EXISTING CAPACITY PAVEMENTS

<u>ITEM</u>	<u>COST(\$M)</u>
RUNWAY	0



## EXISTING CAPACITY MAINTENANCE

<u>ITEM</u>	<u>COST(\$M)</u>
PMEL	0
NDI	0
SUPPLY WAREHOUSE	0
VEHICLE MAINTENANCE	0



## EXISTING CAPACITY POL

<u>ITEM</u>	<u>COST(\$M)</u>
JP-8 STORAGE	0
MOGAS STORAGE	0
DIESEL STORAGE	0
LOX	0
NITROGEN	0





## EXISTING CAPACITY SUPPORT

<u>ITEM</u>	<u>COST(\$M)</u>
VOQ (48 ROOMS)	0
DORMITORY (73 BEDSPACES)	0
DINING HALL (277 MEALS)	0



## O&M PROJECTS

<u>ITEM</u>	<u>COST(\$M)</u>
COVER SWIMMING POOL	0.30
BASE COMM INFRASTRUCTURE	2.23
INSTALL COMM EQUIPMENT	0.29
ADDITIONAL CIRCUITS	0.07
WEATHER SUPPORT	0.11
REMOTE SWITCH UPGRADE	0.55
ENGINEERING SITE SURVEYS	0.01
VOQ, VAQ, DORM FURNITURE	1.30
COMM FACILITY	0.19



## MILCON PAVEMENTS

<u>PROJECT</u>	<u>COST(\$M)</u>
AUX FIELD/ASSAULT STRIP/ HELIPADS	6.40
TAXIWAY W/ SHOULDER	5.50
APRONS/RAMP/HELIPADS	15.00



## MILCON MAINTENANCE

<u>PROJECT</u>	<u>COST(\$M)</u>
C-130 MAINTENANCE HANGAR (1 SPOT)/C-130 AMU	5.80
HELO MAINT HANGAR (4 SPOTS) H-53 AMU/H-1/H-60 AMU/FORWARD AREA SUPPLY TERMINAL	9.70
CORROSION CONTROL (1 SPOT)	3.90
FUEL CELL	4.25
AVIONICS/GEN PURPOSE MAINT/ GUN SHOP	10.20



## MILCON MAINTENANCE

<u>PROJECT</u>	<u>COST(\$M)</u>
AGE SHOP/COVERED STORAGE/ YARD	2.45
SURVIVAL EQUIP SHOP/AERIAL DELIVERY FACILITY	4.80
TEST CELL	0.40
ENGINE QUEEN BEE	4.75



## MILCON MUNITIONS

<u>PROJECT</u>	<u>COST(\$M)</u>
MULTICUBICLE MAGAZINE STORAGE	0.94



## MILCON OPERATIONS

<u>PROJECT</u>	<u>COST(\$M)</u>
WING/GROUP HQ/OSS	3.90
LSS	1.60
C-130, H-53, H-1/H-60 SQUAD OPS/ CCT/STORAGE	8.40
SIMULATOR FACILITY (11 W/ COMPUTER)	17.00
ACADEMIC CLASSROOMS	10.00
SIM W/O COMPUTER/TRNG AID FAB SHOP	1.05



## MILCON OPERATIONS

<u>PROJECT</u>	<u>COST(\$M)</u>
PARARESCUE & FTD (BLDG 302)	1.50



## MILCON SUPPORT

<u>PROJECT</u>	<u>COST(\$M)</u>
VOQ (40 ROOMS)	3.80
VAQ (144 ROOMS)	7.08
DORMITORY (176 PN)	8.40
ADAL CHILD DEV CENTER	0.98
ADAL YOUTH CENTER	0.90
ADAL HOSPITAL	3.10
FIRE STATION	1.25



## MILCON SUPPORT

<u>PROJECT</u>	<u>COST(\$M)</u>
BASE INFRASTRUCTURE	5.80
COMM SUPPORT	1.00
MFH (600 UNITS)	78.20
FY97 200 UNITS	
FY99 200 UNITS	
FY01 200 UNITS	
MILCON PLANNING & DESIGN	21.00



## OTHER COMM COSTS

<u>ITEM</u>	<u>COST (\$M)</u>
TRUNKED LAND MOBILE RADIO	1.22
REMOTE SWITCH UPGRADE	1.39



## SURVEY COSTS

<u>APPN</u>	<u>AMOUNT (\$M)</u>
3300	145.94
3400	4.86
3080	2.61
7040	78.20
600/700	<u>0.00</u>
TOTAL	231.61



## UNDER REVIEW

<u>PROJECT</u>	<u>COST(\$M)</u>
TAXIWAY (33,300 SY)	5.90
BAI PARKING (24,200 SY)	2.95
RENOVATE VOQ	TBD



## WHAT'S NEXT

- CALCULATE TOTAL PROGRAM COST
  - RESULTS OF HOLLOMAN SITE SURVEY
  - ADDITIONAL COSTS COMPUTED AT HQ AETC
- 14 & 17 APR 95 - XOP BRIEF AETC LEADERSHIP
- 20 APR 95 - AFMC BRIEF HOLLOMAN MILCON TO USAF/CEP
- 3 MAY 95 - AFMC BRIEF TOTAL PROGRAM TO AF BCWG



## WHAT'S NEXT

- 4 MAY 95 - AFMC BRIEF TOTAL PROGRAM TO AF BCEG





## FORCE STRUCTURE FY97/4

<u>MDS</u>	<u>PAA</u>	<u>BAI</u>	<u>TAI</u>
MC-130	3	0	3
HC-130	4	0	4
TH-53	4	2	6
MH-53	4	0	4
HH-60	7	0	7
UH-1	4	2	6



## MANPOWER (FY97/4)

### PERM PARTY

<u>OFF</u>	<u>ENL</u>	<u>CIV</u>	<u>TOT</u>
156	1025	80	1261

(CONTRACTORS: 246)

### AVG DAILY STUDENT LOAD

<u>OFF</u>	<u>ENL</u>	<u>CIV</u>	<u>TOT</u>
100	220	0	320

## 58 SOW REQUIREMENTS

### PAVEMENTS

<u>ITEM</u>	<u>RQMT</u>
RUNWAY (7,000 FT)	117,000 SY
TAXIWAY	32,500 SY
APRONS	127,600 SY
HELO PADS (4 W/ ASPHALT SHOULDER)	27,200 SY
RADAR BORE PAD	1,800 SY

### MAINTENANCE

<u>ITEM</u>	<u>RQMT</u>
C-130 AMU	9,000 SF
H-53 AMU	8,500 SF
H-60/H-1 AMU	5,000 SF
C-130 MAINT HANGAR (1 SPOT)	20,000 SF
CORROSION CONTROL (1 SPOT)	18,200 SF
HELO MAINT HANGAR (4 SPOTS)	36,735 SF
GENERAL PURPOSE MAINT	25,000 SF
NONDESTRUCTIVE INSPECT	4,000 SF
FUEL CELL (INC BENSON TANKS)	23,000 SF
AVIONICS	40,000 SF
AGE SHOP	10,350 SF
AGE COVERED STORAGE	15,530 SF
AGE YARD	172 SY
SURVIVAL EQUIP SHOP	10,766 SF
SUPPLY WAREHOUSE	24,000 SF
FORWARD SUPPLY POINT (FAST)	8,062 SF
ENGINE QUEEN BEE	36,200 SF
GUN SHOP	7,158 SF
TEST CELL	7,418 SF
PMEL	1550 ITEMS
VEHICLE MAINTENANCE	96 VEHICLES

## MUNITIONS

<u>ITEM</u>	<u>RQMT</u>
MUNITIONS STORAGE	4,000 SF

## POL

<u>ITEM</u>	<u>RQMT</u>
JP-8 STORAGE	347,204 GAL/MO
MOGAS STORAGE	1,060 GAL/MO
DIESEL STORAGE	11,430 GAL/MO
LOX	1,760 GAL/MO
NITROGEN	2500 CU FT/MO

## OPERATIONS

<u>ITEM</u>	<u>RQMT</u>
WING/GROUP HQ	18,106 SF
OPS SUPP SQ	5,312 SF
PARARESCUE FACILITY	30,789 SF
LOG SUPP SQ	9,038 SF
C-130 SQUADRON OPS	17,500 SF
H-53 SQUADRON OPS	12,931 SF
H-60/H-1 SQUADRON OPS	14,000 SF
FTD	10,600 SF
SIMULATOR (11 W/ COMPUTER & SUBSTATION)	74,680 SF
SIMULATOR (5 W/O COMPUTER)	35,875 SF
ACADEMIC FACILITIES	56,738 SF
AERIAL DELIVERY FACILITY	15,700 SF
TRNG DEVICE FAB SHOP	7,500 SF
DROP ZONES (3)	960 ACRES
AUXILARY FIELD (W/ 1200 SF FIRE STATION)	600 ACRES
ASSAULT STRIP	40,000 SY
COVERED POOL	LS
PJ CLIMBING WALL	LS

## SUPPORT

<u>ITEM</u>	<u>RQMT</u>
VOQ (ROOMS)	88
VAQ (ROOMS)	144
DORMITORY (ROOMS)	356
DINING HALL (MEALS)	277
MFH (UNITS)	711
OTHER SUPPORT	

## COMM-COMPUTER

### ITEM

ENGINEERING & INSTALLATION  
TELEPHONE INSTALLATION  
COMM CABLE  
CONTRACTOR SUPPORT  
LAN EQUIP INSTALL  
A-V EQUIP INSTALL  
VTC SYSTEM INSTALL  
ADDITIONAL CIRCUITS  
ATCALs  
LAND MOBILE RADIO  
UHF CIRCUIT  
COMPUTER LINE MODULE  
TELEPHONE SWITCH EXPANSION  
FACILITY PREWIRING  
COMM CONSTRUCTION SUPPORT



## **BRAC 95 SITE SURVEYS**



**MAJOR TONY LOPER  
BASES & UNITS BRANCH  
PLANS & OPERATIONS**



## **OBJECTIVE**



**DETERMINE THE "BILL TO PAY" TO  
IMPLEMENT BRAC RECOMMENDATIONS**



## HQ AETC SURVEY TEAM



COL FOX	AXO	487-4527
MAJ LOPER	XOPU	487-3390
MAJ CANTOR	XOPU	487-3390
MAJ THOMPSON	XOPU	487-3390
MAJ HAMBLIN	XOPB	487-4411
MAJ TILLEMA	XOTS	487-5704
MAJ WINFIELD	XOTS	487-5704
TSGT BUTCHER	XOSF	487-5756



## HQ AETC SURVEY TEAM



CAPT FOGARTY	CEPR	487-6200
CAPT WINKLER	CEPR	487-6200
MS SPIVEY	CECB	487-4658
MAJ EDDINGTON	LGXP	487-4602
CAPT HENLEY	LGXP	487-4602
CMSGT HAUCH	LGXP	487-4602
MSGT MARTINEZ	LGMA <sup>T</sup>	487-3663
MR MCCURLEY	SCXX	487-6954



## GUIDELINES



- **SITE SURVEYS REFINE & VALIDATE MILCON/O&M REQUIREMENTS**
- **BRAC ONLY PAYS FOR WHAT IS REQUIRED OR WHAT CURRENTLY EXISTS, WHICHEVER IS LESS**
  - **MAKE MAXIMUM USE OF EXISTING FACILITIES**
  - **AFI 32-1024 WILL BE USED FOR SPACE REQUIREMENTS**
  - **SPECIAL-USE SPACE MUST BE JUSTIFIED**
- **BOS & OTHER COSTS MUST BE DEFINED**



## OUR APPROACH



- **IDENTIFY ALL FACILITY REQUIREMENTS**
  - **OPS**
  - **MAINTENANCE/LOGISTICS**
  - **ADMIN**
  - **SPECIAL-USE**
  - **DORMS**
  - **MUNITIONS/WEAPONS STORAGE**
  - **PAVEMENTS**
  - **SECURITY**
  - **UTILITIES**



## OUR APPROACH



- MILCON
  - USE MILCON PRICING GUIDE
  - SHOW PLANNING & DESIGN SEPARATELY
    - AFI 32-1024 OR EXISTING SPACE
    - 8.5% OF PROJECT TOTAL
  - 1391s COMPLETED DURING SURVEY



## OUR APPROACH



- OPERATIONS & MAINTENANCE (O&M)
  - ADD/ALTER CONSTRUCTION PROJECTS—  
SAME AS MILCON
  - CIVILIAN PERSONNEL
    - PCS
    - SEVERANCE
    - UNEMPLOYMENT





## OUR APPROACH



- O&M (CONT.)
  - PACKING & SHIPPING
    - LG ESTIMATES NUMBER OF ITEMS & WEIGHT & CUBE TO SHIP
    - LG CALCULATES COST
      - PACKING
      - SHIPPING
      - DISASSEMBLY & ASSEMBLY



## OUR APPROACH



- O&M (CONT.)
  - COMMUNICATIONS-COMPUTER COSTS
    - SWITCH EXPANSION
    - REHOMING CIRCUITS
    - EXPANSION OF COMM INFRASTRUCTURE
    - INSTALLATION, REMOVAL, & RELOCATION OF EQUIPMENT



## OUR APPROACH



- **MILITARY FAMILY HOUSING**
  - **AF/CEHH VALIDATES REQUIREMENT**
  - **ONLY IF NEEDED**
- **OTHER PROCUREMENT**
  - **COMMUNICATIONS**
  - **STORAGE TANKS**
  - **EQUIPMENT**

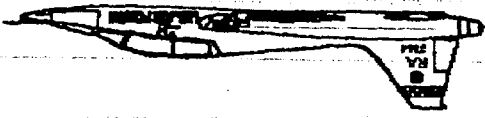


## WHAT'S NEXT



- **CALCULATE TOTAL PROGRAM COST**
  - **RESULTS OF SITE SURVEYS**
  - **ADDITIONAL COSTS COMPUTED AT HQ  
AETC**
- **BRIEF AETC LEADERSHIP**
- **BRIEF MILCON RESULTS TO USAF/CE**
- **BRIEF TOTAL PROGRAM TO BCEG**

MAJOR TONY LOFER  
BASES & UNITS BRANCH  
PLANS & OPERATIONS  
17 MARCH 1995



# BRAC 95 SITE SURVEYS



9:21  
MED  
95  
3

501

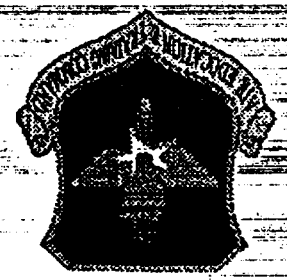
• WHAT'S NEXT

• DETAILED REQUIREMENTS

• CURRENT v. REQUIRED

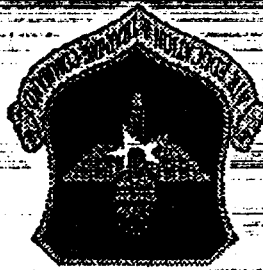
• OBJECTIVE

# OVERVIEW



# DETERMINE THE "BILL TO PAY" TO IMPLEMENT BRAC RECOMMENDATIONS

## OBJECTIVE



**AVG DAILY STUDENT LOAD**

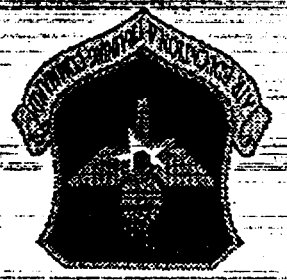
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100	220	0	320

**(CONTRACTORS: 246)**

<b>OFF</b>	<b>ENT</b>	<b>CIV</b>	<b>TOT</b>
156	1025	80	1261

**PERM PARTY**

**MANPOWER**  
**(FY97/4)**





PRINTED 9:24

2/1

9600 CF

9600 CF

MUNITIONS

4

19

HELO

3

4

C-130

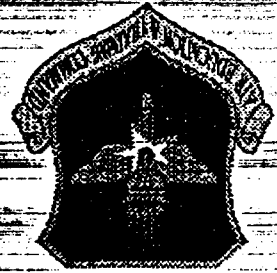
COVERED PARKING

REQUIRED

CURRENT

TITLE

CURRENT v. REQUIRED



P-07



# CURRENT v. REQUIRED



**TITLE**      **CURRENT**      **REQUIRED**

## OPERATIONS

**WG/GP**      **21,000 SF**      **18,106 SF**

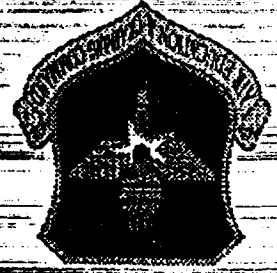
**SO OPS**      **85,522 SF**      **71,193 SF**

