Candidate #USA-0224

DCN: 6551

Candidate Recommendation: **Realign Fort Hood, TX by relocating a Brigade Combat Team, UEx Headquarters, and Sustainment Brigade to Fort Carson, CO.**

Justification

- ✓ Single Service relocation of a BCT and UEx HQ to Fort Carson and takes advantage of one of the largest heavy maneuver areas
- ✓ Single Service relocation of a UEx HQ to Fort Carson to provide command and control of assigned units
- ✓ Excess training land capacity and infrastructure exists at Fort Carson

Military Value

- ✓ MVI: Fort Hood (3), Fort Carson (8)
- ✓ Improves Military Value at both locations by taking advantage of capacity at Fort Carson and reducing pressure at Fort Hood
- ✓ Essential to support the Twenty Year Force Structure Plan

Payback

1.	One-time cost:	$499.2M
2.	Net of Implementation Costs:	$641.7M
3.	Annual Recurring Costs:	$48.8M
4.	Payback period:	Never
5.	NPV Costs:	$1047M

Impacts

- ✓ Criterion 6 – Max potential loss of 7,560 jobs in the Killeen, TX metropolitan area which is 4.04% of ROI. Max potential increase of 8,189 jobs in the Colorado Springs, CO metropolitan area which is 2.4% of ROI
- ✓ Criterion 7 – Low risk. Of the ten attributes evaluated one improved (Population Center) and one declined (Education)
- ✓ Criterion 8 – Moderate Impact – air analysis required, & potential restrictions due to archeological resource issues & water availability

- ✓ Strategy
- ✓ COBRA
- ✓ Capacity Analysis / Data Verification (On going)
- ✓ Military Value Analysis / Data Verification (On going)
- ✓ JCSG Recommended
- ✓ Criteria 6-8 Analysis
- ✓ De-conflicted w/JCSGs
- ✓ De-conflicted w/Services

BRAC 2005 - TABS Proposal Information Management System (PIMS)

Candidate Recommendation Summary USA-0224

25-Mar-05

Proposal #: 661

Name: LTC Russ Hall

Proposal Title: Realign Fort Hood, Texas

General Description: Realign Fort Hood, TX by relocating a Heavy Brigade Combat Team (BCT), a UEx Headquarters, and Sustainment Brigade to Fort Carson, CO.

Justification: This candidate recommendation relocates to Fort Carson, CO, a Heavy BCT that will be temporarily stationed at Fort Hood in FY06, a Unit of Employment Headquarters, and a Sustainment Brigade. The temporary stationing of this BCT in FY06 is required due to operational necessity and to support current operational deployments in support of the Global War on Terrorism (GWOT). However, Fort Hood does not have sufficient permanent facilities and available maneuver training acreage and ranges to permanently support six heavy BCTs and numerous other operational units stationed there. The Army previously obtained approval from the Secretary of Defense to temporarily station a third BCT at Fort Carson in FY05. BRAC analysis indicates that the Army should permanently station this third BCT at Fort Carson. The BCT relocating from Fort Hood is an additional or fourth BCT to Fort Carson where there is adequate capacity. Fort Carson is an installation capable of training modular formations, both mounted and dismounted, at home station with sufficient land and facilities to test, simulate, or fire all organic weapon systems. This recommendation enhances home station training and readiness of the units at both Fort Carson and Fort Hood. It also enhances the military value of both installations.

Military Value

The military value ranking of Fort Hood and Fort Carson were 3 and 8, respectively. While Fort Hood ranks higher, permanently stationing a sixth BCT there results in unnecessary competition for limited resources such as maneuver land and ranges. Fort Hood has only a limited ability to expand its current range capacity. Fort Carson has land, facilities and associated airspace available to support training and mission requirements. This recommendation enhances military value by improving unit training at both locations and enhancing unit readiness. Relocating the UEx Headquarters and the Sustainment Brigade provides greater command and control and logistics support to the BCTs.

Capacity

Fort Carson is currently the home of the 3d Armored Cavalry Regiment and the 1st BCT, 4th Infantry Division and will soon be the home to another BCT relocating from Korea. Fort Carson is a major Army maneuver training installation and a designated power projection platform. It has modern facilities to include training ranges. Combined with the Pinion Canyon Training Area, Fort Carson's 351,000 acres is sufficient to train and sustain the readiness of the units located there. Fort Carson also has some excess facilities' capacity (49,000 square feet) and has enough buildable acres (23,875 acres) to support additional construction requirements for the BCT, UEx Headquarters, and a Sustainment Brigade. Permanently stationing these units at Fort Carson relieves pressure on Fort Hood' training land and facilities.

Force Structure

This proposal helps ensure the Army has sufficient infrastructure, training land and ranges to meet the requirements to transform the Operational Army as identified in the Twenty Year Force Structure Plan. As part of this transformation, the Army is activating 10 new BCTs for a total of 43 active BCTs. Including the results of the Integrated Global Presence and Basing Strategy (IGPBS), the number of BCTs stationed in the United States will rise from twenty-six to forty. This recommendation helps the Army to better balance its critical heavy maneuver training assets with the expanding force structure across its installations.

Alternatives
Analysis indicates that Fort Carson is best-suited for the stationing of this BCT. As one of the Army's larger maneuver-type installations, Fort Carson has the capacity to support the stationing of four BCTs and various support units. Other alternative installations were analyzed along with Fort Carson. However, with the increase in the number of BCTs in the United States from 26 to 40 by the end of FY09, Fort Carson was the most viable. Fort Riley, KS and Fort Bliss, TX were both considered, but candidate recommendation USA-0221 substantially increases the number of BCTs and other units at these locations. Fort Irwin, CA was considered, but not recommended due to the demands of the National Training Center mission on training assets availability and its lack of an existing, robust infrastructure. Yuma Proving Ground was also considered, but not recommended based on its ongoing test mission and its lack of an existing, robust infrastructure. Fort Knox was also considered, but not recommended. Fort Knox does not have sufficient heavy maneuver training land to adequately support a Heavy BCT.

History Narrative Block: As a part of the Army BRAC 2005 Analysis, the Army Basing Study Group studied the conversion of existing brigades and activation of new modular Brigade Combat Teams (BCTs). The near term activation of these units was done to meet operational requirements in support of the GWOT. This candidate recommendation specifically addresses one of the newly activated BCTs that was temporarily stationed at Fort Hood. It also relocates a UEx Headquarters and Sustainment Brigade to Fort Carson to provide command, control and logistical support to the BCTs.

Installation From	Installation To	Units Description	Total Mil	Total CIV	Total POP
FORT HOOD	FORT CARSON	Sustainment Brigade	377	0	377
FORT HOOD	FORT CARSON	UEx Headquarters	341	0	341
FORT HOOD	FORT CARSON	Heavy BCT	3,757	0	3,757
		Total:	4,475	0	4,475

BRAC Principles:
Recruit and Train
Quality of Life
Organize
Deploy & Employ (Operational)

Transformational Options:
44 Locate (brigades) Units of Action at installations DoD-wide, capable of training modular formations, both mounted and dismounted, at home station with sufficient land and facilities to test, simulate, or fire all organic weapons. Source and Application: Army
51 Locate units/activities to enhance home station operations and force protection. Source and Application: Army

Operational Impact The Army activated this BCT at Fort Hood as an efficient and effective temporary means to increase the number of BCTs in the Army and meet current operational requirements. Relocating this BCT to Fort Carson supports long term operational deployment and force stabilization objectives.

MVA Impact: The military value ranking of Fort Hood and Fort Carson were 3 and 8, respectively. While Fort Hood ranks higher, permanently stationing a sixth BCT there results in unnecessary competition for limited resources such as maneuver land and ranges. Fort Hood has only a limited ability to expand its current range capacity. Fort Carson has land, facilities and associated airspace available to support training and mission requirements. This recommendation enhances military value by improving unit training at both locations and enhancing unit readiness. Relocating the UEx Headquarters and the Sustainment Brigade provides greater command and control and logistics support to the BCTs.

Capacity Impact: Fort Carson is currently the home of the 3d Armored Cavalry Regiment and the 1st BCT, 4th Infantry Division and will soon be the home to another BCT relocating from Korea. Fort Carson is a major Army maneuver training installation and a designated power projection platform. It has modern facilities to include training ranges. Combined with the Pinion Canyon Training Area, Fort

Carson's 351,000 acres is sufficient to train and sustain the readiness of the units located there Fort Carson also has some excess facilities' capacity (49,000 square feet) and has enough buildable acres (23,875 acres) to support additional construction requirements for the BCT, UEx Headquarters, and a Sustainment Brigade. Permanently stationing these units at Fort Carson relieves pressure on Fort Hood' training land and facilities.

Statistics:

NPV($K):	1,046,749	1-Time Cost($K)	499,197	Closure(Acres):	0
PB (yrs):	Never	New Milcon(SF):	1,426,236	Shutdown(SF):	246,000

Army BRAC Objectives:

Deployment 1: Locate forces and materiel to enhance deployment and redeployment of the Joint Team.

C4I/HQ 1: Locate units and activities to enhance home-station operations and force protection.