**OSS**      **6,000 SF**      **5,312 SF**

**LSS**      **19,000 SF**      **18,800 SF**

2/1

# PAVEMENTS



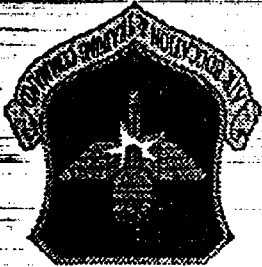
QTY (SQ)	TITLE
117,000	RUNWAY (7,000 FT)
87,500	TAXIWAY
115,100	APRONS
23,500	HELLO PADS (4)
1,800	RADAR BORE PAD
92,500	AUXILIARY FIELD (600 ACRES W/ 1200 SF FIRE STATION)

# MAINTENANCE



TITLE	ROOMT (SF)
C-130 AMU	19,775
H-53 AMU	14,840
H-60/H-1 AMU	5,030
C-130 MAINT HANGAR (INC CORROSION CONTROL)	66,050
HELO MAINT HANGAR (4 SPACES)	36,735
GENERAL PURPOSE MAINT	25,500
NONDESTRUCTIVE INSPECT	4,000

# MAINTENANCE CONT.



TITLE	RQMT (SF)
FUEL CELL	23,000
AVIONICS	40,000
AGCT SUPP EQUIP SHOP (AGE)	19,200
SURVIVAL EQUIP SHOP	10,766
SUPPLY WAREHOUSE	35,750
ENGINE QUEEN BEE	36,200
GUN SHOP	7,158
TEST CELL	40,000

611

411

1550 ITEMS

PMEL

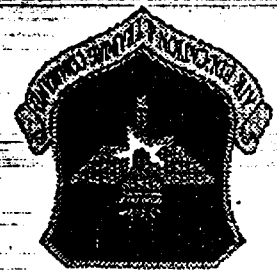
333 SY

AGE YARD

ROMT

TITLE

# MAINTENANCE CONT.



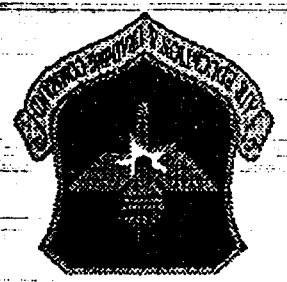
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91

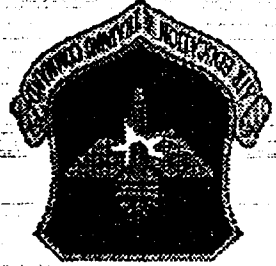
MUNITIONS STORAGE (GLOOS) 9,600

TITLE ROOM (CF)

MUNITIONS



TITLE	RQMT
JP-8 STORAGE	347,204 GAL/MO
MOGAS STORAGE	1,060 GAL/MO
DIESEL STORAGE	11,430 GAL/MO
LOX	1,760 GAL/MO
NITROGEN	2500 CU FT/MO



POL

# OPERATIONS



**ROOMT (SF)**

18,106

**WING/GROUP HQ**

5,312

**OPS SUPP SQ**

30,789

**PARARESCUE FACILITY**

18,843

**LOG SUPP SQ**

21,972

**C-130 SQUADRON OPS**

18,556

**H-53 SQUADRON OPS**

14,893

**H-60/H-1 SQUADRON OPS**

10,600

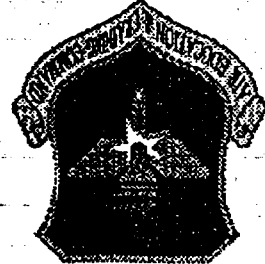
**FTD**



# OPERATIONS CONT.



TITLE	ROOM (SF)
SIMULATOR (11 W/ COMPUTER)	74,680
ELECTRICAL SUBSTATION	TBD
SIMULATOR (5 W/O COMPUTER)	35,875
ACADEMIC FACILITIES	56,738
AERIAL DELIVERY FACILITY	15,700



# OPERATIONS CONT.

ROOM

TITLE

CONSTRUCT

PJ CLIMBING WALL

960 ACRES

DROP ZONES (3)

40,000 SY

ASSAULT STRIP

124

<u>ROOM</u>	<u>TITLE</u>
88	VOQ (ROOMS)
144	VAQ (ROOMS)
356	DORMITORY (ROOMS)
277	DINING HALL (MEALS)
709	MFH (UNITS)

# SUPPORT



**COMM-COMPUTER  
LOSING BASE**



**MAN HRS**

**TITLE**

**302**

**ENGINEERING & INSTALLATION**

**330**

**COMM EQUIP REMOVAL**

**CONTRACTOR SUPPORT**

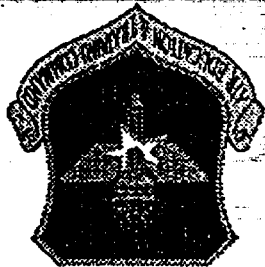
**LAN EQUIP REMOVAL**

**A-V EQUIP REMOVAL**

**VTC SYSTEM REMOVAL**

**CIRCUIT DEACTIVATION**

COMM-COMPUTER  
GAINING BASE



MAN HOURS

TITLE

5,527

ENGINEERING & INSTALLATION

TELEPHONE INSTALLATION

COMM CABLE

CONTRACTOR SUPPORT

330

LAN EQUIP INSTALL

A-V EQUIP INSTALL

VTC SYSTEM INSTALL

ADDITIONAL CIRCUITS



R  
N  
S  
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S  
: 3  
1

STATIC DISPLAYS (12 ACFT; 5 HULKS)

SIMULATORS

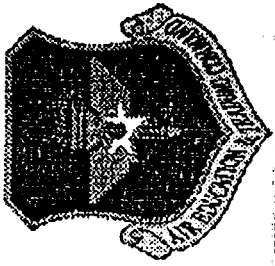
EQUIPMENT

TITLE

PACKING & SHIPPING



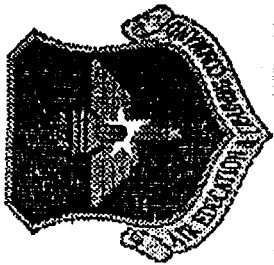
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# WHAT'S NEXT

- BEDDOWN SITE SURVEY AT HOLLOMAN
- 3-7 APR 95
- ATTENDEES
- CALCULATE TOTAL PROGRAM COST
- RESULTS OF HOLLOMAN SITE SURVEY
- ADDITIONAL COSTS COMPUTED AT  
HQ AETC





# WHAT'S NEXT

- 17-19 APR 95 - XOP BRIEF AETC LEADERSHIP
- 26 APR 95 - AFMC BRIEF HOLLOMAN MILCON  
TO USAF/CE
- 1 MAY 95 - AFMC BRIEF TOTAL PROGRAM TO  
BCEG

**Kirtland Organizations and Manpower Authorizations**

**AF Organizations (\* indicates unit remains at Kirtland)**

Organization	Officer	Enlisted	Civilian	Total
Special Operations Training Forces	194	1,159	196	1,549
AFOTEC	344	102	219	665
AFIA, AFSC	141	48	111	300
AF Office of the Security Police	16	31	20	67
NCO Academy	0	14	1	15
AF portion of DNA manpower	62	63	12	137
Misc AF Tenants, Suppt Ret (Base X bound)	227	620	162	1,009
Eliminations	42	705	-111	636
BOS Support for AFRES/ANG units	0	0	37	37 *
Philips Lab (after civilianization)	190	47	1,049	1,286 *
SMC Test Group (after civilianization)	61	1	188	250 *
898th Munitions Squadron (after civilianization)	1	9	311	321 *
EOD Support for 898th	0	8	1	9 *
AFRES	0	2	4	6 *
ANG (F-16s)	19	61	276	356 *
<b>Total (Active Duty Only)</b>	<b>1,278</b>	<b>2,867</b>	<b>2,196</b>	<b>6,281</b>
<b>Total To Move</b>	<b>984</b>	<b>2,037</b>	<b>721</b>	<b>3,742</b>
<b>Total To Eliminate</b>	<b>42</b>	<b>705</b>	<b>-111</b>	<b>636</b>
<b>Total Active Duty to Remain</b>	<b>252</b>	<b>65</b>	<b>1,586</b>	<b>1,903</b>

Source: PE Data Sheet 5/4/95

DNA provided by DNA HQ (Col Summer) on 27 Jan 95, 29 Jan, 31 Jan

**Non-AF Tenants (\* indicates unit remains at Kirtland)**

Organization	Officer	Enlisted	Civilian	Total
AFB Seismological Lab	0	0	65	65 *
Corps of Engineers	4	0	301	305 *
DCMAO Phoenix Residency	1	0	40	41 *
Defense Printing Service	0	0	3	3 *
Defense Commissary Agency	0	7	84	91
Def Reutilization & Marketing Office	0	0	15	15
Defense Contract Mgt Ops Office	0	0	120	120 *
Defense Eval Support Activity	14	6	73	93 *
Def Finance & Accounting Service	0	11	57	68
Defense Industrial Resource Service	0	0	4	4 *
Defense Investigative Service	0	0	13	13 *
Dept of Energy ABQ Ops	0	0	877	877 *
Drug Interdiction Program	6	24	0	30 *
Federal Aviation Agency	0	0	46	46 *
Defense Nuclear Agency Command	34	2	315	351
DNA Tenant to Remain	6	6	12	24 *
Inhal. Toxicology Research Inst (DOE)	0	0	194	194 *
Naval Air Warfare Center Weapons Div	1	2	13	16 *
Navy Liaison Office	1	2	0	3 *
Sandia National Lab	0	0	7,506	7,506 *
US Coast Guard Reserve	4	16	0	20 *
US Customs ABQ	0	0	89	89 *
US Customs PE	0	0	10	10 *
US Navy Balloon Team	2	2	0	4 *
US Navy Personnel Support Det	1	9	4	14 *
Aeromedical Rsrch Lab (Blast Fac)	0	1	14	15 *
White Sands Missile Range Det	0	0	2	2 *
<b>Total Tenants</b>	<b>74</b>	<b>88</b>	<b>9,857</b>	<b>10,019</b>
<b>Total Tenants Moving</b>	<b>34</b>	<b>20</b>	<b>471</b>	<b>525</b>
<b>Total to Eliminate</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total To Remain</b>	<b>40</b>	<b>68</b>	<b>9,386</b>	<b>9,494</b>

Source: PE Data Sheet 5/4/95

DNA data provided by DNA HQ (Col Summer) on 27 Jan 95, 30, 31 January

FOR OFFICIAL USE ONLY

Kirland Realignment Movement Table (Phillips Lab Cantonment)  
5/4/95 17:17

Manpower	Officers	Enlisted	Civilians	Total	Source
Current Force Structure (4Q94 Data)	1416	2962	11759	16137	COBRA Screen 4 Data
Adjusted Base Line Population (4Q97 Projection)	1436	3038	2769	7243	PE Data -- 5/4/95
Add Non-AF Tenants	74	88	9,857	10019	From "Population Worksheet"
New Adjusted Base Line Population	1510	3126	12626	17262	Mathematical Sum
Civilianization Process	-139	-168	307	0	Derive from PE Data -- 5/4/95
New Base Line Population (Total to Move, Canton, or Eliminate)	1371	2958	12933	17262	Mathematical Sum
<b>Move</b>					
Move AEIC (SOF) Forces to Holloman	194	1,159	196	1549	PE Data -- 5/4/95
Move Portion of DNA to Kelly	48	32	164	244	50/50 Split
Move portion of DNA to Nellis	48	33	163	244	50/50 Split
Move AFOTEC to Eglin	344	102	219	665	PE Data -- 5/4/95
AFJA/AFSC to Kelly	141	48	111	300	PE Data -- 5/4/95
Move AFOSP to Lackland	16	31	20	67	PE Data -- 5/4/95
Move NCO Academy to McChord	0	14	1	15	PE Data -- 5/4/95
Move Everybody Else (other mission/BOS/Non-AF) to Base X	227	638	318	1183	Derive from PE Data -- 5/4/95
Total Moves (Population Moving from Kirland)	1018	2057	1192	4267	Mathematical Sum
<b>Canton</b>					
Phillips Lab remains	190	47	1,049	1286	PE Data -- 5/4/95
SMC Test Group	61	1	188	250	PE Data -- 5/4/95
898th Munitions Sq remains	1	9	311	321	PE Data -- 5/4/95
DNA Tenant to Remain	6	6	12	24	PE Data -- 5/4/95
EOD Support 898th	0	8	1	9	PE Data -- 5/4/95
AFRES Units	0	2	4	6	PE Data -- 5/4/95
ANG Units	19	61	276	356	PE Data -- 5/4/95
Retain BOS to support AFRES/ANG	0	0	37	37	PE Data -- 5/4/95
Cantonment Infrastructure	0	0	600	600	PE Data -- 5/4/95
Non-AF Tenants Remaining	34	62	9,374	9470	PE Data -- 5/4/95
Total Canton (Population Remaining at Kirland)	311	196	11852	12359	Mathematical Sum
Positions Eliminated	42	705	-111	636	PE Data -- 5/4/95
Total Moves/Eliminations/Canton	1371	2958	12933	17262	Mathematical Sum
Force Structure Change (Delta from 4Q94 to 4Q97 Population)	94	164	867	1125	COBRA Assumption
Civilianization	-139	-168	307	0	Derive from PE Data -- 5/4/95
Total Force Structure Change	-45	-4	1174	1125	Mathematical Sum

# KIRTLAND AFB MILCON

	Then Yr \$M
• FOR KIRTLAND AFB	
- FY 97	
• UTILITY ISOLATION	\$4.0
• ISOLATE/METER SANITARY SEWER SYS	\$2.7
• MOVE SPACE POWER LAB	\$2.0
• ISOLATE/METER UTILITY SYSTEMS (ANG)	\$0.4
• PLANNING AND DESIGN (9%)	<u>\$3.9</u>
- <b>SUBTOTAL</b>	<b>\$9.9</b>

# KIRTLAND AFB MILCON (CON'T)

FOR KIRTLAND AFB	Then Yr \$M
– FY 98	
• ADAL PERIMETER SECURITY (PL)	\$1.5
• PERIMETER SECURITY FENCE (ANG)	\$0.3
• ADAL PERIMETER SECURITY FENCE (KUMSC)	\$0.9
• ADD TO SECURITY OPS FACILITY	\$0.7
• ARMORY/REMOTE ARMING FACILITY	\$0.3
• RESERVE FIRE TEAM TRAINING	\$0.5
• PLANNING & DESIGN (9%)	<u>\$0.5</u>
– <b>SUBTOTAL</b>	<b>\$4.6</b>

# KIRTLAND AFB MILCON (CON'T)

FOR KIRTLAND AFB	Then Yr \$M
– FY 99	
• JET FUEL STORAGE COMPLEX (ANG)	\$2.0
• RENOVATE TRAINING FACILITIES	\$0.5
• PLANNING & DESIGN	<u>\$0.2</u>
– <b>SUBTOTAL</b>	<b>\$2.7</b>
– FY00	
• CONSOLIDATED SUPPORT FACILITY	\$2.5
• ALTER SECURE FACILITY	\$0.5
• FACILITY CLOSURE/PRESERVATION	\$12.2
• PLANNING & DESIGN (9%)	<u>\$1.4</u>
– <b>SUBTOTAL</b>	<b>\$16.6</b>

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# KIRTLAND AFB O&M

	Then Yr \$M
• FOR KIRTLAND AFB	
– FY 98 - ANG	
• REFURB TWO BUILDINGS	\$0.28
• CE MAINT STORAGE FACILITY	\$0.25
• ISOLATE/METER UTILITIES	<u>\$0.15</u>
– <b>SUBTOTAL</b>	<b>\$0.68</b>
– FY 00 - PHILLIPS LAB	
• RENOVATE VEH MAINT FAC	\$0.04
• INSTALL ELECTRIC METERS	\$0.25
• INSTALL GAS METERS	<u>\$0.03</u>
– <b>SUBTOTAL</b>	<b>\$0.32</b>