Unit Training 1: Provide units and activities with sufficient, sustainable maneuver and training space in a wide variety of geographic, topographic, and climatic conditions in support of training, testing and experimentation, and Homeland Defense.

Unit Training 2: Locate units and activities to enhance home-station training, force-stabilization policies, Joint interoperability, and readiness.

Mission 1: Retain DoD installations with the most flexible capability to accept new missions.

Mission 2: Retain vital training and test lands as a hedge against likely new Joint Team missions; changes in technology, TTP; and other Operational Risk.

Well-Being 1: Provide safe, quality, and affordable communities on and off post.

Well-Being 3: Provide opportunities to enrich personal lives by achieving individual aspirations.

Well-Being 4: Provide quality and varied recreational and cultural opportunities on and off post.

Environment 1: Locate to reduce the impact of encroachment on mission accomplishment.

Environment 2: Locate where available natural resources can sustain the force.

Environment 3: Locate to enable max training and test flexibility within environmental limits.

Economic Impact (6):

Installation From	Indirect Fr	Direct Fr	Installation To	Indirect To	Direct To
FORT HOOD	3,004	4,556	FORT CARSON	3,523	4,666

Comments: Economic Impact on Communities: This recommendation could result in a maximum potential increase of 8189 jobs (4666 direct and 3523 indirect jobs) over the 2006 – 2011 period in the Colorado Springs, CO metroolitan area, which is 2.34 percent of economic area employment. Assuming no economic recovery, this recommendation could result in a maximum potential decrease of 7560 jobs (4556 direct and 3004 indirect jobs) over the 2006 – 2011 period in the Killeen-Temple-Fort Hood, TX metropolitan area, which is 4.04 percent of economic area employment.

Local Area Impacts (7):

Risk of Move: Army Low

LAI Items: Education

Comments: A review of community infrastructure attributes revealed no significant issues regarding the ability of the community to support forces, missions, and personnel.
When moving activities from Fort Hood to Fort Carson, one attribute improved (Population Center) and one (Education) was not as robust.

Environmental Impacts (8):

EI Items:

Comment: This recommendation moves a significant number of personnel to Fort Carson, causes significant levels of new construction, while also increasing training frequency, noise levels, and amount of land impacted by training. Fort Carson is currently exceeding Major Source thresholds for Volatile Organic Compounds (VOCs), Nitrogen Oxides (NOx), Sulfer Dioxide (SO2), Carbon Monoxide (CO), and Particular Matter (PM10). This installation is located in a Maintenance area for CO and air quality issues currently restrict operations on this installation. Therefore, a New Source Review and permitting effort will be required. Fort Carson has 669 archeological/cultural

resources, 40 historic buildings, and 13 Native American tribes have asserted interest in sites. However, only 57% of the installation has been surveyed for cultural resources. To preserve these resources, training restrictions may be imposed and increased operational delays and costs are possible. Tribal consultations may be required to expand use near listed sites. Fort Carson, which is experiencing moderate encroachment, has 15,686 acres of Noise Zone 2 and 2,322 acres of Noise Zone 3 that extend outside the installation boundaries. Further analysis will be required to determine the extent of new noise impacts. Fort Carson has 3 Threatened and Endangered species that cause some restrictions on off-road vehicle use and training activities. Added operations may impact these species and result in further training restrictions. Due to the McCarren Amendment, this installation has restrictions in place that significantly limit production or distribution of potable water. Increased missions at the installation may result in additional restrictions or mitigation requirements. This installation is discharging to an impaired waterway, so significant mitigation measures to limit releases may be required to reduce impacts to water quality and achieve US EPA water quality standards. No adverse effects to any other environmental resource areas are expected.

Review Status:

**** End of Report ****

BRAC 2005 - TABS Proposal Information Management System (PIMS)

Candidate Recommendation Supporting Informatior

25-Mar-05

USA-0224

Title:

Realign Fort Hood, Texas

Competing Recommendations and Other Information:

There are no potential or known competing recommendations that could conflict with this recommendation.

Force Structure Capabilities:

This proposal helps ensure the Army has sufficient infrastructure, training land and ranges to meet the requirements to transform the Operational Army as identified in the Twenty Year Force Structure Plan. As part of this transformation, the Army is activating 10 new BCTs for a total of 43 active BCTs. Including the results of the Integrated Global Presence and Basing Strategy (IGPBS), the number of BCTs stationed in the United States will rise from twenty-six to forty. This recommendation helps the Army to better balance its critical heavy maneuver training assets with the expanding force structure across its installations.

MVA Results:

The military value ranking of Fort Hood and Fort Carson were 3 and 8, respectively. While Fort Hood ranks higher, permanently stationing a sixth BCT there results in unnecessary competition for limited resources such as maneuver land and ranges. Fort Hood has only a limited ability to expand its current range capacity. Fort Carson has land, facilities and associated airspace available to support training and mission requirements. This recommendation enhances military value by improving unit training at both locations and enhancing unit readiness. Relocating the UEx Headquarters and the Sustainment Brigade provides greater command and control and logistics support to the BCTs.

Capacity Analysis Results:

Fort Carson is currently the home of the 3d Armored Cavalry Regiment and the 1st BCT, 4th Infantry Division and will soon be the home to another BCT relocating from Korea. Fort Carson is a major Army maneuver training installation and a designated power projection platform. It has modern facilities to include training ranges. Combined with the Pinion Canyon Training Area, Fort Carson's 351,000 acres is sufficient to train and sustain the readiness of the units located there Fort Carson also has some excess facilities' capacity (49,000 square feet) and has enough buildable acres (23,875 acres) to support additional construction requirements for the BCT, UEx Headquarters, and a Sustainment Brigade. Permanently stationing these units at Fort Carson relieves pressure on Fort Hood' training land and facilities.

**** End of Report ****

BRAC 2005 - TABS Proposal Information Management System (PIMS)

Candidate Recommendation #USA-0224

25-Mar-05

Recommendation:

Realign Fort Hood, TX by relocating a Heavy Brigade Combat Team (BCT), a UEx Headquarters, and Sustainment Brigade to Fort Carson, CO.

Justification:

This candidate recommendation relocates to Fort Carson, CO, a Heavy BCT that will be temporarily stationed at Fort Hood in FY06, a Unit of Employment Headquarters, and a Sustainment Brigade. The temporary stationing of this BCT in FY06 is required due to operational necessity and to support current operational deployments in support of the Global War on Terrorism (GWOT). However, Fort Hood does not have sufficient permanent facilities and available maneuver training acreage and ranges to permanently support six heavy BCTs and numerous other operational units stationed there. The Army previously obtained approval from the Secretary of Defense to temporarily station a third BCT at Fort Carson in FY05. BRAC analysis indicates that the Army should permanently station this third BCT at Fort Carson. The BCT relocating from Fort Hood is an additional or fourth BCT to Fort Carson where there is adequate capacity. Fort Carson is an installation capable of training modular formations, both mounted and dismounted, at home station with sufficient land and facilities to test, simulate, or fire all organic weapon systems. This recommendation enhances home station training and readiness of the units at both Fort Carson and Fort Hood. It also enhances the military value of both installations.

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land and facilities.

Force Structure
This proposal helps ensure the Army has sufficient infrastructure, training land and ranges to meet the requirements to transform the Operational Army as identified in the Twenty Year Force Structure Plan. As part of this transformation, the Army is activating 10 new BCTs for a total of 43 active BCTs. Including the results of the Integrated Global Presence and Basing Strategy (IGPBS), the number of BCTs stationed in the United States will rise from twenty-six to forty. This recommendation helps the Army to better balance its critical heavy maneuver training assets with the expanding force structure across its installations.

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Payback:

The total estimated one-time cost to the Department of Defense to implement this recommendation is $ 499,197 thousand. The net of all costs and savings to the Department of Defense during the implementation period is a cost of $ 641,670 thousand. Annual recurring cost to the Department after implementation are $ 48,797 thousand. This recommendation never pays back. The net present value of the costs and savings to the Department over 20 years is a cost of $ 1,046,749 thousand.

This recommendation never pays back because it involves the relocation of a newly activated unit. No permanent facilities exist to support the unit.

Other Considerations:

A. Economic Impact on Communities:

Economic Impact on Communities: This recommendation could result in a maximum potential increase of 8189 jobs (4666 direct and 3523 indirect jobs) over the 2006 – 2011 period in the Colorado Springs, CO metroolitan area, which is 2.34 percent of economic area employment.
Assuming no economic recovery, this recommendation could result in a maximum potential decrease of 7560 jobs (4556 direct and 3004 indirect jobs) over the 2006 – 2011 period in the Killeen-Temple-Fort Hood, TX metropolitan area, which is 4.04 percent of economic area employment.

B. Community Infrastructure Assessment:

A review of community infrastructure attributes revealed no significant issues regarding the ability of the community to support forces, missions, and personnel.
When moving activities from Fort Hood to Fort Carson, one attribute improved (Population Center) and one (Education) was not as robust.