# KIRTLAND AFB

Estimates in FY 95 year dollars

• MILCON	\$374.2
• Personnel	\$6.6
• – (Early Retirement, New Hires, RIF, Unemployment)	
• Prog Planning/Mothball	\$15.1
• HAP/RSE, CIV Moving, Civilian PPS	\$36.9
• Freight, One-Time Moving Cost	\$43.0
• Total One Time Unique,	\$43.8
• – Comm, Equip, Purchased Services, Annual Lv)	
• Military Elim/Moving	<u>\$4.3</u>
• <b>TOTAL</b>	<b>\$523.9</b>



*Phil Z*AF CONTROLLED LANDS:

AIR FORCE FEE OWNED	24,148.15
PUBLIC DOMAIN (WITHDRAWN)	18,439.84
DONATED FROM CITY OF ALBUQUERQUE	1,344.00
PERPETUAL EASEMENT (Restrictive Easement on UNM Land for Ordnance Storage)	81.57
GENERAL USE PERMITS (Ingrants)	12.00
<b>TOTAL</b>	<b><u>44,025.56</u></b>

<u>DOE FEE OWNED:</u>	2,938
DOE WITHDRAWAL	4,595
<b>TOTAL</b>	<b><u>7,533</u></b>

AF FEE-OWNED LAND UNDER PERMIT TO DOE 4,333.04 ACRES

AF WITHDRAWN LAND UNDER PERMIT TO DOE 3,471.11 ACRES

TOTAL LAND UNDER PERMIT TO DOE 7,834.15 ACRES

TOTAL AF BUILDING SPACE UNDER PERMIT TO DOE 469,326 SQUARE FEET

United States Government

Department of Energy

**memorandum**

Albuquerque Operations Office

APR 7 1995

DATE:  
REPLY TO  
ATTN OF:

PASD

SUBJECT:

Cost Impacts of Proposed Kirtland AFB Realignment

TO: Dr. Victor Reis, Assistant Secretary for Defense  
Programs, DP-1, HQ

At the April 3, 1995, hearings conducted by the Senate Appropriations Subcommittee on Energy and Water, Senator Bingaman asked for the estimate of costs, expressed in net present value, to be incurred by the Department of Energy (DOE) as a result of the proposed Kirtland realignment. We have evaluated and attached three cost scenarios which we believe are credible. Of these, Scenario 1 is the most reasonable, and indicates that the cost impact to DOE over the next 20 years will be \$443 million. In calculating the cost estimates, we used the same 2.75 percent net present value discount rate as used by the U.S. Air Force (USAF). Please note that the variance of the other scenarios does not exceed \$1 million. Therefore, there are no significant differences in the three scenarios. I would appreciate your formally providing this information to the Subcommittee.

On April 11, 1995, Albuquerque Operations Office staff will be meeting with Air Force Base Realignment and Closure personnel to discuss and compare DOE cost estimates vis-a-vis USAF projected savings.

Bruce G. Twining  
Manager

3 Attachments

cc:  
See page 2

Dr. Victor Reis

-2-

APR 7 1995

cc:  
Charles B. Curtis, Under Secretary  
of Energy, US, HQ

Major General Jay D. Blume, Jr.  
HQ USAF/RT  
1670 Air Force Pentagon  
Washington, DC 20330-1670

Scenario 1  
 Net Present Value  
 DOE Costs  
 (Millions of Dollars)

Fiscal Year	DOE/AL Annual Costs	DOE/AL Adjusted Ann. Costs	DOE/AL NPV Acc. Costs	Air Force NPV Costs Factors
1996	1.1	1.1	1.1	1.013657
1997	16.4	15.8	16.9	1.041532
1998	31.9	29.8	46.7	1.070174
1999	41.2	37.5	84.2	1.099604
2000	33.3	29.5	113.7	1.129843
2001	30.6	26.4	140.0	1.160914
2002	30.6	25.7	165.7	1.192839
2003	30.6	25.0	190.7	1.225642
2004	30.6	24.3	215.0	1.259347
2005	30.6	23.6	238.6	1.293979
2006	30.6	23.0	261.6	1.329564
2007	30.6	22.4	284.0	1.366127
2008	30.6	21.8	305.8	1.403695
2009	30.6	21.2	327.0	1.442297
2010	30.6	20.6	347.7	1.481960
2011	30.6	20.1	367.8	1.522714
2012	30.6	19.6	387.3	1.564589
2013	30.6	19.0	406.4	1.607615
2014	30.6	18.5	424.9	1.651824
2015	30.6	18.0	442.9	1.697250

Assumptions:

- 1) DOE annual operating costs are projected to be \$30.6 million in FY 1995 dollars.
- 2) DOE one-time costs are projected to be \$64.1 million in FY 1995 dollars.
- 3) DOE takes over operations at the same pace as the Air Force loses personnel. One-time costs phased in over four years beginning in FY 1997.
- 4) Uses the same discount rates used by the Air Force.

Scenario 1A  
 Net Present Value  
 DOE Costs  
 (Millions of Dollars)

Fiscal Year	DOE/AL Annual Costs	DOE/AL Adjusted Ann. Costs	DOE/AL NPV Acc. Costs	Air Force NPV Costs Factors
1996	1.1	1.1	1.1	1.013657
1997	9.9	9.5	10.7	1.041532
1998	22.3	20.8	31.5	1.070174
1999	44.5	40.4	71.9	1.099604
2000	39.8	35.2	107.1	1.129843
2001	37.0	31.9	139.0	1.160914
2002	30.6	25.7	164.7	1.192839
2003	30.6	25.0	189.6	1.225642
2004	30.6	24.3	213.9	1.259347
2005	30.6	23.6	237.6	1.293979
2006	30.6	23.0	260.6	1.329564
2007	30.6	22.4	283.0	1.366127
2008	30.6	21.8	304.8	1.403695
2009	30.6	21.2	326.0	1.442297
2010	30.6	20.6	346.6	1.481960
2011	30.6	20.1	366.7	1.522714
2012	30.6	19.6	386.3	1.564589
2013	30.6	19.0	405.3	1.607615
2014	30.6	18.5	423.9	1.651824
2015	30.6	18.0	441.9	1.697250

Assumptions:

- 1) DOE annual operating costs are projected to be \$30.6 million in FY 1995 dollars.
- 2) DOE one-time costs are projected to be \$64.1 million in FY 1995 dollars.
- 3) DOE takes over operations at the same pace as the Air Force loses personnel. One-time costs phased in over five years beginning in FY 1997.
- 4) Uses the same discount rates used by the Air Force.

Scenario 1B  
 Net Present Value  
 DOE Costs  
 (Millions of Dollars)

Fiscal Year	DOE/AL Annual Costs	DOE/AL Adjusted Ann. Costs	DOE/AL NPV Acc. Costs	Air Force NPV Costs Factors
1996	1.1	1.1	1.1	1.013657
1997	19.6	18.8	20.0	1.041532
1998	41.5	38.8	58.7	1.070174
1999	34.8	31.7	90.4	1.099604
2000	26.9	23.9	114.2	1.129843
2001	30.6	26.4	140.6	1.160914
2002	30.6	25.7	166.2	1.192839
2003	30.6	25.0	191.2	1.225642
2004	30.6	24.3	215.5	1.259347
2005	30.6	23.6	239.2	1.293979
2006	30.6	23.0	262.2	1.329564
2007	30.6	22.4	284.6	1.366127
2008	30.6	21.8	306.4	1.403695
2009	30.6	21.2	327.6	1.442297
2010	30.6	20.6	348.2	1.481960
2011	30.6	20.1	368.3	1.522714
2012	30.6	19.6	387.9	1.564589
2013	30.6	19.0	406.9	1.607615
2014	30.6	18.5	425.4	1.651824
2015	30.6	18.0	443.5	1.697250

Assumptions:

- 1) DOE annual operating costs are projected to be \$30.6 million in FY 1995 dollars.
- 2) DOE one-time costs are projected to be \$64.1 million in FY 1995 dollars.
- 3) DOE takes over operations at the same pace as the Air Force loses personnel. One-time costs phased in over three years beginning in FY 1997.
- 4) Uses the same discount rates used by the Air Force.

# Cost Impacts to DOE from the Proposed KAFB Realignment

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## Detailed Assumptions and Costing Formulas

by

the DOE/SNL Study Team

*March 27, 1995*



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## Cost Development Outline

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- Assumptions
- Site Cantonment Considerations
- Cost Planning Scenario
- Activity Areas Considered
- Cost Summaries
- One Time Conversion Costs
- Annual Operating Costs





## **Global Assumptions:**

- 1. Realignment occurs, requires 3-5 years to accomplish**
- 2. DOE/SNL becomes landlord for their cantonment(s) only**
- 3. DOE/SNL will minimize land and facilities holdings and the size of their cantonment(s) to the extent practicable, consistent with missions and populations**

# Detailed Assumptions

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- Cost estimates are based on existing operations, not new facilities
- Estimates reflect increased costs to DOE due to:
  - Loss of services currently provided by USAF
  - Deferral or change in scope of planned USAF projects that directly affect DOE operations
  - Creation of DOE cantonment
- Costs are in FY95 dollars
- Most USAF property (and legal responsibility) will not be transferred to DOE; DOE will only manage these assets as a tenant
- The perimeter must be fenced and placarded as DOE managed property

## Detailed Assumptions con't.

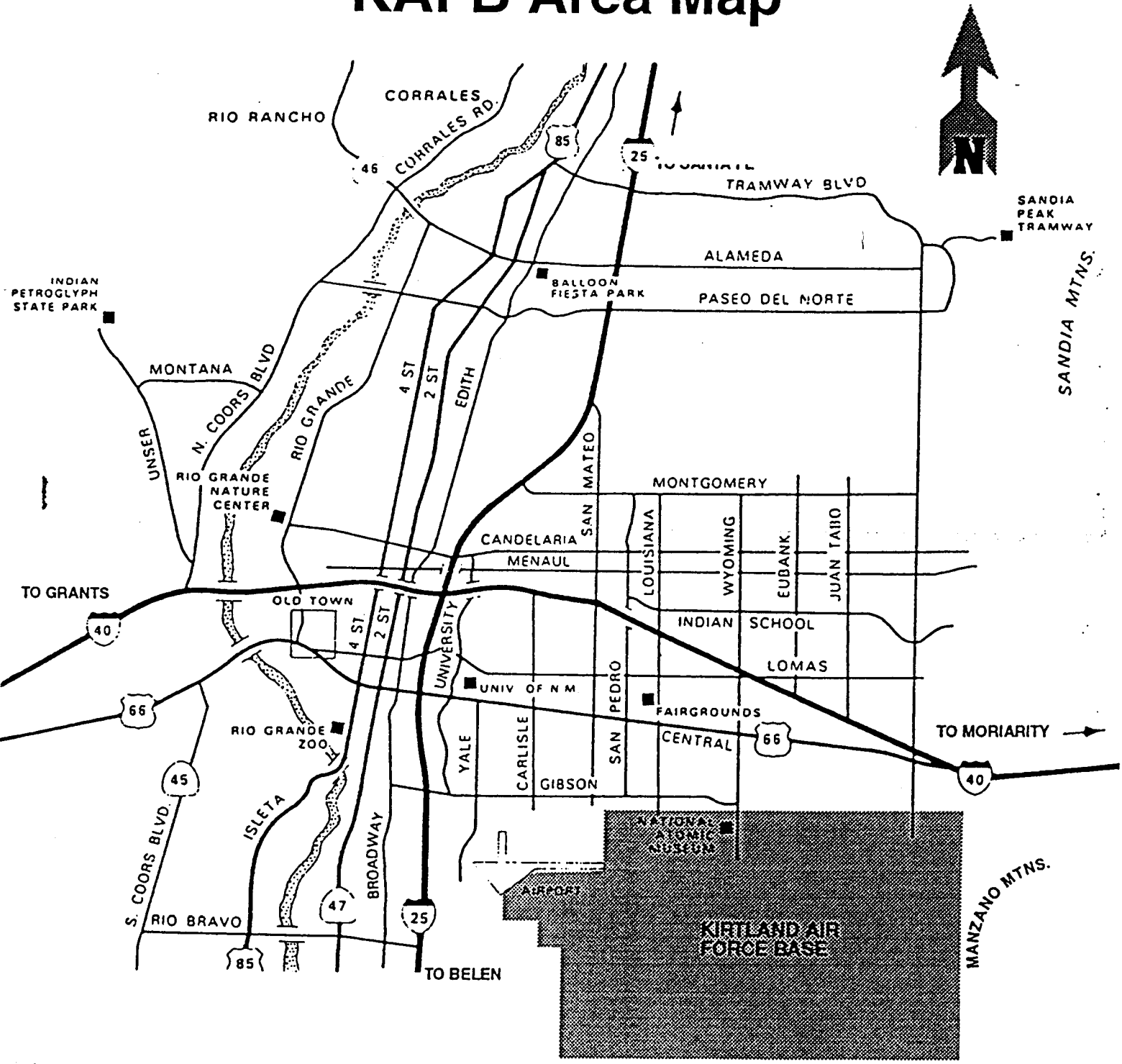
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- Utility service to other agencies within the DOE cantonment will be provided to their facility boundary and metered at that point
- The only USAF facilities under immediate consideration for reuse are the Air Force Safety and Inspection Center and the Brig and Confinement Facilities
- Estimates do not include costs of mothballing (pickling) or Decommissioning, Decontamination, and Demolition of USAF facilities encompassed by the new DOE cantonment area
- Estimates assume USAF is going to complete MILCON projects that have been recommended for completion by KAFB

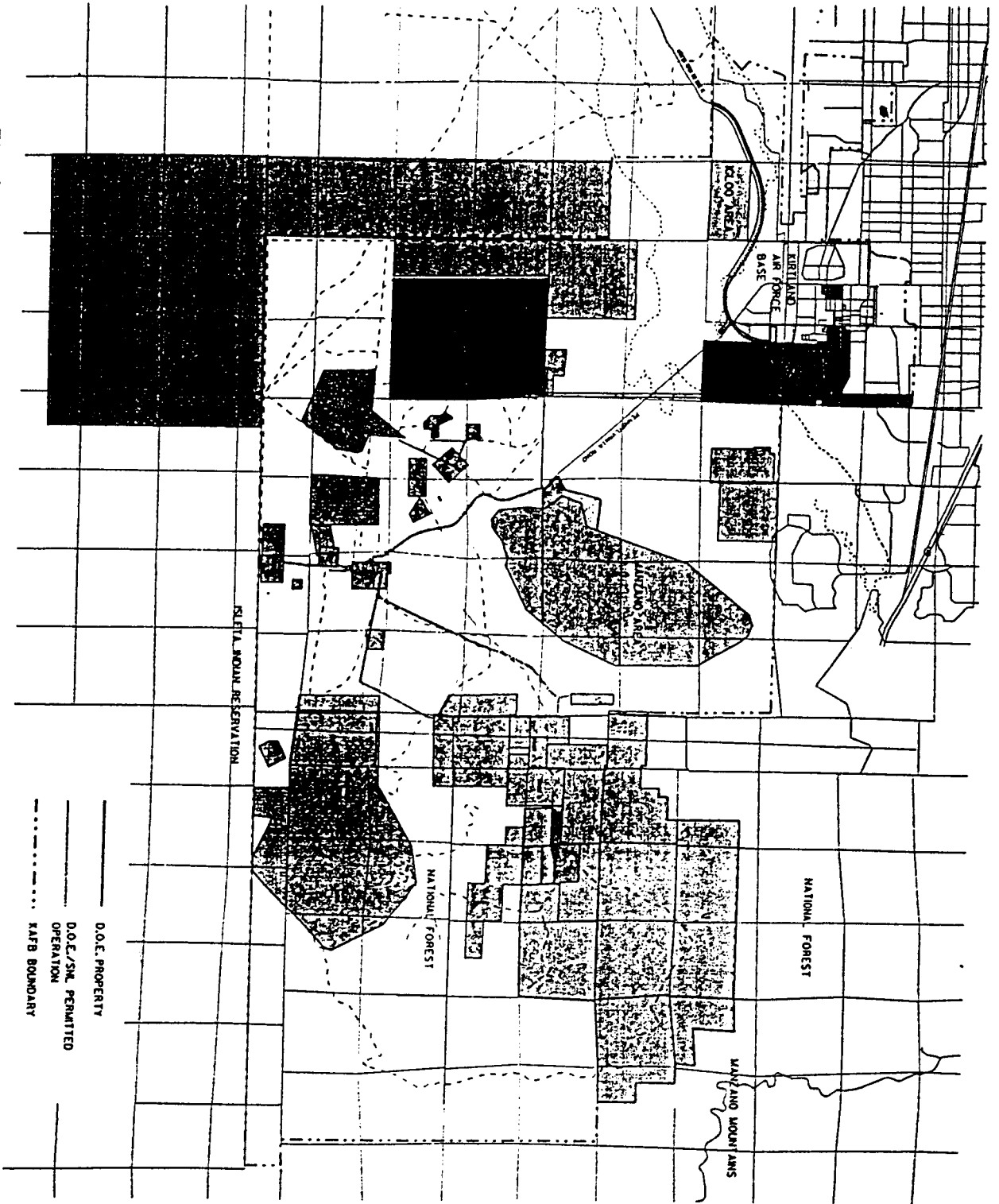
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# KAFB Area Map