C. Environmental Impact:

This recommendation moves a significant number of personnel to Fort Carson, causes significant levels of new construction, while also increasing training frequency, noise levels, and amount of land impacted by training. Fort Carson is currently exceeding Major Source thresholds for Volatile Organic Compounds (VOCs), Nitrogen Oxides (NOx), Sulfer Dioxide (SO2), Carbon Monoxide (CO), and Particular Matter (PM10). This installation is located in a Maintenance area for CO and air quality issues currently restrict operations on this installation. Therefore, a New Source Review and permitting effort will be required. Fort Carson has 669 archeological/cultural resources, 40 historic buildings, and 13 Native American tribes have asserted interest in sites. However, only 57% of the installation has been surveyed for cultural resources. To preserve these resources, training restrictions may be imposed and increased operational delays and costs are possible. Tribal consultations may be required to expand use near listed sites. Fort Carson, which is experiencing moderate encroachment, has 15,686 acres of Noise Zone 2 and 2,322 acres of Noise Zone 3 that extend outside the installation boundaries. Further analysis will be required to determine the extent of new noise impacts. Fort Carson has 3 Threatened and Endangered species that cause some restrictions on off-road vehicle use and training activities. Added operations may impact these species and result in further training restrictions. Due to the McCarren Amendment, this installation has restrictions in place that significantly limit production or distribution of potable water. Increased missions at the installation may result in additional restrictions or mitigation requirements. This installation is discharging to an impaired waterway, so significant mitigation measures to limit releases may be required to reduce impacts to water quality and achieve US EPA water quality standards. No adverse effects to any other environmental resource areas are expected.

**** End of Report ****

COBRA REALIGNMENT SUMMARY REPORT (COBRA v6.08) - Page 1/2
Data As Of 03/25/2005 4:43:30 PM, Report Created 03/25/2005 5:05:31 PM

Department : U.S. Army
Scenario File : J:\Candidate Recommendations\USA\AC\USA-0224 Realign Fort Hood\Criterion 5\661 - Realign Hood Hvy BCT Carson.CBR
Option Pkg Name: 661 - Realign Hood Hvy BCT Carson
Std Fctrs File : D:\Army COBRA 6.08\BRAC2005.SFF

Starting Year : 2006
Final Year : 2009
Payback Year : Never

NPV in 2025($K): 1,046,749
1-Time Cost($K): 499,197

Net Costs in 2005 Constant Dollars ($K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
MilCon	24,045	0	267,167	0	0	0	291,212	0
Person	0	0	0	8,178	9,766	9,766	27,709	9,766
Overhd	1,752	1,314	8,903	12,907	12,058	12,058	48,992	12,058
Moving	0	0	400	16,887	0	0	17,287	0
Missio	0	0	0	0	0	0	0	0
Other	0	520	170,818	31,185	26,973	26,973	256,470	26,973
TOTAL	25,797	1,834	447,287	69,158	48,797	48,797	641,670	48,797

	2006	2007	2008	2009	2010	2011	Total
POSITIONS ELIMINATED							
Off	0	0	0	9	0	0	9
Enl	0	0	0	14	0	0	14
Civ	0	0	0	58	0	0	58
TOT	0	0	0	81	0	0	81
POSITIONS REALIGNED							
Off	0	0	0	540	0	0	540
Enl	0	0	0	3,935	0	0	3,935
Stu	0	0	0	0	0	0	0
Civ	0	0	0	0	0	0	0
TOT	0	0	0	4,475	0	0	4,475

Summary:

PIMS 661 - USA # 0224

Realign Fort Hood, TX by relocating a Brigade Combat Team (BCT), UEx Headquarters and Sustainment Brigade to Fort Carson, CO.

COBRA REALIGNMENT SUMMARY REPORT (COBRA v6.08) - Page 2/2
Data As Of 03/25/2005 4:43:30 PM, Report Created 03/25/2005 5:05:32 PM

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Option Pkg Name: 661 - Realign Hood Hvy BCT Carson
Std Fctrs File : D:\Army COBRA 6.08\BRAC2005.SFF

Costs in 2005 Constant Dollars ($K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
MilCon	24,045	0	267,167	0	0	0	291,212	0
Person	0	0	0	35,950	40,606	40,606	117,161	40,606
Overhd	1,752	1,314	8,903	19,212	18,362	18,362	67,905	18,362
Moving	0	0	400	25,438	0	0	25,838	0
Missio	0	0	0	0	0	0	0	0
Other	0	520	170,818	31,185	26,973	26,973	256,470	26,973
TOTAL	25,797	1,834	447,287	111,786	85,941	85,941	758,586	85,941

Savings in 2005 Constant Dollars ($K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	0	0	0	27,772	30,840	30,840	89,452	30,840
Overhd	0	0	0	6,304	6,304	6,304	18,913	6,304
Moving	0	0	0	8,551	0	0	8,551	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
TOTAL	0	0	0	42,628	37,144	37,144	116,916	37,144

COBRA PERSONNEL/SF/SUSTAINMENT/RECAP/BOS DELTAS REPORT (COBRA v6.08)
Data As Of 03/25/2005 4:43:30 PM, Report Created 03/25/2005 5:05:31 PM

Department : U.S. Army
Scenario File : J:\Candidate Recommendations\USA\AC\USA-0224 Realign Fort Hood\Criterion 5\661 - Realign Hood Hvy BCT Carson.CBR
Option Pkg Name: 661 - Realign Hood Hvy BCT Carson
Std Fctrs File : D:\Army COBRA 6.08\BRAC2005.SFF

Personnel

Base	Start*	Finish*	Change	%Change
CARSON	15,228	19,894	4,666	31%
HOOD	47,996	43,440	-4,556	-9%
TOTAL	63,224	63,334	110	0%

Square Footage

Base	Start	Finish	Change	%Change	Chg/Per
CARSON	20,840,000	22,266,236	1,426,236	7%	306
HOOD	55,322,000	55,076,000	-246,000	0%	54
TOTAL	76,162,000	77,342,236	1,180,236	2%	10,729

Base Operations Support (2005$)

Base	Start*	Finish*	Change	%Change	Chg/Per
CARSON	57,216,210	67,661,078	10,444,868	18%	2,238
HOOD	74,026,696	68,244,471	-5,782,225	-8%	1,269
TOTAL	131,242,906	135,905,549	4,662,643	4%	42,388

Sustainment (2005$)

Base	Start	Finish	Change	%Change	Chg/Per
CARSON	39,062,760	44,386,078	5,323,318	14%	1,141
HOOD	64,673,770	64,386,185	-287,584	0%	63
TOTAL	103,736,530	108,772,264	5,035,734	5%	45,779

Recapitalization (2005$)

Base	Start	Finish	Change	%Change	Chg/Per
CARSON	30,355,120	32,948,972	2,593,852	9%	556
HOOD	52,743,186	52,508,653	-234,533	0%	51
TOTAL	83,098,306	85,457,625	2,359,319	3%	21,448

Sustain + Recap + BOS (2005$)

Base	Start	Finish	Change	%Change	Chg/Per
CARSON	126,634,090	144,996,129	18,362,038	15%	3,935
HOOD	191,443,652	185,139,309	-6,304,342	-3%	1,384
TOTAL	318,077,742	330,135,438	12,057,696	4%	109,615

Plant Replacement Value (2005$)

Base	Start	Finish	Change	%Change	Chg/Per
CARSON	3,126,577,410	3,393,744,136	267,166,726	9%	57,258
HOOD	5,432,548,120	5,408,391,241	-24,156,878	0%	5,302
TOTAL	8,559,125,530	8,802,135,377	243,009,847	3%	2,209,180

COBRA PERSONNEL/SF/SUSTAINMENT/RECAP/BOS DELTAS REPORT (COBRA v6.08) - Page 2
Data As Of 03/25/2005 4:43:30 PM, Report Created 03/25/2005 5:05:31 PM

Department : U.S. Army
Scenario File : J:\Candidate Recommendations\USA\AC\USA-0224 Realign Fort Hood\Criterion 5\661 - Realign Hood Hvy BCT Carson.CBR
Option Pkg Name: 661 - Realign Hood Hvy BCT Carson
Std Fctrs File : D:\Army COBRA 6.08\BRAC2005.SFF

* "Start" and "Finish" values for Personnel and BOS both include the Programmed Installation Population (non-BRAC) Changes, so that only changes attributable to the BRAC action are reflected in the "Change" columns of this report.

TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.08) - Page 1/9
Data As Of 03/25/2005 4:43:30 PM, Report Created 03/25/2005 5:05:32 PM

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Std Fctrs File : D:\Army COBRA 6.08\BRAC2005.SFF

ONE-TIME COSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	24,045	0	267,167	0	0	0	291,212
O&M							
CIV SALARY							
Civ RIF	0	0	0	1,377	0	0	1,377
Civ Retire	0	0	0	60	0	0	60
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
PPP	0	0	0	426	0	0	426
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	279	0	0	279
Freight	0	0	0	4,120	0	0	4,120
Vehicles	0	0	0	4,275	0	0	4,275
Unemployment	0	0	0	107	0	0	107
OTHER							
Info Tech	0	0	400	895	0	0	1,295
Prog Manage	1,752	1,314	985	739	0	0	4,791
Supt Contrac	0	0	0	0	0	0	0
Mothball	0	0	0	111	0	0	111
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	1,274	0	0	1,274
POV Miles	0	0	0	731	0	0	731
HHG	0	0	0	8,963	0	0	8,963
Misc	0	0	0	4,475	0	0	4,475
OTHER							
Elim PCS	0	0	0	150	0	0	150
OTHER							
HAP / RSE	0	0	0	4,212	0	0	4,212
Environmental	0	520	0	0	0	0	520
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	170,818	0	0	0	170,818
TOTAL ONE-TIME	25,797	1,834	439,370	32,195	0	0	499,197

TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.08) - Page 2/9
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Department : U.S. Army
Scenario File : J:\Candidate Recommendations\USA\AC\USA-0224 Realign Fort Hood\Criterion 5\661 - Realign Hood Hvy BCT Carson.CBR
Option Pkg Name: 661 - Realign Hood Hvy BCT Carson
Std Fctrs File : D:\Army COBRA 6.08\BRAC2005.SFF

RECURRINGCOSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
O&M								
Sustainment	0	0	5,323	5,323	5,323	5,323	21,293	5,323
Recap	0	0	2,594	2,594	2,594	2,594	10,375	2,594
BOS	0	0	0	10,445	10,445	10,445	31,335	10,445
Civ Salary	0	0	0	6,350	12,700	12,700	31,751	12,700
TRICARE	0	0	0	26,973	26,973	26,973	80,920	26,973
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	27,905	27,905	27,905	83,716	27,905
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	7,917	79,591	85,941	85,941	259,390	85,941
TOTAL COST	25,797	1,834	447,287	111,786	85,941	85,941	758,586	85,941

ONE-TIME SAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	8,551	0	0	8,551
OTHER							
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	8,551	0	0	8,551

RECURRINGSAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	287	287	287	863	287
Recap	0	0	0	234	234	234	703	234
BOS	0	0	0	5,782	5,782	5,782	17,347	5,782
Civ Salary	0	0	0	1,928	3,857	3,857	9,642	3,857
MIL PERSONNEL								
Off Salary	0	0	0	562	1,125	1,125	2,812	1,125
Enl Salary	0	0	0	577	1,153	1,153	2,884	1,153
House Allow	0	0	0	24,705	24,705	24,705	74,115	24,705
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	34,077	37,144	37,144	108,365	37,144
TOTAL SAVINGS	0	0	0	42,628	37,144	37,144	116,916	37,144

TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.08) - Page 3/9
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Department : U.S. Army
Scenario File : J:\Candidate Recommendations\USA\AC\USA-0224 Realign Fort Hood\Criterion 5\661 - Realign Hood Hvy BCT Carson.CBR
Option Pkg Name: 661 - Realign Hood Hvy BCT Carson
Std Fctrs File : D:\Army COBRA 6.08\BRAC2005.SFF

ONE-TIME NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	24,045	0	267,167	0	0	0	291,212
O&M							
Civ Retir/RIF	0	0	0	1,437	0	0	1,437
Civ Moving	0	0	0	9,100	0	0	9,100
Info Tech	0	0	400	895	0	0	1,295
Other	1,752	1,314	985	957	0	0	5,008
MIL PERSONNEL							
Mil Moving	0	0	0	7,043	0	0	7,043
OTHER							
HAP / RSE	0	0	0	4,212	0	0	4,212
Environmental	0	520	0	0	0	0	520
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	170,818	0	0	0	170,818
TOTAL ONE-TIME	25,797	1,834	439,370	23,644	0	0	490,125

RECURRING NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	5,323	5,036	5,036	5,036	20,430	5,036
Recap	0	0	2,594	2,359	2,359	2,359	9,672	2,359
BOS	0	0	0	4,663	4,663	4,663	13,988	4,663
Civ Salary	0	0	0	4,422	8,844	8,844	22,109	8,844
TRICARE	0	0	0	26,973	26,973	26,973	80,920	26,973
MIL PERSONNEL								
Mil Salary	0	0	0	-1,139	-2,278	-2,278	-5,696	-2,278
House Allow	0	0	0	3,200	3,200	3,200	9,601	3,200
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	7,917	45,514	48,797	48,797	151,024	48,797
TOTAL NET COST	25,797	1,834	447,287	69,158	48,797	48,797	641,670	48,797

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.08) - Page 4/9
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Department : U.S. Army
Scenario File : J:\Candidate Recommendations\USA\AC\USA-0224 Realign Fort Hood\Criterion 5\661 - Realign Hood Hvy BCT Carson.CBR
Option Pkg Name: 661 - Realign Hood Hvy BCT Carson
Std Fctrs File : D:\Army COBRA 6.08\BRAC2005.SFF

Base: CARSON, CO (08135)

ONE-TIME COSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	24,045	0	267,167	0	0	0	291,212
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
PPP	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
Unemployment	0	0	0	0	0	0	0
OTHER							
Info Tech	0	0	400	0	0	0	400
Prog Manage	0	0	0	0	0	0	0
Supt Contrac	0	0	0	0	0	0	0
Mothball	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	520	0	0	0	0	520
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	170,818	0	0	0	170,818
TOTAL ONE-TIME	24,045	520	438,385	0	0	0	462,950

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.08) - Page 5/9
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Department : U.S. Army
Scenario File : J:\Candidate Recommendations\USA\AC\USA-0224 Realign Fort Hood\Criterion 5\661 - Realign Hood Hvy BCT Carson.CBR
Option Pkg Name: 661 - Realign Hood Hvy BCT Carson
Std Fctrs File : D:\Army COBRA 6.08\BRAC2005.SFF

Base: CARSON, CO (08135)

RECURRINGCOSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
O&M								
Sustainment	0	0	5,323	5,323	5,323	5,323	21,293	5,323
Recap	0	0	2,594	2,594	2,594	2,594	10,375	2,594
BOS	0	0	0	10,445	10,445	10,445	31,335	10,445
Civ Salary	0	0	0	6,350	12,700	12,700	31,751	12,700
TRICARE	0	0	0	26,973	26,973	26,973	80,920	26,973
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	27,905	27,905	27,905	83,716	27,905
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	7,917	79,591	85,941	85,941	259,390	85,941
TOTAL COSTS	24,045	520	446,302	79,591	85,941	85,941	722,340	85,941

ONE-TIME SAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	0	0	0	0
OTHER							
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0

RECURRINGSAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	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 Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL SAVINGS	0	0	0	0	0	0	0	0

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.08) - Page 6/9
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Department : U.S. Army
Scenario File : J:\Candidate Recommendations\USA\AC\USA-0224 Realign Fort Hood\Criterion 5\661 - Realign Hood Hvy BCT Carson.CBR
Option Pkg Name: 661 - Realign Hood Hvy BCT Carson
Std Fctrs File : D:\Army COBRA 6.08\BRAC2005.SFF

Base: CARSON, CO (08135)

ONE-TIME NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	24,045	0	267,167	0	0	0	291,212
O&M							
Civ Retir/RIF	0	0	0	0	0	0	0
Civ Moving	0	0	0	0	0	0	0
Info Tech	0	0	400	0	0	0	400
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	520	0	0	0	0	520
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	170,818	0	0	0	170,818
TOTAL ONE-TIME	24,045	520	438,385	0	0	0	462,950

RECURRING NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	5,323	5,323	5,323	5,323	21,293	5,323
Recap	0	0	2,594	2,594	2,594	2,594	10,375	2,594
BOS	0	0	0	10,445	10,445	10,445	31,335	10,445
Civ Salary	0	0	0	6,350	12,700	12,700	31,751	12,700
TRICARE	0	0	0	26,973	26,973	26,973	80,920	26,973
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	27,905	27,905	27,905	83,716	27,905
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	7,917	79,591	85,941	85,941	259,390	85,941
TOTAL NET COST	24,045	520	446,302	79,591	85,941	85,941	722,340	85,941

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.08) - Page 7/9
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Department : U.S. Army
Scenario File : J:\Candidate Recommendations\USA\AC\USA-0224 Realign Fort Hood\Criterion 5\661 - Realign Hood Hvy BCT Carson.CBR
Option Pkg Name: 661 - Realign Hood Hvy BCT Carson
Std Fctrs File : D:\Army COBRA 6.08\BRAC2005.SFF

Base: HOOD, TX (48396)

ONE-TIME COSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	0	1,377	0	0	1,377
Civ Retire	0	0	0	60	0	0	60
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
PPP	0	0	0	426	0	0	426
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	279	0	0	279
Freight	0	0	0	4,120	0	0	4,120
Vehicles	0	0	0	4,275	0	0	4,275
Unemployment	0	0	0	107	0	0	107
OTHER							
Info Tech	0	0	0	895	0	0	895
Prog Manage	1,752	1,314	985	739	0	0	4,791
Supt Contrac	0	0	0	0	0	0	0
Mothball	0	0	0	111	0	0	111
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	1,274	0	0	1,274
POV Miles	0	0	0	731	0	0	731
HHG	0	0	0	8,963	0	0	8,963
Misc	0	0	0	4,475	0	0	4,475
OTHER							
Elim PCS	0	0	0	150	0	0	150
OTHER							
HAP / RSE	0	0	0	4,212	0	0	4,212
Environmental	0	0	0	0	0	0	0
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	1,752	1,314	985	32,195	0	0	36,247