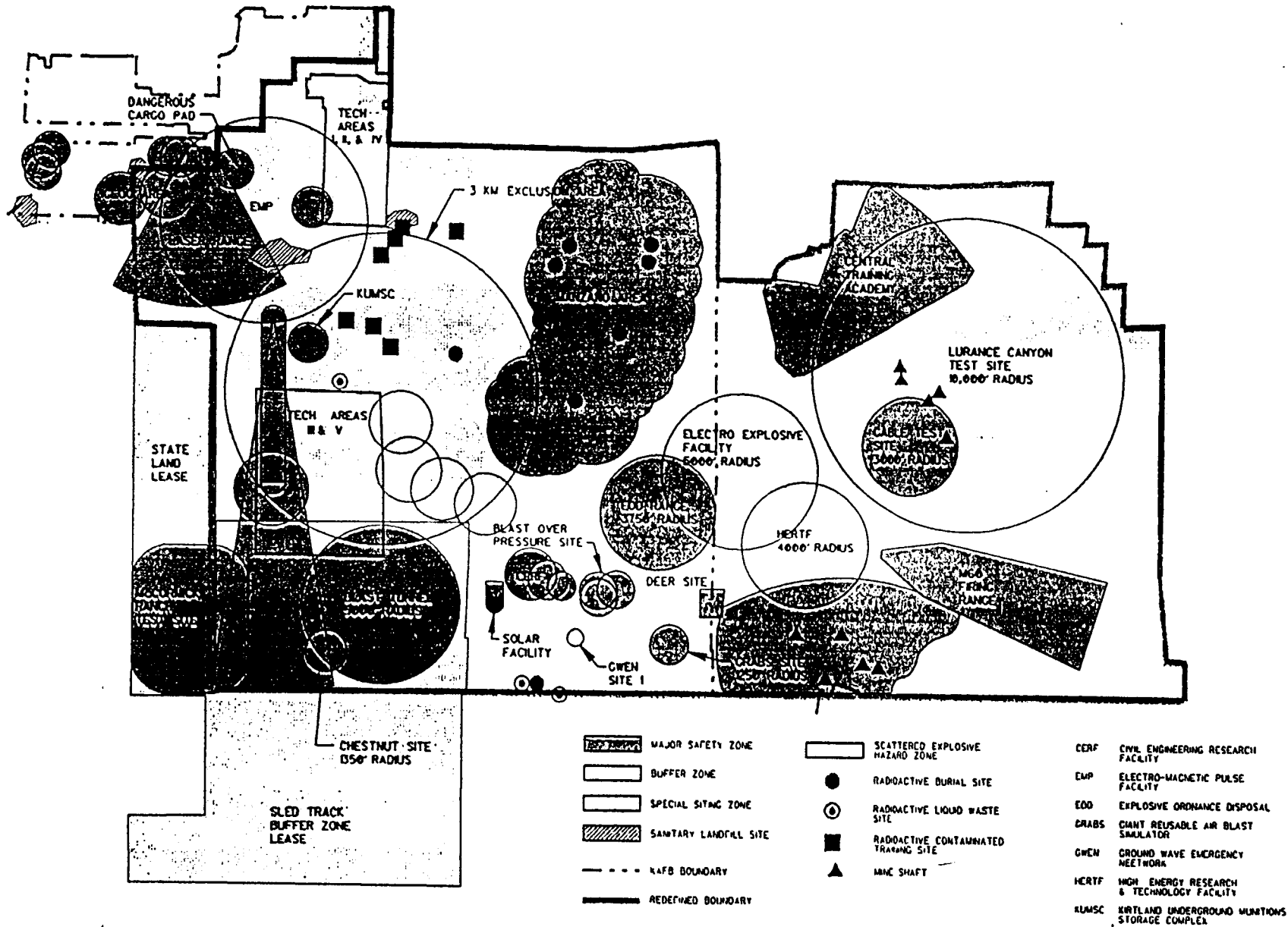


Albuquerque, New Mexico



\_\_\_\_\_ D.O.E. PROPERTY  
 \_\_\_\_\_ D.O.E./SM. PERMITTED OPERATION  
 - - - - - KAFB BOUNDARY

# DOESNL Owned and Permitted Lands

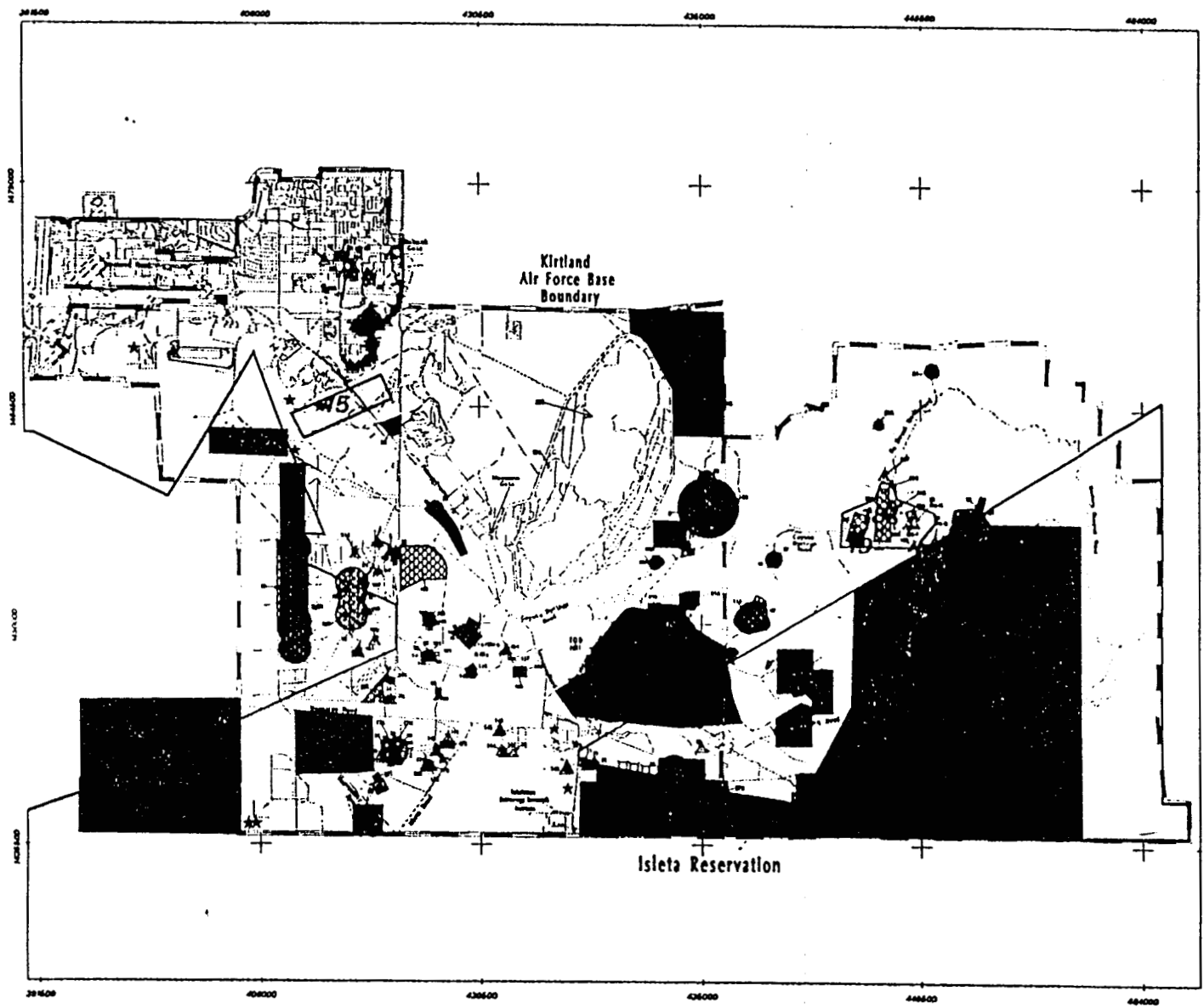


# SNL/KAFB Hazard Zones













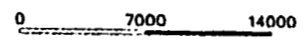
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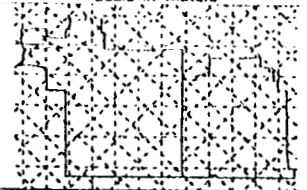
### Legend

-  KAFB Boundary
  -  Roadways (all types)
  -  ER Sites Greater Than 1 Acre
  -  ER Sites Less Than 1 Acre
  -  Has been visually surveyed, low amount of UXO.
  -  Has not been surveyed, within a gun fan of a known fire/launch site, or is within a known ordnance use area with moderate uxo hazard.
  -  Has been visually surveyed significant amount of UXO.
  -  Unassessed, hazard unknown
  -  High Explosives Removal Completed
  -  Low Level Radiation Pit
- Numbers In Italics refer to Site Survey Report available by contacting the ER Program



Scale In Feet  
0 1680 3360

Scale In Meters



Sandia National Laboratories, New Mexico  
Environmental Operations Geographic Information System

Unexploded Ordnance Areas  
KAFB - Sandia National Labs



Approved: Director, Defense, San Antonio State Plant, Ordnance System, General Area, 1000 South American National Road, 78250, San Antonio, Texas, USA



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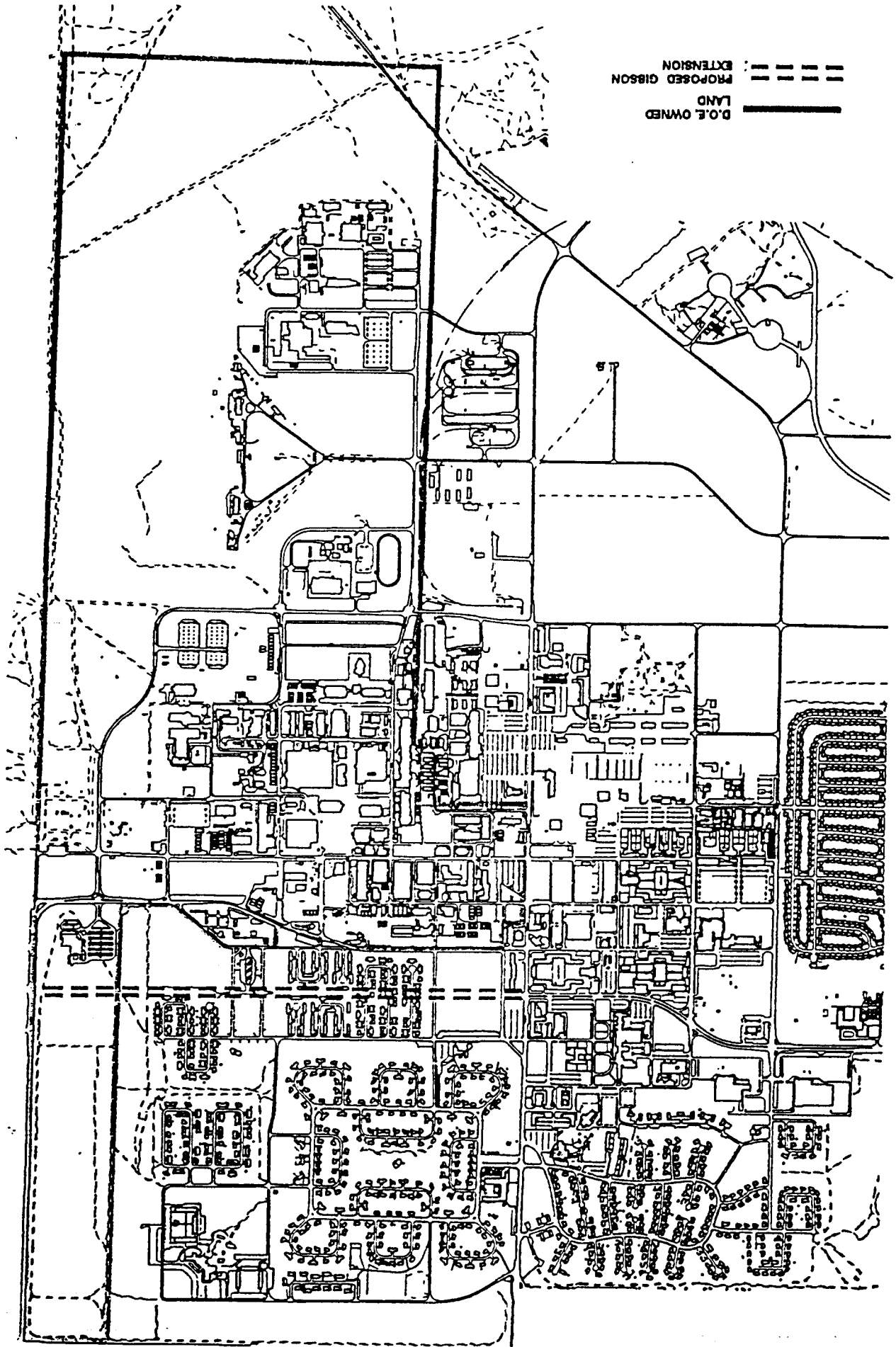
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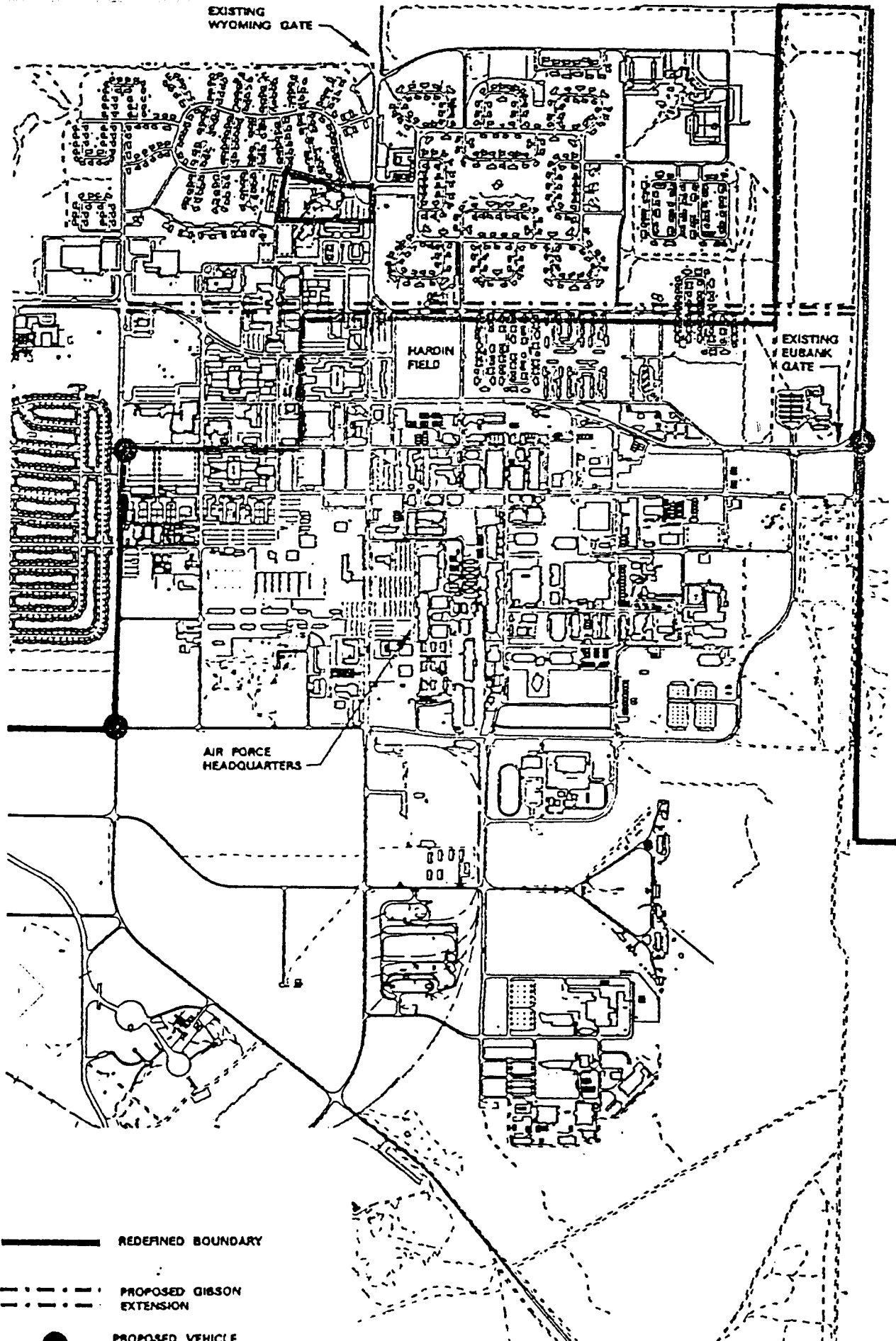
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# Current DOE Ownership