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.08) - Page 8/9
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Department : U.S. Army
Scenario File : J:\Candidate Recommendations\USA\AC\USA-0224 Realign Fort Hood\Criterion 5\661 - Realign Hood Hvy BCT Carson.CBR
Option Pkg Name: 661 - Realign Hood Hvy BCT Carson
Std Fctrs File : D:\Army COBRA 6.08\BRAC2005.SFF

Base: HOOD, TX (48396)

RECURRINGCOSTS -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL COSTS	1,752	1,314	985	32,195	0	0	36,247	0

ONE-TIME SAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
Mil Moving	0	0	0	8,551	0	0	8,551
OTHER							
Environmental	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	8,551	0	0	8,551

RECURRINGSAVES -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	287	287	287	863	287
Recap	0	0	0	234	234	234	703	234
BOS	0	0	0	5,782	5,782	5,782	17,347	5,782
Civ Salary	0	0	0	1,928	3,857	3,857	9,642	3,857
MIL PERSONNEL								
Off Salary	0	0	0	562	1,125	1,125	2,812	1,125
Enl Salary	0	0	0	577	1,153	1,153	2,884	1,153
House Allow	0	0	0	24,705	24,705	24,705	74,115	24,705
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	34,077	37,144	37,144	108,365	37,144
TOTAL SAVINGS	0	0	0	42,628	37,144	37,144	116,916	37,144

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.08) - Page 9/9
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Department : U.S. Army
Scenario File : J:\Candidate Recommendations\USA\AC\USA-0224 Realign Fort Hood\Criterion 5\661 - Realign Hood Hvy BCT Carson.CBR
Option Pkg Name: 661 - Realign Hood Hvy BCT Carson
Std Fctrs File : D:\Army COBRA 6.08\BRAC2005.SFF

Base: HOOD, TX (48396)

ONE-TIME NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
Civ Retir/RIF	0	0	0	1,437	0	0	1,437
Civ Moving	0	0	0	9,100	0	0	9,100
Info Tech	0	0	0	895	0	0	895
Other	1,752	1,314	985	957	0	0	5,008
MIL PERSONNEL							
Mil Moving	0	0	0	7,043	0	0	7,043
OTHER							
HAP / RSE	0	0	0	4,212	0	0	4,212
Environmental	0	0	0	0	0	0	0
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	1,752	1,314	985	23,644	0	0	27,696

RECURRING NET -----($K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	-287	-287	-287	-863	-287
Recap	0	0	0	-234	-234	-234	-703	-234
BOS	0	0	0	-5,782	-5,782	-5,782	-17,347	-5,782
Civ Salary	0	0	0	-1,928	-3,857	-3,857	-9,642	-3,857
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	-1,139	-2,278	-2,278	-5,696	-2,278
House Allow	0	0	0	-24,705	-24,705	-24,705	-74,115	-24,705
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	-34,077	-37,144	-37,144	-108,365	-37,144
TOTAL NET COST	1,752	1,314	985	-10,433	-37,144	-37,144	-80,670	-37,144

COBRA ECONOMIC IMPACT REPORT (COBRA v6.08)
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Department : U.S. Army
Scenario File : J:\Candidate Recommendations\USA\AC\USA-0224 Realign Fort Hood\Criterion 5\661 - Realign Hood Hvy BCT Carson.CBR
Option Pkg Name: 661 - Realign Hood Hvy BCT Carson
Std Fctrs File : D:\Army COBRA 6.08\BRAC2005.SFF

CARSON, CO (08135)

	2006	2007	2008	2009	2010	2011	Total
Jobs Gained-Mil	0	0	0	4,475	0	0	4,475
Jobs Lost-Mil	0	0	0	0	0	0	0
NET CHANGE-Mil	0	0	0	4,475	0	0	4,475
Jobs Gained-Civ	0	0	0	191	0	0	191
Jobs Lost-Civ	0	0	0	0	0	0	0
NET CHANGE-Civ	0	0	0	191	0	0	191
Jobs Gained-Stu	0	0	0	0	0	0	0
Jobs Lost-Stu	0	0	0	0	0	0	0
NET CHANGE-Stu	0	0	0	0	0	0	0

HOOD, TX (48396)

	2006	2007	2008	2009	2010	2011	Total
Jobs Gained-Mil	0	0	0	0	0	0	0
Jobs Lost-Mil	0	0	0	4,498	0	0	4,498
NET CHANGE-Mil	0	0	0	-4,498	0	0	-4,498
Jobs Gained-Civ	0	0	0	0	0	0	0
Jobs Lost-Civ	0	0	0	58	0	0	58
NET CHANGE-Civ	0	0	0	-58	0	0	-58
Jobs Gained-Stu	0	0	0	0	0	0	0
Jobs Lost-Stu	0	0	0	0	0	0	0
NET CHANGE-Stu	0	0	0	0	0	0	0

COBRA INPUT DATA REPORT (COBRA v6.08)
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INPUT SCREEN ONE - GENERAL SCENARIO INFORMATION

Model Year One : FY 2006
Model does Time-Phasing of Construction/Shutdown: Yes

Base Name, ST (Code)	Strategy:
CARSON, CO (08135)	Realignment
HOOD, TX (48396)	Realignment

INPUT SCREEN TWO - DISTANCE TABLE
(Only shows distances where personnel or equipment are moving)

Point A:	Point B:	Distance:
CARSON, CO (08135)	HOOD, TX (48396)	817 mi

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from HOOD, TX (48396) to CARSON, CO (08135)

	2006	2007	2008	2009	2010	2011
Officer Positions:	0	0	0	540	0	0
Enlisted Positions:	0	0	0	3,935	0	0
Civilian Positions:	0	0	0	0	0	0
Student Positions:	0	0	0	0	0	0
NonVeh Missn Eqpt(tons):	0	0	0	0	0	0
Suppt Eqpt (tons):	0	0	0	4,484	0	0
Mil Light Vehic (tons):	0	0	0	1,760	0	0
Heavy/Spec Vehic (tons):	0	0	0	201	0	0

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: CARSON, CO (08135)

Total Officer Employees:	1,492	Base Service (for BOS/Sust):	Army
Total Enlisted Employees:	11,818	Total Sustainment($K/Year):	39,063
Total Student Employees:	34	Sustain Payroll ($K/Year):	0
Total Civilian Employees:	1,884	BOS Non-Payroll ($K/Year):	57,216
Accomp Mil not Receiving BAH:	0.0%	BOS Payroll ($K/Year):	77,214
Officer Housing Units Avail:	0	Family Housing ($K/Year):	0
Enlisted Housing Units Avail:	0	Installation PRV($K):	3,126,577
Starting Facilities(KSF):	20,840	Svc/Agcy Recap Rate (Years):	103
Officer BAH ($/Month):	1,166	Homeowner Assistance Program:	Yes
Enlisted BAH ($/Month):	865		
Civ Locality Pay Factor:	1.109		
Area Cost Factor:	1.11		
Per Diem Rate ($/Day):	122		
Freight Cost ($/Ton/Mile):	0.33		
Vehicle Cost ($/Lift/Mile):	4.84		
Latitude:	38.683330		
Longitude:	-104.766670		

TRICARE	In-Pat Admits	Out-Pat Visits	Prescrip
CostFactor	6,429.00	208.00	57.07
Actv MTF	3,144	319,045	209,038
Actv Purch	1,156	80	
Retiree	558	82,727	160,825
Retiree65+	284	42,345	147,379

COBRA INPUT DATA REPORT (COBRA v6.08) - Page 2
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Option Pkg Name: 661 - Realign Hood Hvy BCT Carson
Std Fctrs File : D:\Army COBRA 6.08\BRAC2005.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: HOOD, TX (48396)

Total Officer Employees:	4,532	Base Service (for BOS/Sust):	Army
Total Enlisted Employees:	35,218	Total Sustainment($K/Year):	64,836
Total Student Employees:	493	Sustain Payroll ($K/Year):	163
Total Civilian Employees:	3,982	BOS Non-Payroll ($K/Year):	69,241
Accomp Mil not Receiving BAH:	0.0%	BOS Payroll ($K/Year):	100,833
Officer Housing Units Avail:	0	Family Housing ($K/Year):	0
Enlisted Housing Units Avail:	0	Installation PRV($K):	5,432,548
Starting Facilities(KSF):	55,322	Svc/Agcy Recap Rate (Years):	103
Officer BAH ($/Month):	901	Homeowner Assistance Program:	Yes
Enlisted BAH ($/Month):	784		
Civ Locality Pay Factor:	1.109		
Area Cost Factor:	0.85		
Per Diem Rate ($/Day):	94		
Freight Cost ($/Ton/Mile):	0.33		
Vehicle Cost ($/Lift/Mile):	4.84		
Latitude:	31.133330		
Longitude:	-97.766670		

TRICARE	In-Pat Admits	Out-Pat Visits	Prescrip
CostFactor	5,945.00	106.00	43.04
Actv MTF	8,951	842,897	696,450
Actv Purch	1,081	60,812	
Retiree	1,079	95,747	285,133
Retiree65+	310	16,504	160,888

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: CARSON, CO (08135)

	2006	2007	2008	2009	2010	2011
1-Time Unique Cost ($K):	0	0	170,818	0	0	0
1-Time Unique Save ($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($K):	0	520	0	0	0	0
Activ Mission Cost ($K):	0	0	0	0	0	0
Activ Mission Save ($K):	0	0	0	0	0	0
Misn Contract Start($K):	0	0	0	0	0	0
Misn Contract Term ($K):	0	0	0	0	0	0
Supt Contract Term ($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
One-Time IT Costs ($K):	0	0	400	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
Misn Milcon Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0

MTF Closure Action: None Fac ShDn(KSF): 0 FH ShDn: 0.000%

COBRA INPUT DATA REPORT (COBRA v6.08) - Page 3
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Std Fctrs File : D:\Army COBRA 6.08\BRAC2005.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: HOOD, TX (48396)

	2006	2007	2008	2009	2010	2011
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 ($K):	0	0	0	0	0	0
Misn Contract Start($K):	0	0	0	0	0	0
Misn Contract Term ($K):	0	0	0	0	0	0
Supt Contract Term ($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
One-Time IT Costs ($K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
Misn Milcon Avoidnc($K):	0	0	0	0	0	0
Procurement Avoidnc($K):	0	0	0	0	0	0

MTF Closure Action: None Fac ShDn(KSF): 246 FH ShDn: 0.000%

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: CARSON, CO (08135)

	2006	2007	2008	2009	2010	2011
Off Scenario Change:	0	0	0	0	0	0
Enl Scenario Change:	0	0	0	0	0	0
Civ Scenario Change:	0	0	0	191	0	0
Off Prog nonBRAC Change:	0	0	0	0	0	0
Enl Prog nonBRAC Change:	0	0	0	0	0	0
Civ Prog nonBRAC Change:	0	0	0	0	0	0
Stu Prog nonBRAC Change:	0	0	0	0	0	0
Prog FH Privatization:	100%	0%	0%	0%	0%	0%

Name: HOOD, TX (48396)

	2006	2007	2008	2009	2010	2011
Off Scenario Change:	0	0	0	-9	0	0
Enl Scenario Change:	0	0	0	-14	0	0
Civ Scenario Change:	0	0	0	-58	0	0
Off Prog nonBRAC Change:	327	12	0	0	0	0
Enl Prog nonBRAC Change:	3,420	30	0	0	0	0
Civ Prog nonBRAC Change:	0	0	0	0	0	0
Stu Prog nonBRAC Change:	-27	9	0	0	0	0
Prog FH Privatization:	100%	0%	0%	0%	0%	0%

COBRA INPUT DATA REPORT (COBRA v6.08) - Page 4
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INPUT SCREEN SEVEN - BASE MILITARY CONSTRUCTION INFORMATION

Name: CARSON, CO (08135)

FAC	UM	New MilCon	Rehab MilCon	TotCost($K)	FPG Con CF	FPG Sust CF
1713	SF	12,000	0 Default	0	128.72	3.89
1717	SF	18,000	0 Default	0	128.72	4.49
2141	SF	332,000	0 Default	0	144.86	3.01
6101	SF	339,000	0 Default	0	151.95	3.83
6102	SF	44,000	0 Default	0	157.22	4.24
7210	SF	671,000	0 Default	0	149.92	4.16
8521	SY	72,000	0 Default	0	45.83	1.07
7346	SF	10,236	0 Default	0	109.40	3.15

STANDARD FACTORS SCREEN ONE - PERSONNEL

SF File Descrip:

Perc Officers Accompanied:	72.00%	Priority Placement Program:	39.97%
Perc Enlisted Accompanied:	55.00%	PPP Actions Involving PCS:	50.70%
Officer Salary($/Year):	124,971.93	Civilian PCS Costs ($):	35,496.00
Enlisted Salary($/Year):	82,399.09	Home Sale Reimburse Rate:	10.00%
Civilian Salary($/Year):	59,959.18	Max Home Sale Reimburs($):	50,000.00
Avg Unemploy Cost($/Week):	272.90	Home Purch Reimburse Rate:	5.00%
Unemployment Eligibility(Weeks):	16	Max Home Purch Reimburs($):	25,000.00
Civilians Not Willing To Move:	6.00%	Civilian Homeowning Rate:	68.40%
Civilian Turnover Rate:	9.16%	HAP Home Value Reimburse Rate:	13.46%
Civilian Early Retire Rate:	8.10%	HAP Homeowner Receiving Rate:	18.44%
Civilian Regular Retire Rate:	1.67%	RSE Home Value Reimburse Rate:	0.00%
Civilian RIF Pay Factor:	86.32%	RSE Homeowner Receiving Rate:	0.00%
Civ Early Retire Pay Factor:	18.03%		

STANDARD FACTORS SCREEN TWO - FACILITIES

	Army	Navy	Air Force	Marines
Service Sustainment Rate	87.00%	93.00%	92.00%	97.00%
Unit Cost Adjustment (BOS)	10332.00	8879.00	3032.00	3904.00

Program Management Factor:	10.00	MilCon Site Prep Cost ($/SF):	0.74
Mothball (Close) ($/SF):	0.18	MilCon Contingency Plan Rate:	5.00%
Mothball (Deac/Realn) ($/SF):	0.45	MilCon Design Rate (Medical):	13.00%
Rehab vs. MilCon (Default):	47.00%	MilCon Design Rate (Other):	9.00%
Rehab vs. MilCon (Red):	64.00%	MilCon SIOH Rate:	6.00%
Rehab vs. MilCon (Amber):	29.00%	Discount Rate for NPV/Payback:	3.15%

STANDARD FACTORS SCREEN THREE - TRANSPORTATION

Material/Assigned Mil (Lb):	710	Storage-In-Transit ($/Pers):	373.76
HHG Per Off Accomp (Lb):	15,290.00	POV Reimburse($/Mile):	0.20
HHG Per Enl Accomp (Lb):	9,204.00	Air Transport ($/Pass Mile):	0.20
HHG Per Off Unaccomp (Lb):	13,712.00	IT Connect ($/Person):	200.00
HHG Per Enl Unaccomp (Lb):	6,960.00	Misc Exp($/Direct Employee):	1,000.00
HHG Per Civilian (Lb):	18,000.00	Avg Mil Tour Length (Months):	30.02
Total HHG Cost ($/100Lb):	8.78	One-Time Off PCS Cost($):	10,477.58
Equip Pack & Crate($/Ton):	180.67	One-Time Enl PCS Cost($):	3,998.52

COBRA INPUT DATA REPORT (COBRA v6.08) - Page 5
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FOOTNOTES FOR SCREEN ONE
==========
PIMS 661 - USA # 0224

Realign Fort Hood, TX by relocating a Brigade Combat Team (BCT), UEx Headquarters and Sustainment Brigade to Fort Carson, CO.

FOOTNOTES FOR SCREEN THREE
==========
Moves HVY BCT to Carson (321 OFF and 3436 ENL).

Moves DISCOM and Division HQs and Band (219 OFF, 499 ENL) that converts to a Sustainment Bde and UEx HQ.

Total personnel is 540 Off and 3935 ENL.

FOOTNOTES FOR SCREEN FIVE
==========
Additional range construction cost is $39,839K.
Government investment for RCI is $79,438K.
Supporty Utilities cost is $51,541K.
Total one time costs in FY 08 is $170,818K
Environmental costs = One-time NEPA cost of $400K, New Source Review $100K, Noise analysis $20K.

IT cost is $400.1K Minimal

Assumed facility shutdown at Fort Hood for Division HQ and DISCOM HQs only. The facilities requirements for the newly activated BCT were met using some temporary facilities and swing space from deployed units.

FOOTNOTES FOR SCREEN SIX
==========
Increase in Civilian BASOPS personnel at Fort Carson is 191.
Decrease in BASOPS personnel at Fort Hood is 9 Off, 14 Enl and 58 Civ.

The activation of the Heavy BCT at Fort Hood in FY06 equals 3757 soldiers (321 OFF and 3436 ENL). These were added to the programmed changes already included for Fort Hood in FY 06 (+6 OFF and -16 ENL). The DISCOM and Div HQ equals 219 OFF, 499 ENL.

The reduction in military positions at Fort Hood does not reflect the Army initiative to convert military to civilian in the Base Operations functions. Approximately 2 of the reduced positions have been converted to civilian since FY03.")

TOTAL COBRA MILITARY CONSTRUCTION ASSETS REPORT (COBRA v6.08)
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Std Fctrs File : D:\Army COBRA 6.08\BRAC2005.SFF

All values in 2005 Constant Dollars

Base Name	Total MilCon*	Milcon Cost Avoidence	Total Net Costs
CARSON	291,211,731	0	291,211,731
HOOD	0	0	0
Totals:	291,211,731	0	291,211,731

* All MilCon Costs include Design, Site Preparation, Contingency Planning, and SIOH Costs where applicable.