# Proposed DOE Cantonment

# Planning Scenario

- Redefined Map
- Pickling Assumption
- Cost Comparisons (< 2 years)

# Activity Areas Considered

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- **Public Safety**
  - Security
  - Fire
  - Emergency Operations
  
- **Physical Plant**
  - Roads and Bridges
  - Traffic Lights and Controls
  - Gates, Intersections, Fencing and associated Demolition
  - Landscaping
  
- **Utilities**
  - Electrical Systems
  - Water Systems
  - Sanitary Sewer and Storm Drainage
  - Gas Lines
  - Steam System
  - Communications

## Conversion Costs

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- Review of USAF Construction Plans
- DOE reductions
- DOE Cantonnement Costs
- Conversion Cost Summary

# KAFB MILCON Utility/Physical Plant Projects and Recommendations

159

FY	Project	Cost (\$M)	Recommendation (comments)
94	Upgrade Electrical Dist. Phase I	6.8	Complete
	Upgrade Utility Systems	8.0	Adjust (Completed demo of steam plant, will complete gas line, \$5M in steam distribution deferred)
95	Upgrade Electrical Dist. Phase II	3.0	Defer (Aesthetic upgrade)
	Add to or Alter Base Water System	8.8	Complete
	Underground Storage Tank Removal	3.2	Complete
96	Upgrade Electrical Dist. Phase III	7.7	Defer (Aesthetic upgrade with replacement of Sub 22)
	Rebuild Manzano Bridge	3.9	Defer (Design complete, 0.5M of cost is for UXO removal)
97	Upgrade Electrical Dist. Phase IV	9.0	Defer (Enhancement and upgrade from Museum south)
98	Upgrade Steam & Gas Phase II	7.7	Defer (Steam and Gas west of Wyoming)
Total Estimated Construction Costs		58.1	
Total Recommended for Completion		24.8	
Total Deferred		33.3	

# DOE Reductions to USAF Plans

162

FY	Project	DOE Requirement	Cost (\$M)
94	Upgrade Utility Systems	Decommission steam distribution system, install package boilers where req'd: (Museum, AL, Brig, Coronado)	0.8
96	Upgrade Electrical Dist. Phase III	Modifications of Sub 22 only	0.6
96	Rebuild Manzano Bridge	Complete as described including UXO removals	6.3

**NOTE:** USAF MILCON list included construction costs only. Design, construction management, inspection, and acceptance, project management and contingency are not included. SNL average costs for these services add 37%.

# Cost Summary

Dollars in Millions

161

	Conversion	Operating
Public Safety	15.1	14.9
Physical Plant	18.4	3.8
Utilities	28.6	10.1
DOE	2.0	0.4
Equipment O&M and Replacement		1.4
<b>TOTAL COSTS</b>	<b>\$64.1M</b>	<b>\$30.6M</b>



**One Time Conversion Cost - \$ in thousands**

Key		Construction /Renovation	Capital Equipment	Training & Non-Capital	Allocated Costs	Subtotal
	<b>Public Safety</b>					
1	Fire Protection	4,500	1,920	442	1,475	8,337
2	Security	0	267	4,321	987	5,575
3	Emergency Operations	275	368	142	169	954
4	Test Operations	0	150	60	45	255
	<b>Public Safety Total</b>	<b>4,775</b>	<b>2,705</b>	<b>4,965</b>	<b>2,676</b>	<b>15,121</b>
	<b>Physical Plant</b>					
5	Roads	2,888	0	0	621	3,508
6	Bridges	5,213	0	0	1,121	6,333
7	Fencing	3,133	0	0	674	3,807
7	Entry Portals	800	0	0	172	972
8	Roads & Ground Maintenance	0	1,648	300	419	2,367
9	Geographic Data Conversion	<del>100</del>	130	50	191	1,081
10	Legal Survey	<del>100</del>	0	100	22	122
11	Administrative & Mgt Support	0	80	64	31	175
	<b>Physical Plant Total</b>	<b>12,843</b>	<b>1,858</b>	<b>414</b>	<b>3,250</b>	<b>18,365</b>
		-810		+100		

291

One Time Conversion Cost - \$ in thousands		Construction /Renovation	Capital Equipment	Training & Non-Capital	Allocated Costs	Subtotal
<b>Utilities</b>						
11	Electrical	3,765	1,920	558	1,342	7,585
12	Water	2,273	0	0	489	2,761
13	Sanitary Sewer	1,513	0	0	325	1,838
14	Storm Drainage	2,269	0	0	488	2,757
15	Gas	580	0	0	125	705
16	Steam	235	0	0	51	286
17	Water Plant	0	150	20	37	207
18	Alarm Communications	700	0	0	151	851
19	Telecommunications Eng.	7,900	0	100	1,720	9,720
11	Engineering & Admin. Support	0	30	46	16	92
22	HVAC System	420	150	10	125	705
23	Utility Maintenance & Support	200	168	258	135	761
24	Fire Protection Maintenance	200	120	14	72	406
<b>Utilities Total</b>		<b>20,054</b>	<b>2,538</b>	<b>1,006</b>	<b>5,074</b>	<b>28,671</b>
<b>DOE</b>						
27	Energy Tech. Train. Complex	1,400	0	0	0	1,400
27	Allied Signal	10	10	0	0	20
28	DOE Complex Boiler	460	0	0	0	460
29	Other DOE Facility Boilers	71	0	0	0	71
<b>DOE Total</b>		<b>1,941</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>1,951</b>
<b>Total</b>		<b>39,613</b>	<b>7,111</b>	<b>6,385</b>	<b>10,999</b>	<b>64,108</b>

163

# Conversion Cost Summary

164

	Dollars in Millions
Public Safety	15.1
Physical Plant	18.4
Utilities	28.6
DOE	2.0
Equipment O&M and Replacement	
<b>TOTAL COSTS</b>	<b>\$64.1M</b>

## Annual Operating Costs

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165

- Personnel and Associated Personnel Costs
- Supplies and Materials
- Equipment Operations and Maintenance
- Equipment Replacement
- Other Allocable Costs

**Operating Expenses Per Year - \$ In thousands**

Key	FTE #	Base + Fringe	DS & DC	Training & Non-Capital	Allocated Costs	Subtotal
1	108	4,718	500	90	2,597	7,905
2	73	2,910	60	190	1,174	4,335
3	14	820	130	25	505	1,480
4	7	444	350	100	341	1,236
	202	8,892	1,040	405	4,618	14,956
<b>Public Safety Total</b>						
<b>Physical Plant</b>						
8	31	1,265	58	0	1,104	2,427
9	3	181	280	0	254	715
11	6	333	0	0	287	620
	40	1,780	338	0	1,645	3,762
<b>Physical Plant Total</b>						

Operating Expenses Per Year - \$		FTE #	Base + Fringe	DS & DC	Training & Non-Capital	Allocated Costs	Subtotal
In thousands							
<b>UTILITIES</b>							
14	Electrical	4	192	1,860	50	576	2,678
17	Water Plant	9	432	16	18	380	845
19	Telecommunications Eng	2	132	1,290	0	353	1,775
14	Engineering & Admin Support	7	386	30	20	393	829
22	HVAC System	6	288	11	6	252	557
23	Utility Maintenance & Support	8	384	25	140	366	914
24	Fire Protection Maintenance	4	192	20	0	170	382
25	Infrastructure Maintenance	0	0	1,725	0	371	2,096
	<b>UTILITIES TOTAL</b>	<b>40</b>	<b>2,005</b>	<b>4,977</b>	<b>234</b>	<b>2,860</b>	<b>10,076</b>
<b>DOE</b>							
27	Ross Hanger	0	0	200	0	0	200
27	Allied Signal	6	210	0	0	0	210
	<b>DOE TOTAL</b>	<b>6</b>	<b>210</b>	<b>200</b>	<b>0</b>	<b>0</b>	<b>410</b>
	<b>Subtotal</b>	<b>288</b>	<b>12,887</b>	<b>6,555</b>	<b>639</b>	<b>9,124</b>	<b>29,204</b>
	<b>Annual Capital/Equip.</b>						
	<b>Operations Maintenance - 10%</b>	0	0	0	0	711	711
	<b>Annual Capital/Equip. Replacement - 10%</b>	0	0	0	0	711	711
	<b>Total</b>	<b>288</b>	<b>12,887</b>	<b>6,555</b>	<b>639</b>	<b>10,546</b>	<b>30,626</b>

# Annual Operating Cost Summary

89/  
168

	Dollars in Millions	FTE's
Public Safety	14.9	202
Physical Plant	3.8	40
Utilities	10.1	40
DOE	0.4	6
Equipment O&M and Replacement	1.4	
<b>TOTAL COSTS</b>	<b>\$30.6M</b>	<b>288</b>

## KAFB BRAC COST ELEMENT DATA SHEET

Estimators Name:                      Organization:                      Telephone Number:

SUMMARY CATEGORY:

SUMMARY ELEMENT:

ITEM:

BACKGROUND DESCRIPTION:

ASSUMPTIONS:

COST ANALYSIS:

ONE TIME COSTS:

Total Project Cost:  
  Design/Title I&II:  
  Construction:  
  Contingency:  
  Project Mngt/Inspection:

Capital Equipment:  
  Items:  
  One Time Remodeling Cost:

Training and Supplies:  
  Training Costs:  
  Other Personnel Costs:  
  Equipment Purchases:



**ANNUAL OPERATING & MAINTENANCE COSTS:**

<b>Number of Full Time Equivalents:</b>	<b>Center:</b>
<b>Team Leaders:</b>	<b>Average Direct Wage:</b>
<b>Journeyman/Operators:</b>	<b>Average Direct Wage:</b>
<b>Laborers:</b>	<b>Average Direct Wage:</b>

**Annual Cost of Consumable:**

**Other:**

**BENCHMARKING:**

Thank you in advance for your assistance in preparing the SNL cost estimate to isolate itself from KAFB. If you have questions please contact Harry Gullett or Rick Gonzales in Org. 7256, or at the following telephone numbers: Harry - 844-9813, Rick - 844-9815, or FAX 844-0470. Please get the disk or a hard copy of your estimates to us by close of business Tuesday 21 March 1995. The summary must be delivered to senior management at 8 AM Thursday. These numbers will become the corporate cost to perform if KAFB is closed. Please be as realistic as possible when estimating the numbers of personnel and vehicles required, however ensure you have sufficient assets to actually accomplish the task or function.

One Time Capital Cost Worksheets

	0	1	2	3	4	5
<b>A</b>		Construction /Renovation	Capital Equipment	Training & Non-Capital	Allocated Costs	Subtotal
<b>B</b>		actual	actual	actual	sum of columns 1 to 3 x 0.215 corporate load	sum of columns 1 to 4
<b>C</b>		sum column 1	sum column 2	sum column 3	sum column 4	sum column 5
<b>D</b>	Annual Capital Equip. Operations	-	-	-	-	-
	Maintenance - 10%	-	-	-	-	-
<b>E</b>	Annual Capital Equip. Replacement - 10%	-	-	-	-	-
<b>F</b>	Total	sum rows c to e	sum rows c to e	sum rows c to e	sum rows c to e	sum rows c to e

Operating Expense Per Year Worksheets

	6	7	8	9	10	11	12
<b>A</b>		FTE #	Base + Fringe	DS & DC	Training & Non-Capital	Allocated Costs	Subtotal
<b>B</b>		actual	center ave. base x 1.31 fringe	actual	actual	((column 2 x ave. center load) x 1.215 corporate load) + (sum of columns 9 to 10 x 0.215 corporate	sum of columns 8 to 11
<b>C</b>	Subtotal	sum column 7	sum column 8	sum column 9	sum column 10	sum column 11	sum column 12
<b>D</b>	Annual Capital Equip. Operations Maintenance - 10%	-	-	-	-	sum column 2 x 0.10	sum column 2 x 0.10
<b>E</b>	Annual Capital Equip. Replacement - 10%	-	-	-	-	sum column 2 x 0.10	sum column 2 x 0.10
<b>F</b>	Total	sum rows c to e	sum rows c to e	sum rows c to e	sum rows c to e	sum rows c to e	sum rows c to e

28 March 95  
Version

## Notes to Accompany the KAFB BRAC Cost Estimates.

The following presents the assumptions, global and detailed, used to estimate the cost of creating a "stand alone" DOE/SNL cantonment. First, this perimeter, see attached map, was created to provide the necessary safety buffers around the TA-1 industrial area and the field test facilities located throughout the cantonment. No effort, due to extreme time constraints, was made to establish a cooperative operating plan with the other remaining tenants. Thus the "economies of scale", available currently to the USAF, were not assumed by the estimators. Such an operating plan, if necessary, will be negotiated by DOE/SNL to achieve the best economy for DOE/SNL at a future time. Similarly environmental baselining and cleanup costs are assigned to the USAF by the 1994 Defense Appropriation Act and are therefore not included as DOE/SNL costs.

The second portion explains how the summaries of the One-Time Conversion Cost and Annual Operating Expenses per Year were derived. These costs are the engineer scoping estimate to create and operate a "stand alone" DOE/SNL cantonment encompassing the area east of Pennsylvania Avenue to the eastern edge of the withdrawal lands, North to Southern Blvd. and south to Isleta Pueblo lands. The sub-total includes all corporate overhead, gross receipts taxes, individual SNL center overhead loads, and the increased maintenance/capital equipment budget necessary to maintain DOE's expanded area of responsibility. The costs are only those which cannot be recovered by DOE/SNL from reimbursable (non-SNL) tenants remaining within the DOE/SNL cantonment.

### GLOBAL ASSUMPTIONS:

1. The Realignment will occur over a 3-5 year period.
2. DOE/SNL becomes the landlord for their cantonment(s) only.
3. DOE/SNL will minimize land and facilities holdings and the size of their cantonment(s) to the extent practicable, consistent with missions and populations.

### DETAILED ASSUMPTIONS:

1. Cost estimates are based on maintaining existing DOE/SNL facilities and operations, not new facilities (except as noted in assumption 9 below).
2. Estimates reflect increased costs to DOE due to:
  - Loss of services currently provided by USAF.
  - Deferral or change in scope of planned USAF projects that directly effect DOE operations.
  - Creation of a DOE/SNL cantonment.

3. **Costs are in FY95 dollars**
4. **The cantonment is limited to the area enclosed by the solid blue line on the attached map. It is generally the existing DOE property from the intersection of Southern Blvd. and Eubank, the KAFB northern perimeter east from TA-1 including the withdrawn lands, south to Isleta Pueblo west to the existing KAFB perimeter, north to the airfield, east (along Hardin Blvd.) to Pennsylvania, north to "G" street, east to one block west of Wyoming, north to the Gibson/"D" street alignment, and east to the DOE property line.**
5. **Most USAF property (and legal responsibility) will not be transferred to DOE; DOE will only manage these assets as a tenant of the USAF. Exceptions would include parking lots, currently under permit from the Air Force, that are directly associated with DOE operations.**
6. **The entire perimeter must be fenced and placarded as DOE managed property.**
7. **Utility service to other agencies within the DOE cantonment will be provided to their facility boundary and metered at that point. Services will be on a reimbursable, full cost recovery basis.**
8. **These reimbursable (recovered) costs are not included in the estimates, only SNL non-recoverable SNL costs are included.**
9. **The only USAF facilities under immediate consideration for reuse are the Air Force Safety and Inspection center, the BRIG and Confinement Facilities, the Manzano Base Fire Station, and the Fire Station at "F" street and Wyoming.**
10. **Estimates do not include costs of mothballing (pickling) or Decommissioning, Decontamination, and Demolition of USAF facilities encompassed by the new DOE cantonment.**
11. **Estimates assume USAF will complete MILCON projects on their current schedule that have been recommended for completion by KAFB.**
12. **The services are based on a population of approximately 10,000 employees (DOE, SNL, ITRI, Phillips Laboratory, KUMSC, and others) within the cantonment. All services provided to non-SNL facilities will be on a reimbursable, full cost recovery basis. Only non-recoverable SNL costs are included in the estimates.**
13. **DOE/SNL will not accept responsibility for the Installation Restoration (IR) Sites, Unexploded Ordnance (UXO) or other Kirtland Air Force Base Legacy Wastes. The administrative control and eventual cleanup of these sites will**

forever remain the sole responsibility of the Department of Defense. No additional DOE Headquarters (Code EM) costs are included in these estimates.

#### THE SUMMARY OF THE COST WORKSHEETS:

These are the summaries of the One-time Conversion Cost and the Annual Operating Expenses per Year to create and operate a DOE Cantonment encompassing the area east of Pennsylvania Avenue to the eastern edge of the withdrawal lands, from Isleta on the south to Southern Blvd. on the north.

#### One Time Capital Cost Worksheets:

**Column 1 -- Construction/renovation costs.** These are the actual engineer scoping estimates to renovate former USAF space to DOE environmental standards. The need exists to provide work spaces and lunchrooms, for 288 additional employees. The chief differences include fiber-optic wiring for communications, installing intrusion devices and security sensors, the removal of all asbestos containing insulation, and the removals of all lead based paint.

**Column 2 -- Capital Equipment.** These are the actual costs to purchase the heavy earthmoving equipment, based on the USAF current equipment list, to maintain the mountain roads, and to clear ditches and culverts after rains/snow storms. Also to acquire Fire Fighting equipment (snorkel truck, structural hook & ladder, collapsed building rescue equipment, Hazardous Spill response vehicles, and woodlands brush-fire fighting vehicles), additional maintenance trucks for High Voltage Electrical repairs, and security vehicles for the extended patrol area.

**Column 3 -- Training and Non-capital costs.** These include the estimated costs of recruiting, training, certifying, obtaining security clearances, and purchasing equipment to perform the new functions. Weapons for the security force, radios, uniforms, and office equipment are included in this category.

**Column 4 -- Allocated Costs.** This is the first derived cost. It uses an arbitrary multiplier of 21.5%. This figure is used to estimate the Gross Receipts tax (5.5%), the Management fee of 1%, and 15% for Corporate overhead. This point estimator was provided by Ms. Jennifer Crooks of organization 10400 for use as an average cost for support functions. The totals in columns 1, 2, and 3 are multiplied by 0.215 to derive the value in column 4.

**Column 5 -- Subtotal.** This is the sum of columns 1,2,3, & 4 to estimate the total one time costs of assuming these functions.

#### Operating Expenses Per Year:

**Column 1 -- FTE.** This is the number of full time equivalent employees. By the definition provided by the Sandia Accounting Department Organization 10400 these employees

work a maximum of only 40 hours per week or 80 hours per pay period. This convention artificially increases the number of employees to provide Fire, Rescue, Hazardous material Spill, Security, and Emergency Management Services in the entire estimate.

**Column 2 -- Base + Fringe.** This is a derived cost for personnel. It is the average salary for employees in the Organization (Cost Work Center) times 31%. Fringe includes the costs of vacations, sick leave, and other benefits. These estimates supersede all personnel cost figures in the engineering estimate roll-ups attached.

**Column 3 -- DS & DC.** These stand for Direct Support and Direct Costs. Included in this column are the estimated infra-Sandia Center charges for cross departmental technical support (Environmental, Engineering, Industrial Safety, etc.), contractor support (Time and Material contracts for in-office performance of tasks), and general consumable supplies (non-property materials) to accomplish this function.

**Column 4 -- Training and Non-Capital Equipment.** These are the estimated annual training and equipment (property) purchases required to maintain proficiency and certifications to perform this function under DOE/SNL Procedures.

**Column 5 -- Allocated costs.** This is a derived cost using two equations. The first is the application of the Work Center Load, an overhead rate charged internally to Sandia to achieve full cost recovery -- this load varies by Center, to the derived average wages in column 2. The next step is to apply the Corporate Overhead rate of 21.5% to this figure by multiplying this "loaded rate" by 1.215. The second equation applies the Corporate Overhead, 21.5% to the DS&DC's and the Training Costs in columns 3 and 4. The EXCEL formula is:  $[(\text{column 2} * \text{Cntr Load}) * 1.215] + \{(\text{sum column 3 + 4}) * 0.215\}$  = Allocated Costs.

**Rows D & E -- Annual Capital Equipment Maintenance and Replacement.** These costs are estimated to be 10% each. They apply only to column 2 (Capital Equipment) from the One-time Conversion Costs.

**Column 6 -- Subtotal.** This is the sum of columns 2 + 3 + 4 + 5.



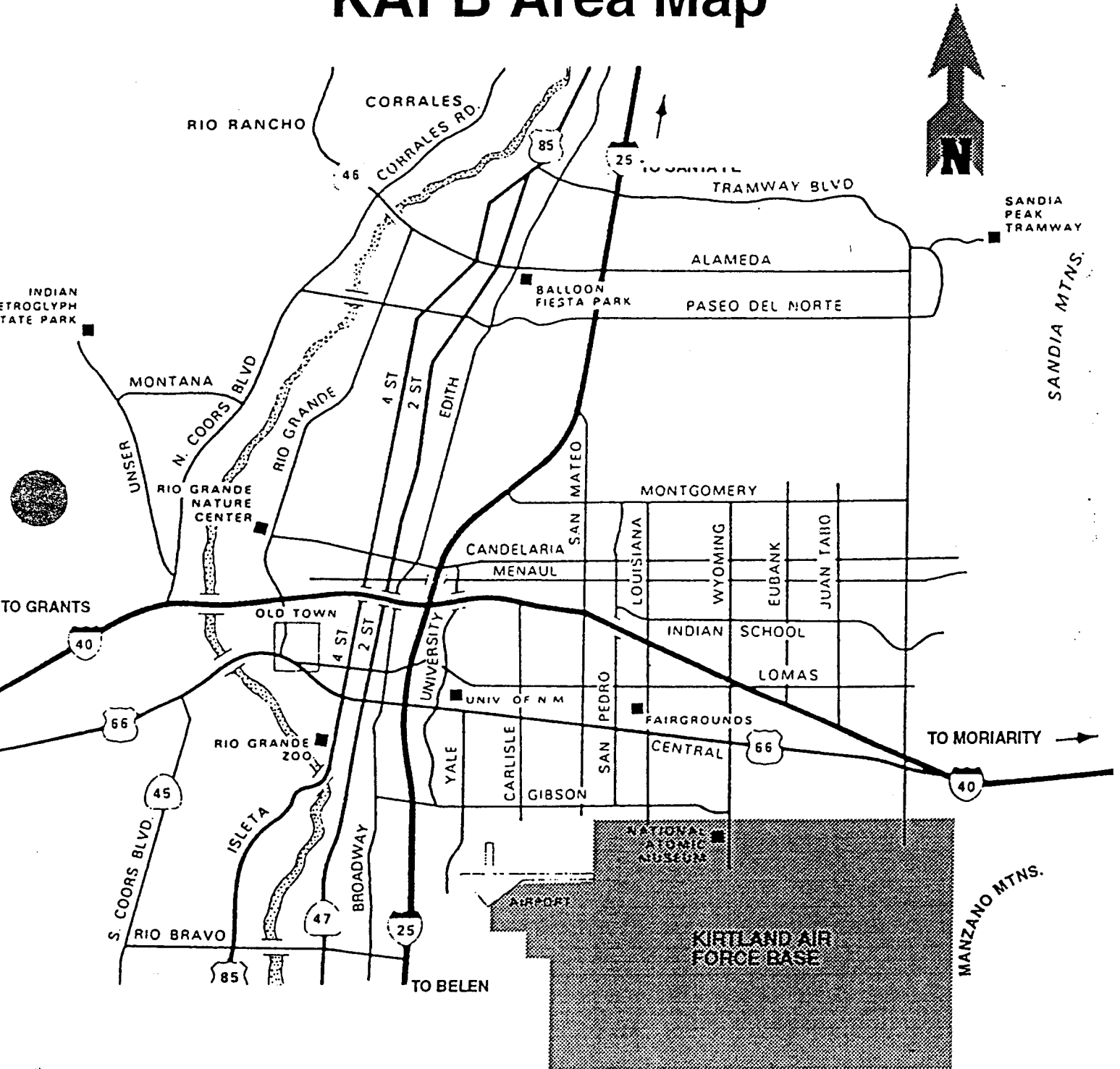
# Cost Development Outline

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- Assumptions
- Site Containment Considerations
- Cost Planning Scenario
- Activity Areas Considered
- Cost Summaries
- One Time Conversion Costs
- Annual Operating Costs