COBRA MILITARY CONSTRUCTION ASSETS REPORT (COBRA v6.08) - Page 2
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MilCon for Base: CARSON, CO (08135)

All values in 2005 Constant Dollars ($K)

FAC	Title	UM	New MilCon	New Cost*	Using Rehab	Rehab Type	Rehab Cost*	Total Cost*
1713	Band Training Facility	SF	12,000	2,090	0	Default	0	2,090
1717	Organizational Classroom	SF	18,000	3,134	0	Default	0	3,134
2141	Vehicle Maintenance Shop	SF	332,000	65,031	0	Default	0	65,031
6101	Small Unit Headquarters Building	SF	339,000	69,639	0	Default	0	69,639
6102	Large Unit Headquarters Building	SF	44,000	9,351	0	Default	0	9,351
7210	Enlisted Unaccompanied Personnel Housing	SF	671,000	136,006	0	Default	0	136,006
8521	Vehicle Parking, Surfaced	SY	72,000	4,443	0	Default	0	4,443
7346	Exchange Sales Facility	SF	10,236	1,516	0	Default	0	1,516

Total Construction Cost:	291,212
- Construction Cost Avoid:	0
Total Net Milcon Cost:	291,212

* All MilCon Costs include Design, Site Preparation, Contingency Planning, and SIOH Costs where applicable.

COBRA NET PRESENT VALUES REPORT (COBRA v6.08)
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Year	Cost($)	Adjusted Cost($)	NPV($)
2006	25,797,087	25,400,137	25,400,137
2007	1,834,062	1,750,693	27,150,830
2008	447,287,542	413,917,436	441,068,267
2009	69,157,941	62,043,994	503,112,260
2010	48,796,679	42,440,327	545,552,587
2011	48,796,679	41,144,282	586,696,870
2012	48,796,679	39,887,816	626,584,686
2013	48,796,679	38,669,720	665,254,405
2014	48,796,679	37,488,822	702,743,227
2015	48,796,679	36,343,986	739,087,214
2016	48,796,679	35,234,112	774,321,325
2017	48,796,679	34,158,131	808,479,456
2018	48,796,679	33,115,008	841,594,464
2019	48,796,679	32,103,740	873,698,204
2020	48,796,679	31,123,354	904,821,559
2021	48,796,679	30,172,908	934,994,466
2022	48,796,679	29,251,486	964,245,952
2023	48,796,679	28,358,203	992,604,155
2024	48,796,679	27,492,198	1,020,096,354
2025	48,796,679	26,652,640	1,046,748,994

TOTAL COBRA ONE-TIME COST REPORT (COBRA v6.08) - Page 1/3
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(All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	291,211,731	
Total - Construction		291,211,731
Personnel		
Civilian RIF	1,377,558	
Civilian Early Retirement	59,945	
Eliminated Military PCS	150,277	
Unemployment	106,824	
Total - Personnel		1,694,604
Overhead		
Program Management Cost	4,790,850	
Support Contract Termination	0	
Mothball / Shutdown	110,700	
Total - Overhead		4,901,550
Moving		
Civilian Moving	0	
Civilian PPP	425,952	
Military Moving	15,443,636	
Freight	8,673,842	
Information Technologies	1,295,100	
One-Time Moving Costs	0	
Total - Moving		25,838,530
Other		
HAP / RSE	4,212,227	
Environmental Mitigation Costs	520,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	170,818,000	
Total - Other		175,550,227
Total One-Time Costs		499,196,643
One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	8,551,127	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		8,551,127
Total Net One-Time Costs		490,645,516

COBRA ONE-TIME COST REPORT (COBRA v6.08) - Page 2/3
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Option Pkg Name: 661 - Realign Hood Hvy BCT Carson
Std Fctrs File : D:\Army COBRA 6.08\BRAC2005.SFF

Base: CARSON, CO (08135)
(All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	291,211,731	
Total - Construction		291,211,731
Personnel		
Civilian RIF	0	
Civilian Early Retirement	0	
Eliminated Military PCS	0	
Unemployment	0	
Total - Personnel		0
Overhead		
Program Management Cost	0	
Support Contract Termination	0	
Mothball / Shutdown	0	
Total - Overhead		0
Moving		
Civilian Moving	0	
Civilian PPP	0	
Military Moving	0	
Freight	0	
Information Technologies	400,100	
One-Time Moving Costs	0	
Total - Moving		400,100
Other		
HAP / RSE	0	
Environmental Mitigation Costs	520,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	170,818,000	
Total - Other		171,338,000
Total One-Time Costs		462,949,831
One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		0
Total Net One-Time Costs		462,949,831

COBRA ONE-TIME COST REPORT (COBRA v6.08) - Page 3/3
Data As Of 03/25/2005 4:43:30 PM, Report Created 03/25/2005 5:05:31 PM

Department : U.S. Army
Scenario File : J:\Candidate Recommendations\USA\AC\USA-0224 Realign Fort Hood\Criterion 5\661 - Realign Hood Hvy BCT Carson.CBR
Option Pkg Name: 661 - Realign Hood Hvy BCT Carson
Std Fctrs File : D:\Army COBRA 6.08\BRAC2005.SFF

Base: HOOD, TX (48396)
(All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Total - Construction		0
Personnel		
Civilian RIF	1,377,558	
Civilian Early Retirement	59,945	
Eliminated Military PCS	150,277	
Unemployment	106,824	
Total - Personnel		1,694,604
Overhead		
Program Management Cost	4,790,850	
Support Contract Termination	0	
Mothball / Shutdown	110,700	
Total - Overhead		4,901,550
Moving		
Civilian Moving	0	
Civilian PPP	425,952	
Military Moving	15,443,636	
Freight	8,673,842	
Information Technologies	895,000	
One-Time Moving Costs	0	
Total - Moving		25,438,430
Other		
HAP / RSE	4,212,227	
Environmental Mitigation Costs	0	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	0	
Total - Other		4,212,227
Total One-Time Costs		36,246,812
One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	8,551,127	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		8,551,127
Total Net One-Time Costs		27,695,685

COBRA SUSTAINMENT/RECAP/BOS/HOUSING CHANGE REPORT (COBRA v6.08)
Data As Of 03/25/2005 4:43:30 PM, Report Created 03/25/2005 5:05:31 PM

Department : U.S. Army
Scenario File : J:\Candidate Recommendations\USA\AC\USA-0224 Realign Fort Hood\Criterion 5\661 - Realign Hood Hvy BCT Carson.CBR
Option Pkg Name: 661 - Realign Hood Hvy BCT Carson
Std Fctrs File : D:\Army COBRA 6.08\BRAC2005.SFF

Net Change($K)	2006	2007	2008	2009	2010	2011	Total	Beyond
Sustain Change	0	0	5,323	5,036	5,036	5,036	20,430	5,036
Recap Change	0	0	2,594	2,359	2,359	2,359	9,672	2,359
BOS Change	0	0	0	4,663	4,663	4,663	13,988	4,663
Housing Change	0	0	0	0	0	0	0	0
TOTAL CHANGES	0	0	7,917	12,058	12,058	12,058	44,090	12,058

CARSON, CO (08135)

Net Change($K)	2006	2007	2008	2009	2010	2011	Total	Beyond
Sustain Change	0	0	5,323	5,323	5,323	5,323	21,293	5,323
Recap Change	0	0	2,594	2,594	2,594	2,594	10,375	2,594
BOS Change	0	0	0	10,445	10,445	10,445	31,335	10,445
Housing Change	0	0	0	0	0	0	0	0
TOTAL CHANGES	0	0	7,917	18,362	18,362	18,362	63,003	18,362

HOOD, TX (48396)

Net Change($K)	2006	2007	2008	2009	2010	2011	Total	Beyond
Sustain Change	0	0	0	-287	-287	-287	-863	-287
Recap Change	0	0	0	-234	-234	-234	-703	-234
BOS Change	0	0	0	-5,782	-5,782	-5,782	-17,347	-5,782
Housing Change	0	0	0	0	0	0	0	0
TOTAL CHANGES	0	0	0	-6,304	-6,304	-6,304	-18,913	-6,304

TOTAL COBRA PERSONNEL IMPACT REPORT (COBRA v6.08) - Page 1/3
Data As Of 03/25/2005 4:43:30 PM, Report Created 03/25/2005 5:05:31 PM

Department : U.S. Army
Scenario File : J:\Candidate Recommendations\USA\AC\USA-0224 Realign Fort Hood\Criterion 5\661 - Realign Hood Hvy BCT Carson.CBR
Option Pkg Name: 661 - Realign Hood Hvy BCT Carson
Std Fctrs File : D:\Army COBRA 6.08\BRAC2005.SFF