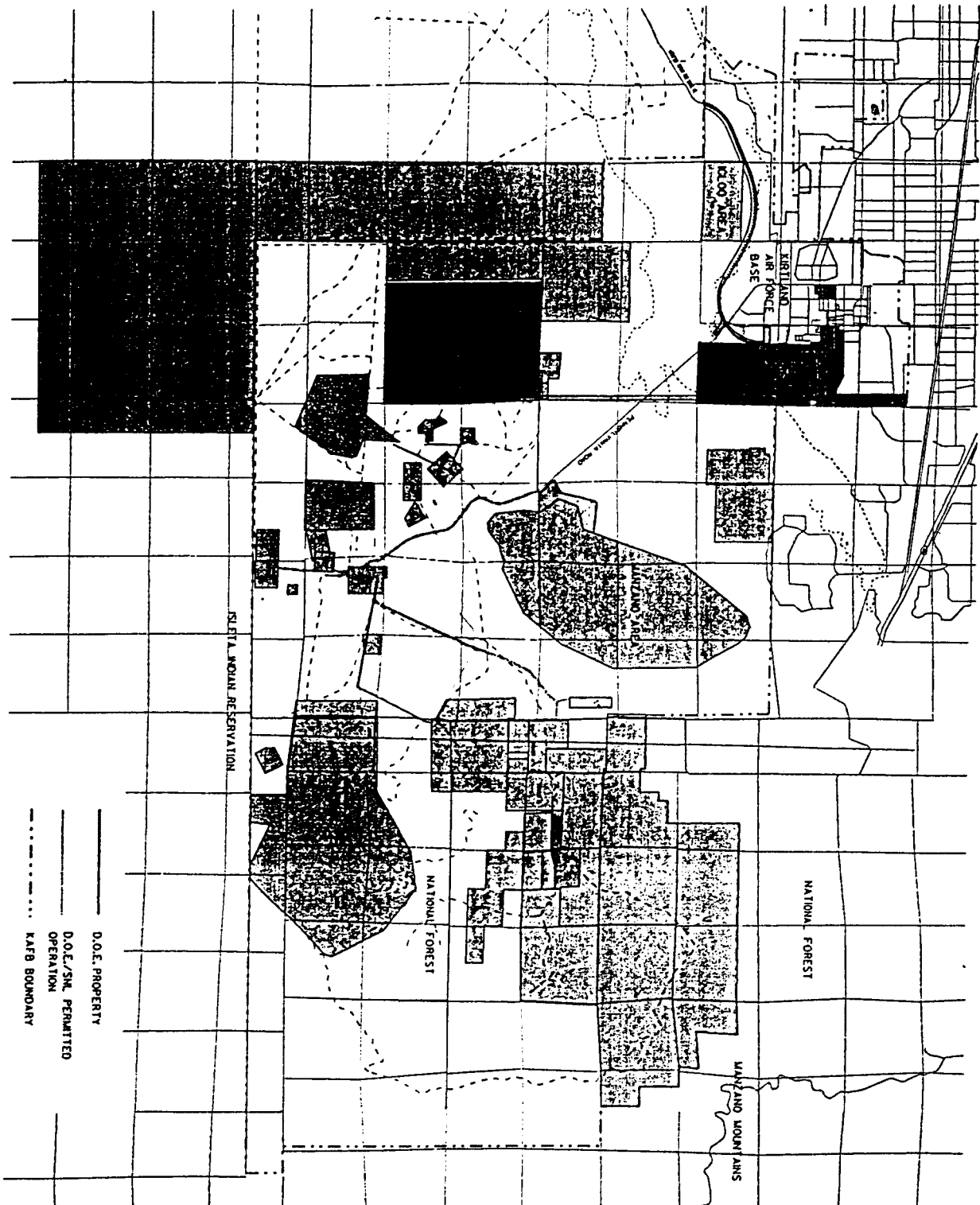


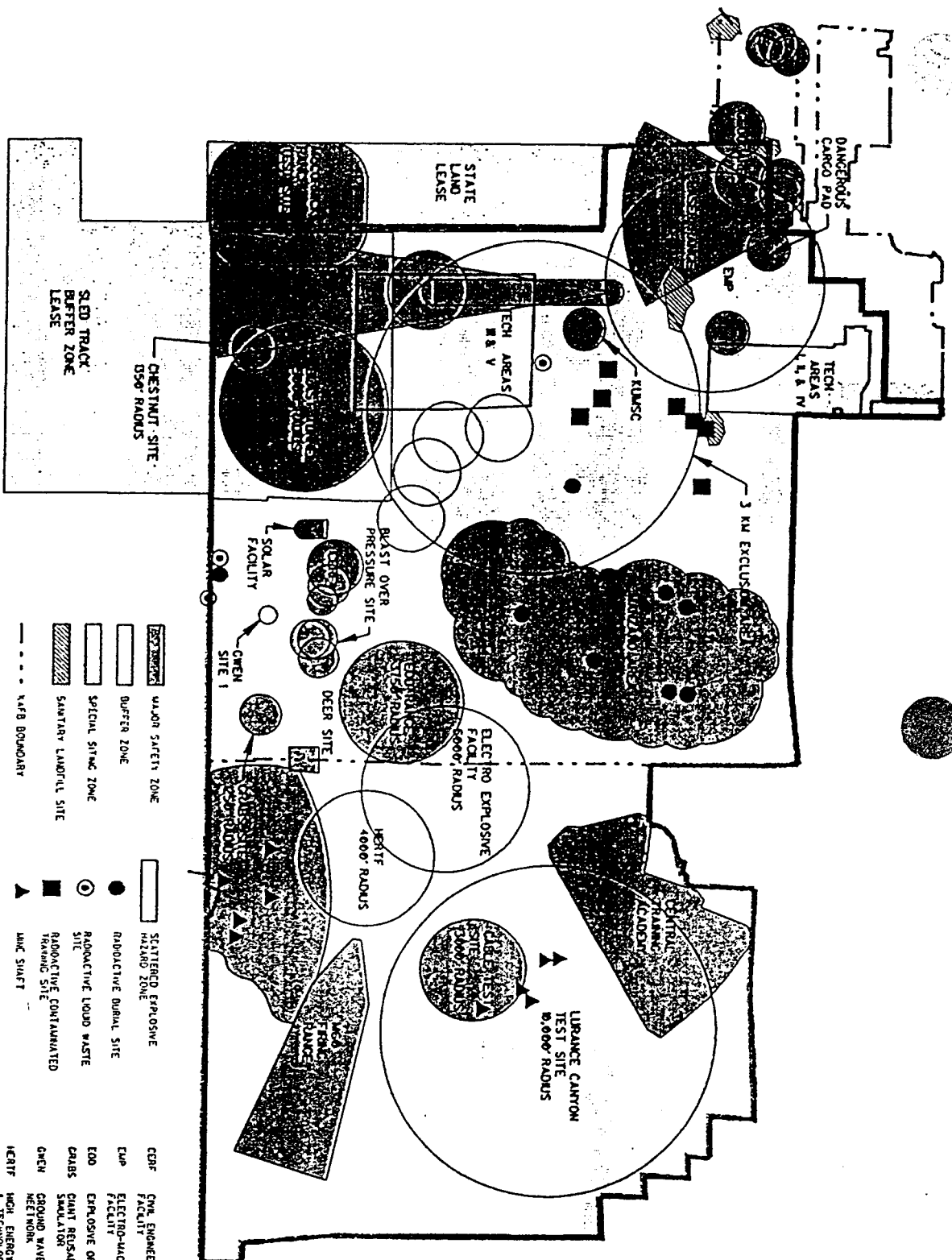
# KAFB Area Map



Albuquerque, New Mexico

# DOESNL Owned and Permitted Lands

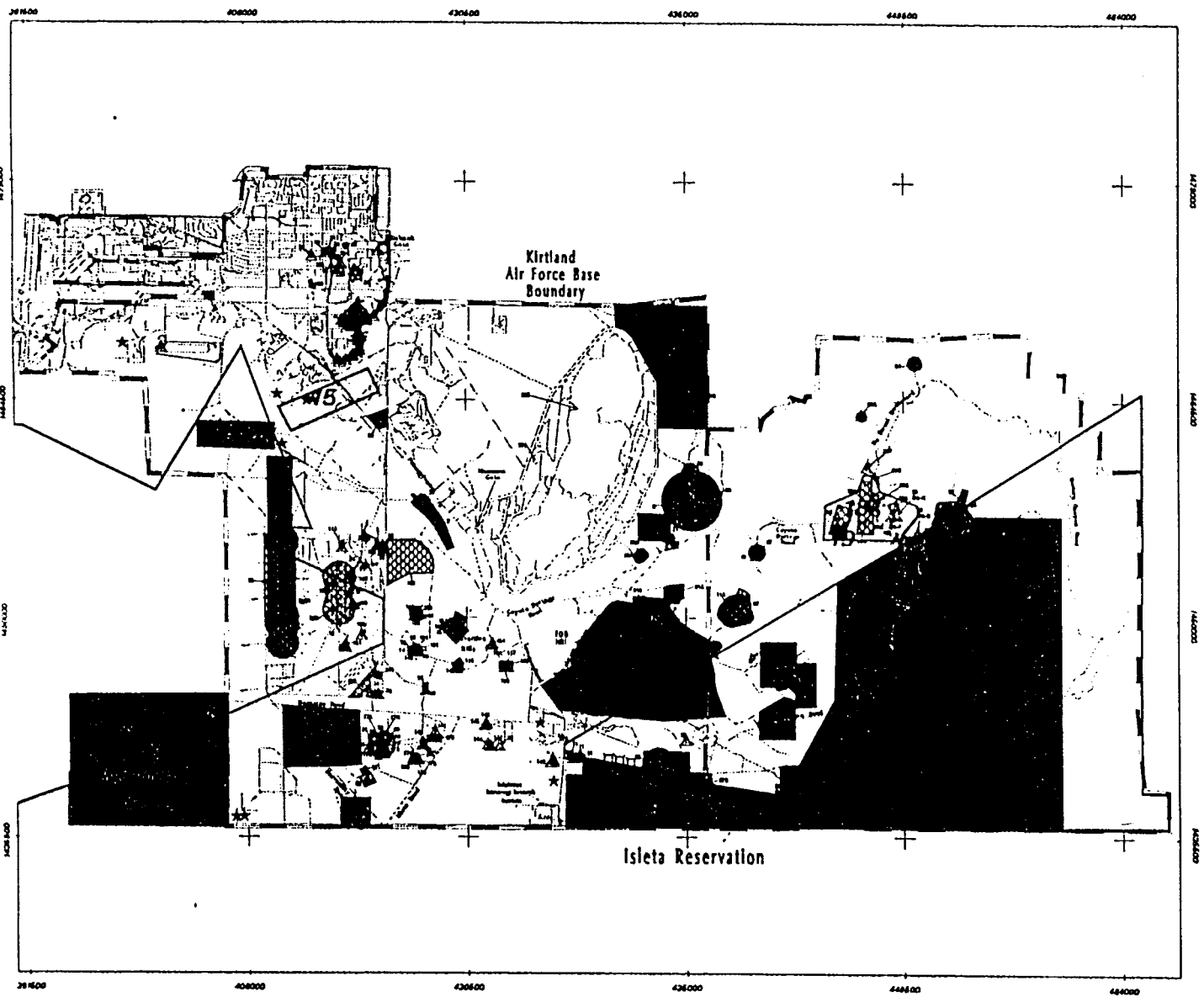














- |           |                        |           |  |       |   |
|-----------|------------------------|-----------|--|-------|---|
| [Pattern] | MAJOR SAFETY ZONE      | [Pattern] | SCATTERED EXPLOSIVE HAZARD ZONE        | CEHF  | CIVIL ENGINEERING RESEARCH FACILITY             |
| [Pattern] | BUFFER ZONE            | [Pattern] | RADIOACTIVE DUAL SITE                  | EMP   | ELECTRO-MAGNETIC PULSE FACILITY                 |
| [Pattern] | SPECIAL SIZING ZONE    | [Symbol]  | RADIOACTIVE LIQUID WASTE SITE          | EOD   | EXPLOSIVE ORDNANCE DISPOSAL                     |
| [Pattern] | SANITARY LANDFILL SITE | [Symbol]  | RADIOACTIVE CONTAMINATED TRAINING SITE | CRABS | CRAB REUSABLE AIR BLAST SIMULATOR               |
| [Pattern] | KAFB BOUNDARY          | [Symbol]  | MHC STAFF                              | OWEN  | GROUND WAVE EMERGENCY NETWORK                   |
| [Pattern] | REDUCED BOUNDARY       |           |  | HERTF | HIGH ENERGY RESEARCH & TECHNOLOGY FACILITY      |
|           |                        |           |  | KUMSC | KIRTLAND UNDERGROUND VIBRATIONS STORAGE COMPLEX |

# SNL/KAFB Hazard Zones



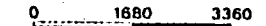


### Legend

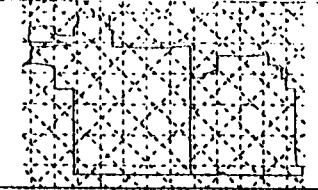
-  KAFB Boundary
  -  Roadways (all types)
  -  ER Sites Greater Than 1 Acre
  -  ER Sites Less Than 1 Acre
  -  Has been visually surveyed, low amount of UXO.
  -  Has not been surveyed, within a gun fan of a known fire/launch site, or is within a known ordnance use area with moderate uxo hazard.
  -  Has been visually surveyed significant amount of UXO.
  -  Unassessed, hazard unknown
  -  High Explosives Removal Completed
  -  Low Level Radiation Pit
- Numbers in Italics refer to Site Survey Report available by contacting the ER Program



Scale in Feet



Scale in Meters




Sandia National Laboratories, New Mexico  
Environmental Operations Geographic Information System

Unexploded Ordnance Areas  
KAFB - Sandia National Labs









Reference: Military Grid Reference System, UTM Zone 18N, North American Datum 83, 83\_500\_000 System, Datum: NAD83

	1 in = 7000	1:84000	MAPID=850711
Unclassified	DRAFT	SNL GIS ORG. 7612	
sheberl	db850711.aml	03/23/95	

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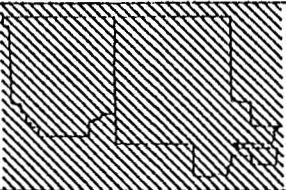
182

**Legend**

-  Kiriland Air Force Base and U.S. Forest Service Withdrawn Area Boundaries
-  Roadways (all types)
-  Drainage Features
-  SNL Technical Areas
-  SNL Environmental Restoration Sites
-  Installation Restoration Program Sites

Scale in Feet  
0 7000 14000

Scale in Meters  
0 1680 3360

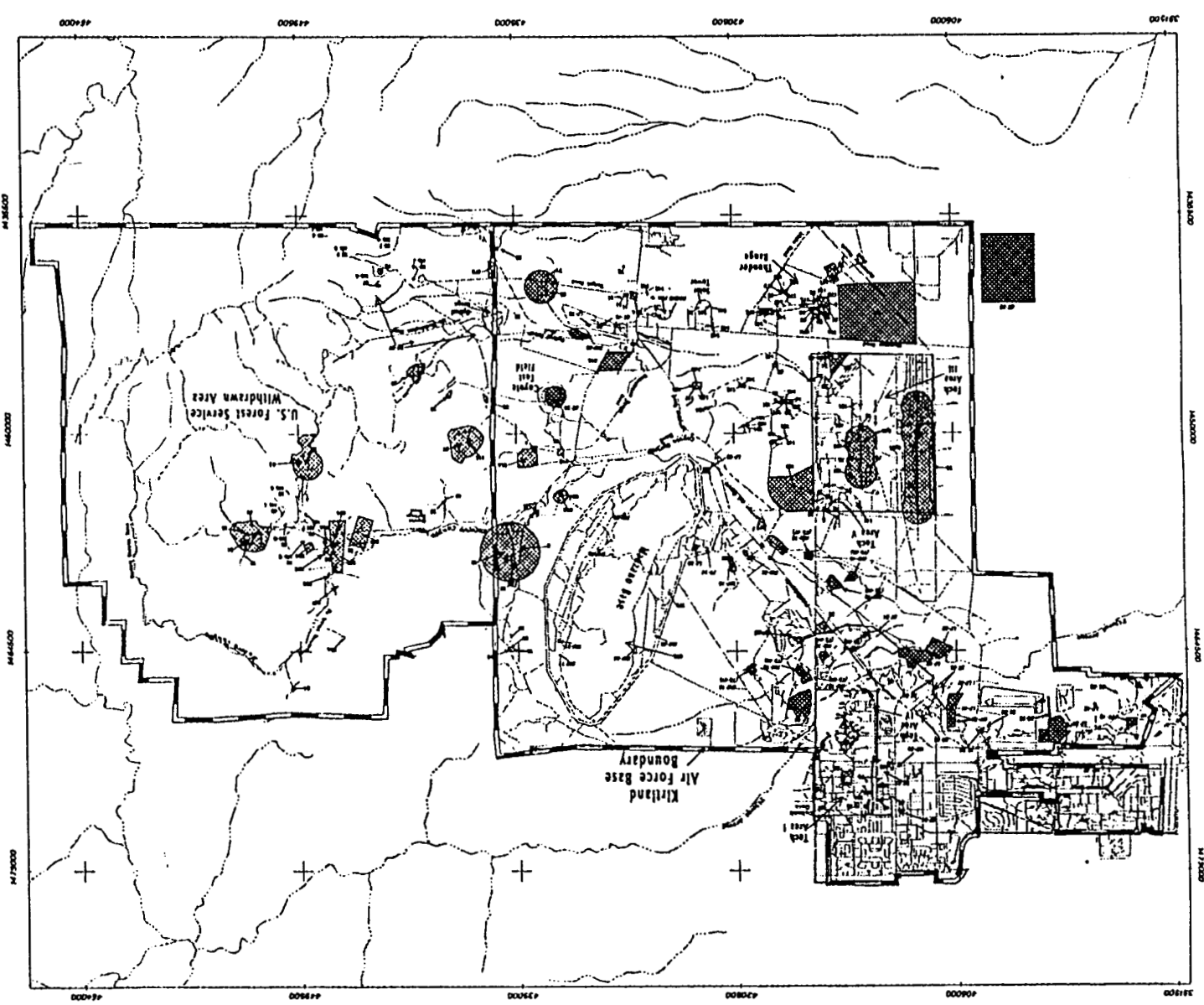


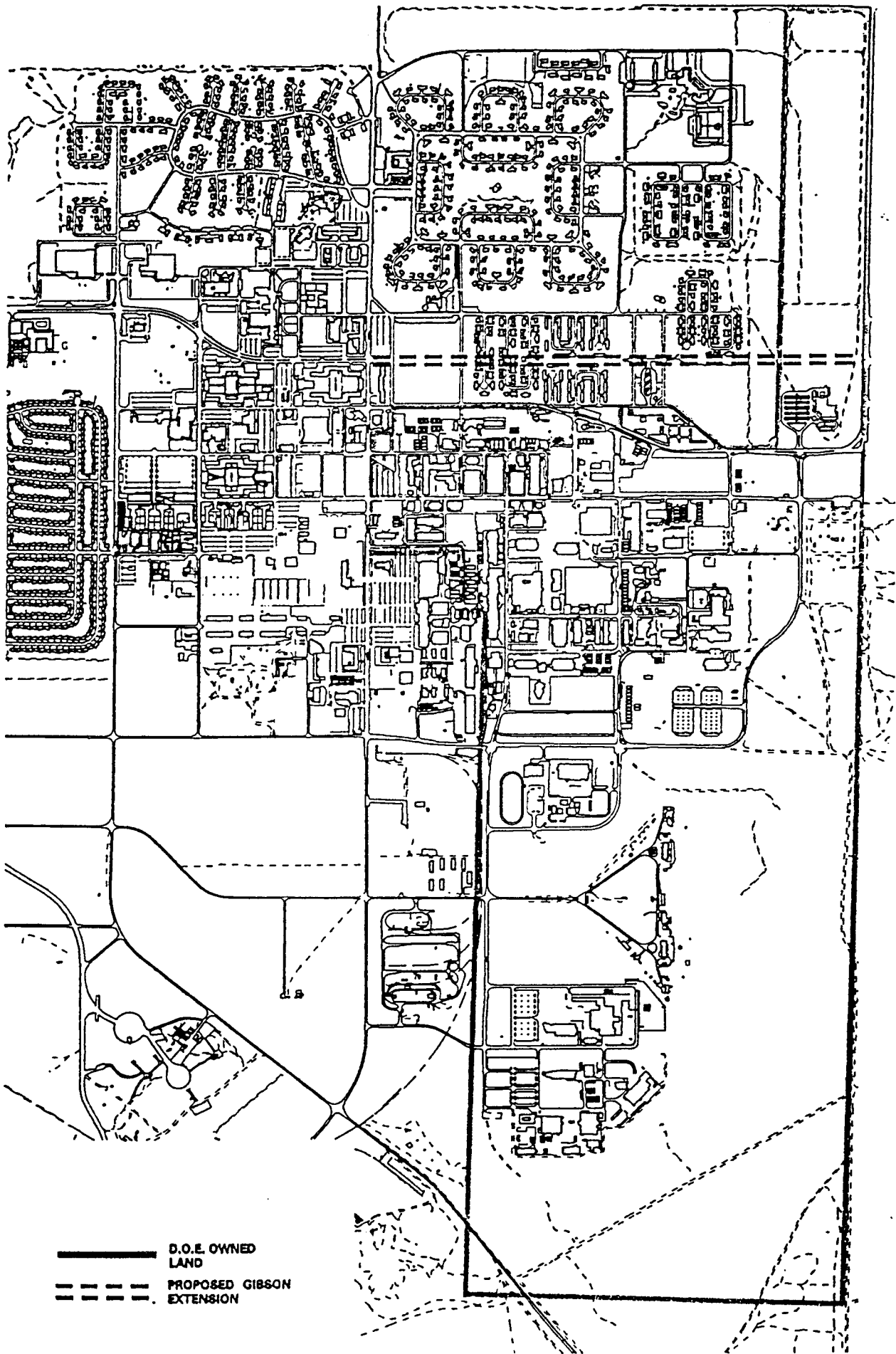
Sandia National Laboratories, New Mexico  
Environmental Operations Geographic Information System

**SNL ER Sites  
and Air Force  
IRP Sites at KAFB**

Map was prepared using the following data:  
1987 Aerial Photographs  
1987 Aerial Photographs  
1987 Aerial Photographs

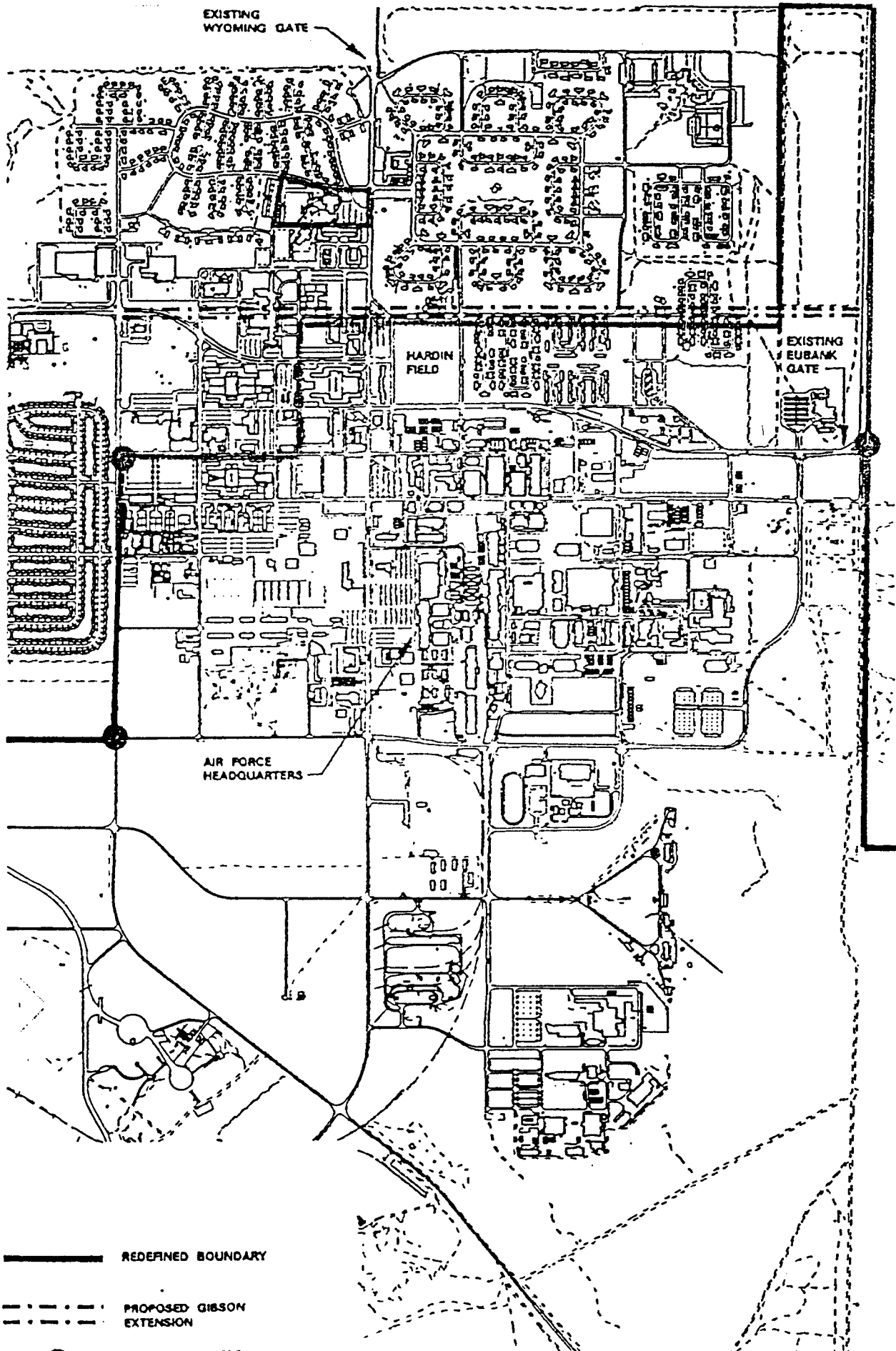
1" = 7000'  
MAPNO-850400  
DRAFT SNL GIS OMG 7512  
Unclassified  
01/27/85





- D.O.E. OWNED LAND
- - - PROPOSED GIBSON EXTENSION

# Current DOE Ownership



# Proposed DOE Cantonment

## Planning Scenario

- Redefined Map
- Pickling Assumption
- Cost Comparisons (< 2 years)





# KAFB BRAC COST ELEMENT DATA SHEET

Estimators Name:                      Organization:                      Telephone Number:

SUMMARY CATEGORY:

SUMMARY ELEMENT:

ITEM:

BACKGROUND DESCRIPTION:

ASSUMPTIONS:

COST ANALYSIS:

ONE TIME COSTS:

Total Project Cost:  
    Design/Title I&II:  
    Construction:  
    Contingency:  
    Project Mngt/Inspection:

Capital Equipment:  
    Items:  
    One Time Remodeling Cost:

Training and Supplies:  
    Training Costs:  
    Other Personnel Costs:  
    Equipment Purchases:

**ANNUAL OPERATING & MAINTENANCE COSTS:**

<b>Number of Full Time Equivalents:</b>	<b>Center:</b>
<b>Team Leaders:</b>	<b>Average Direct Wage:</b>
<b>Journeyman/Operators:</b>	<b>Average Direct Wage:</b>
<b>Laborers:</b>	<b>Average Direct Wage:</b>

**Annual Cost of Consumable:**

**Other:**

**BENCHMARKING:**

Thank you in advance for your assistance in preparing the SNL cost estimate to isolate itself from KAFB. If you have questions please contact Harry Gullett or Rick Gonzales in Org. 7256, or at the following telephone numbers: Harry - 844-9813, Rick - 844-9815, or FAX 844-0470. Please get the disk or a hard copy of your estimates to us by close of business Tuesday 21 March 1995. The summary must be delivered to senior management at 8 AM Thursday. These numbers will become the corporate cost to perform if KAFB is closed. Please be as realistic as possible when estimating the numbers of personnel and vehicles required, however ensure you have sufficient assets to actually accomplish the task or function.

One Time Capital Cost Worksheets						
	0	1	2	3	4	5
<b>A</b>		Construction /Renovation	Capital Equipment	Training & Non-Capital	Allocated Costs	Subtotal
<b>B</b>		actual	actual	actual	sum of columns 1 to 3 x 0.215 corporate load	sum of columns 1 to 4
<b>C</b>	Subtotal	sum column 1	sum column 2	sum column 3	sum column 4	sum column 5
<b>D</b>	Annual Capital Equip. Operations Maintenance - 10%	-	-	-	-	-
<b>E</b>	Annual Capital Equip. Replacement - 10%	-	-	-	-	-
<b>F</b>	Total	sum rows c to e	sum rows c to e	sum rows c to e	sum rows c to e	sum rows c to e

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**Operating Expense Per Year Worksheets**

	6	7	8	9	10	11	12
<b>A</b>		FTE #	Base + Fringe	DS & DC	Training & Non-Capital	Allocated Costs	Subtotal
<b>B</b>		actual	center ave. base x 1.31 fringe	actual	actual	((column 2 x ave. center load) x 1.215 corporate load) + (sum of columns 9 to 10 x 0.215 corporate	sum of columns 8 to 11
<b>C</b>	Subtotal	sum column 7	sum column 8	sum column 9	sum column 10	sum column 11	sum column 12
<b>D</b>	Annual Capital Equip. Operations Maintenance - 10%	-	-	-	-	sum column 2 x 0.10	sum column 2 x 0.10
<b>E</b>	Annual Capital Equip. Replacement - 10%	-	-	-	-	sum column 2 x 0.10	sum column 2 x 0.10
<b>F</b>	Total	sum rows c to e	sum rows c to e	sum rows c to e	sum rows c to e	sum rows c to e	sum rows c to e

## Notes to Accompany the KAFB BRAC Cost Estimates.

The following presents the assumptions, global and detailed, used to estimate the cost of creating a "stand alone" DOE/SNL cantonment. First, this perimeter, see attached map, was created to provide the necessary safety buffers around the TA-1 industrial area and the field test facilities located throughout the cantonment. No effort, due to extreme time constraints, was made to establish a cooperative operating plan with the other remaining tenants. Thus the "economies of scale", available currently to the USAF, were not assumed by the estimators. Such an operating plan, if necessary, will be negotiated by DOE/SNL to achieve the best economy for DOE/SNL at a future time. Similarly environmental baselining and cleanup costs are assigned to the USAF by the 1994 Defense Appropriation Act and are therefore not included as DOE/SNL costs.

The second portion explains how the summaries of the One-Time Conversion Cost and Annual Operating Expenses per Year were derived. These costs are the engineer scoping estimate to create and operate a "stand alone" DOE/SNL cantonment encompassing the area east of Pennsylvania Avenue to the eastern edge of the withdrawal lands, North to Southern Blvd. and south to Isleta Pueblo lands. The sub-total includes all corporate overhead, gross receipts taxes, individual SNL center overhead loads, and the increased maintenance/capital equipment budget necessary to maintain DOE's expanded area of responsibility. The costs are only those which cannot be recovered by DOE/SNL from reimbursable (non-SNL) tenants remaining within the DOE/SNL cantonment.

### GLOBAL ASSUMPTIONS:

1. The Realignment will occur over a 3-5 year period.
2. DOE/SNL becomes the landlord for their cantonment(s) only.
3. DOE/SNL will minimize land and facilities holdings and the size of their cantonment(s) to the extent practicable, consistent with missions and populations.

### DETAILED ASSUMPTIONS:

1. Cost estimates are based on maintaining existing DOE/SNL facilities and operations, not new facilities (except as noted in assumption 9 below).
2. Estimates reflect increased costs to DOE due to:
  - Loss of services currently provided by USAF.
  - Deferral or change in scope of planned USAF projects that directly effect DOE operations.
  - Creation of a DOE/SNL cantonment.

3. **Costs are in FY95 dollars**
4. **The cantonment is limited to the area enclosed by the solid blue line on the attached map. It is generally the existing DOE property from the intersection of Southern Blvd. and Eubank, the KAFB northern perimeter east from TA-1 including the withdrawn lands, south to Isleta Pueblo west to the existing KAFB perimeter, north to the airfield, east (along Hardin Blvd.) to Pennsylvania, north to "G" street, east to one block west of Wyoming, north to the Gibson/"D" street alignment, and east to the DOE property line.**
5. **Most USAF property (and legal responsibility) will not be transferred to DOE; DOE will only manage these assets as a tenant of the USAF. Exceptions would include parking lots, currently under permit from the Air Force, that are direct;y associated with DOE operations.**
6. **The entire perimeter must be fenced and placarded as DOE managed property.**
7. **Utility service to other agencies within the DOE cantonment will be provided to their facility boundary and metered at that point. Services will be on a reimbursable, full cost recovery basis.**
8. **These reimbursable (recovered) costs are not included in the estimates, only SNL non-recoverable SNL costs are included.**
9. **The only USAF facilities under immediate consideration for reuse are the Air Force Safety and Inspection center, the BRIG and Confinement Facilities, the Manzano Base Fire Station, and the Fire Station at "F" street and Wyoming.**
10. **Estimates do not include costs of mothballing (pickling) or Decommissioning, Decontamination, and Demolition of USAF facilities encompassed by the new DOE cantonment.**
11. **Estimates assume USAF will complete MILCON projects on their current schedule that have been recommended for completion by KAFB.**
12. **The services are based on a population of approximately 10,000 employees (DOE, SNL, ITRI, Phillips Laboratory, KUMSC, and others) within the cantonment. All services provided to non-SNL facilities will be on a reimbursable, full cost recovery basis. Only non-recoverable SNL costs are included in the estimates.**
13. **DOE/SNL will not accept responsibility for the Installation Restoration (IR) Sites, Unexploded Ordnance (UXO) or other Kirtland Air Force Base Legacy Wastes. The administrative control and eventual cleanup of these sites will**

forever remain the sole responsibility of the Department of Defense. No additional DOE Headquarters (Code EM) costs are included in these estimates.

#### THE SUMMARY OF THE COST WORKSHEETS:

These are the summaries of the One-time Conversion Cost and the Annual Operating Expenses per Year to create and operate a DOE Cantonment encompassing the area east of Pennsylvania Avenue to the eastern edge of the withdrawal lands, from Isleta on the south to Southern Blvd. on the north.

#### One Time Capital Cost Worksheets:

**Column 1 -- Construction/renovation costs.** These are the actual engineer scoping estimates to renovate former USAF space to DOE environmental standards. The need exists to provide work spaces and lunchrooms, for 288 additional employees. The chief differences include fiber-optic wiring for communications, installing intrusion devices and security sensors, the removal of all asbestos containing insulation, and the removals of all lead based paint.

**Column 2 -- Capital Equipment.** These are the actual costs to purchase the heavy earthmoving equipment, based on the USAF current equipment list, to maintain the mountain roads, and to clear ditches and culverts after rains/snow storms. Also to acquire Fire Fighting equipment (snorkel truck, structural hook & ladder, collapsed building rescue equipment, Hazardous Spill response vehicles, and woodlands brush-fire fighting vehicles), additional maintenance trucks for High Voltage Electrical repairs, and security vehicles for the extended patrol area.

**Column 3 -- Training and Non-capital costs.** These include the estimated costs of recruiting, training, certifying, obtaining security clearances, and purchasing equipment to perform the new functions. Weapons for the security force, radios, uniforms, and office equipment are included in this category.

**Column 4 -- Allocated Costs.** This is the first derived cost. It uses an arbitrary multiplier of 21.5%. This figure is used to estimate the Gross Receipts tax (5.5%), the Management fee of 1%, and 15% for Corporate overhead. This point estimator was provided by Ms. Jennifer Crooks of organization 10400 for use as an average cost for support functions. The totals in columns 1, 2, and 3 are multiplied by 0.215 to derive the value in column 4.

**Column 5 -- Subtotal.** This is the sum of columns 1,2,3, & 4 to estimate the total one time costs of assuming these functions.

#### Operating Expenses Per Year:

**Column 1 -- FTE.** This is the number of full time equivalent employees. By the definition provided by the Sandia Accounting Department Organization 10400 these employees

work a maximum of only 40 hours per week or 80 hours per pay period. This convention artificially increases the number of employees to provide Fire, Rescue, Hazardous material Spill, Security, and Emergency Management Services in the entire estimate.

**Column 2 -- Base + Fringe.** This is a derived cost for personnel. It is the average salary for employees in the Organization (Cost Work Center) times 31%. Fringe includes the costs of vacations, sick leave, and other benefits. These estimates supersede all personnel cost figures in the engineering estimate roll-ups attached.

**Column 3 -- DS & DC.** These stand for Direct Support and Direct Costs. Included in this column are the estimated infra-Sandia Center charges for cross departmental technical support (Environmental, Engineering, Industrial Safety, etc.), contractor support (Time and Material contracts for in-office performance of tasks), and general consumable supplies (non-property materials) to accomplish this function.

**Column 4 -- Training and Non-Capital Equipment.** These are the estimated annual training and equipment (property) purchases required to maintain proficiency and certifications to perform this function under DOE/SNL Procedures.

**Column 5 -- Allocated costs.** This is a derived cost using two equations. The first is the application of the Work Center Load, an overhead rate charged internally to Sandia to achieve full cost recovery -- this load varies by Center, to the derived average wages in column 2. The next step is to apply the Corporate Overhead rate of 21.5% to this figure by multiplying this "loaded rate" by 1.215. The second equation applies the Corporate Overhead, 21.5% to the DS&DC's and the Training Costs in columns 3 and 4. The EXCEL formula is:  $\{[(\text{column 2} * \text{Cntr Load}) * 1.215] + \{(\text{sum column 3 +4}) * 0.215\}\}$  = Allocated Costs.

**Rows D & E -- Annual Capital Equipment Maintenance and Replacement.** These costs are estimated to be 10% each. They apply only to column 2 (Capital Equipment) from the One-time Conversion Costs.

**Column 6 -- Subtotal.** This is the sum of columns 2 + 3 + 4 + 5.