	Rate	2006	2007	2008	2009	2010	2011	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	8.10%	0	0	0	0	0	0	0
Regular Retirement*	1.67%	0	0	0	0	0	0	0
Civilian Turnover*	9.16%	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	58	0	0	58
Early Retirement	8.10%	0	0	0	5	0	0	5
Regular Retirement	1.67%	0	0	0	1	0	0	1
Civilian Turnover	9.16%	0	0	0	5	0	0	5
Civs Not Moving (RIFs)*	6.00%	0	0	0	3	0	0	3
Priority Placement#	39.97%	0	0	0	23	0	0	23
Civilians Available to Move		0	0	0	21	0	0	21
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	21	0	0	21
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	191	0	0	191
TOTAL CIVILIAN EARLY RETIREMENTS		0	0	0	5	0	0	5
TOTAL CIVILIAN RIFS		0	0	0	24	0	0	24
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	23	0	0	23
TOTAL CIVILIAN NEW HIRES		0	0	0	191	0	0	191

* 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 PPP placements involving a PCS is 50.70%

COBRA PERSONNEL IMPACT REPORT (COBRA v6.08) - Page 2/3
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Department : U.S. Army
Scenario File : J:\Candidate Recommendations\USA\AC\USA-0224 Realign Fort Hood\Criterion 5\661 - Realign Hood Hvy BCT Carson.CBR
Option Pkg Name: 661 - Realign Hood Hvy BCT Carson
Std Fctrs File : D:\Army COBRA 6.08\BRAC2005.SFF

Base: CARSON, CO (08135)	Rate	2006	2007	2008	2009	2010	2011	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	8.10%	0	0	0	0	0	0	0
Regular Retirement*	1.67%	0	0	0	0	0	0	0
Civilian Turnover*	9.16%	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	8.10%	0	0	0	0	0	0	0
Regular Retirement	1.67%	0	0	0	0	0	0	0
Civilian Turnover	9.16%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Priority Placement#	39.97%	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	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	191	0	0	191
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	191	0	0	191

* 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 PPP placements involving a PCS is 50.70%

COBRA PERSONNEL IMPACT REPORT (COBRA v6.08) - Page 3/3
Data As Of 03/25/2005 4:43:30 PM, Report Created 03/25/2005 5:05:31 PM

Department : U.S. Army
Scenario File : J:\Candidate Recommendations\USA\AC\USA-0224 Realign Fort Hood\Criterion 5\661 - Realign Hood Hvy BCT Carson.CBR
Option Pkg Name: 661 - Realign Hood Hvy BCT Carson
Std Fctrs File : D:\Army COBRA 6.08\BRAC2005.SFF

Base: HOOD, TX (48396)	Rate	2006	2007	2008	2009	2010	2011	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	8.10%	0	0	0	0	0	0	0
Regular Retirement*	1.67%	0	0	0	0	0	0	0
Civilian Turnover*	9.16%	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	58	0	0	58
Early Retirement	8.10%	0	0	0	5	0	0	5
Regular Retirement	1.67%	0	0	0	1	0	0	1
Civilian Turnover	9.16%	0	0	0	5	0	0	5
Civs Not Moving (RIFs)*	6.00%	0	0	0	3	0	0	3
Priority Placement#	39.97%	0	0	0	23	0	0	23
Civilians Available to Move		0	0	0	21	0	0	21
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	21	0	0	21
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	0	5	0	0	5
TOTAL CIVILIAN RIFS		0	0	0	24	0	0	24
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	23	0	0	23
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 PPP placements involving a PCS is 50.70%

COBRA TOTAL PERSONNEL SUMMARY REPORT (COBRA v6.08)
Data As Of 03/25/2005 4:43:30 PM, Report Created 03/25/2005 5:05:31 PM

Department : U.S. Army
Scenario File : J:\Candidate Recommendations\USA\AC\USA-0224 Realign Fort Hood\Criterion 5\661 - Realign Hood Hvy BCT Carson.CBR
Option Pkg Name: 661 - Realign Hood Hvy BCT Carson
Std Fctrs File : D:\Army COBRA 6.08\BRAC2005.SFF

TOTAL SCENARIO POPULATION (FY 2005):

Officers	Enlisted	Students	Civilians
6,024	47,036	527	5,866

TOTAL PROGRAMMED INSTALLATION (NON-BRAC) CHANGES, ENTIRE SCENARIO:

	2006	2007	2008	2009	2010	2011	Total
Officers	327	12	0	0	0	0	339
Enlisted	3,420	30	0	0	0	0	3,450
Students	-27	9	0	0	0	0	-18
Civilians	0	0	0	0	0	0	0
TOTAL	3,720	51	0	0	0	0	3,771

TOTAL SCENARIO POPULATION (FY 2005, Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
6,363	50,486	509	5,866

TOTAL PERSONNEL REALIGNMENTS, ENTIRE SCENARIO):

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	0	540	0	0	540
Enlisted	0	0	0	3,935	0	0	3,935
Students	0	0	0	0	0	0	0
Civilians	0	0	0	0	0	0	0
TOTAL	0	0	0	4,475	0	0	4,475

TOTAL SCENARIO POSITION CHANGES, ENTIRE SCENARIO:

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	0	-9	0	0	-9
Enlisted	0	0	0	-14	0	0	-14
Civilians	0	0	0	133	0	0	133
TOTAL	0	0	0	110	0	0	110

TOTAL SCENARIO POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
6,354	50,472	509	5,999

COBRA PERSONNEL SUMMARY REPORT (COBRA v6.08) - Page 2
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Option Pkg Name: 661 - Realign Hood Hvy BCT Carson
Std Fctrs File : D:\Army COBRA 6.08\BRAC2005.SFF

PERSONNEL SUMMARY FOR: CARSON, CO (08135)

BASE POPULATION (FY 2005, Prior to BRAC Action) FOR: CARSON, CO (08135)

Officers	Enlisted	Students	Civilians
1,492	11,818	34	1,884

PERSONNEL REALIGNMENTS:
From Base: HOOD, TX (48396)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	0	540	0	0	540
Enlisted	0	0	0	3,935	0	0	3,935
Students	0	0	0	0	0	0	0
Civilians	0	0	0	0	0	0	0
TOTAL	0	0	0	4,475	0	0	4,475

TOTAL PERSONNEL REALIGNMENTS (Into CARSON, CO (08135)):

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	0	540	0	0	540
Enlisted	0	0	0	3,935	0	0	3,935
Students	0	0	0	0	0	0	0
Civilians	0	0	0	0	0	0	0
TOTAL	0	0	0	4,475	0	0	4,475

SCENARIO POSITION CHANGES FOR: CARSON, CO (08135)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Civilians	0	0	0	191	0	0	191
TOTAL	0	0	0	191	0	0	191

BASE POPULATION (After BRAC Action) FOR: CARSON, CO (08135)

Officers	Enlisted	Students	Civilians
2,032	15,753	34	2,075

PERSONNEL SUMMARY FOR: HOOD, TX (48396)

BASE POPULATION (FY 2005):

Officers	Enlisted	Students	Civilians
4,532	35,218	493	3,982

PROGRAMMED INSTALLATION (NON-BRAC) CHANGES FOR: HOOD, TX (48396)

	2006	2007	2008	2009	2010	2011	Total
Officers	327	12	0	0	0	0	339
Enlisted	3,420	30	0	0	0	0	3,450
Students	-27	9	0	0	0	0	-18
Civilians	0	0	0	0	0	0	0
TOTAL	3,720	51	0	0	0	0	3,771

BASE POPULATION (Prior to BRAC Action) FOR: HOOD, TX (48396)

Officers	Enlisted	Students	Civilians
4,871	38,668	475	3,982

COBRA PERSONNEL SUMMARY REPORT (COBRA v6.08) - Page 3
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Department : U.S. Army
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Option Pkg Name: 661 - Realign Hood Hvy BCT Carson
Std Fctrs File : D:\Army COBRA 6.08\BRAC2005.SFF

PERSONNEL REALIGNMENTS:
To Base: CARSON, CO (08135)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	0	540	0	0	540
Enlisted	0	0	0	3,935	0	0	3,935
Students	0	0	0	0	0	0	0
Civilians	0	0	0	0	0	0	0
TOTAL	0	0	0	4,475	0	0	4,475

TOTAL PERSONNEL REALIGNMENTS (Out of HOOD, TX (48396)):

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	0	540	0	0	540
Enlisted	0	0	0	3,935	0	0	3,935
Students	0	0	0	0	0	0	0
Civilians	0	0	0	0	0	0	0
TOTAL	0	0	0	4,475	0	0	4,475

SCENARIO POSITION CHANGES FOR: HOOD, TX (48396)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	0	-9	0	0	-9
Enlisted	0	0	0	-14	0	0	-14
Civilians	0	0	0	-58	0	0	-58
TOTAL	0	0	0	-81	0	0	-81

BASE POPULATION (After BRAC Action) FOR: HOOD, TX (48396)

Officers	Enlisted	Students	Civilians
4,322	34,719	475	3,924

Economic Impact Report

This report depicts the economic impact of the following Scenarios:

USA-0224: Realign Fort Hood, TX

The data in this report is rolled up by Action

As of: Fri Mar 25 16:13:18 EST 2005

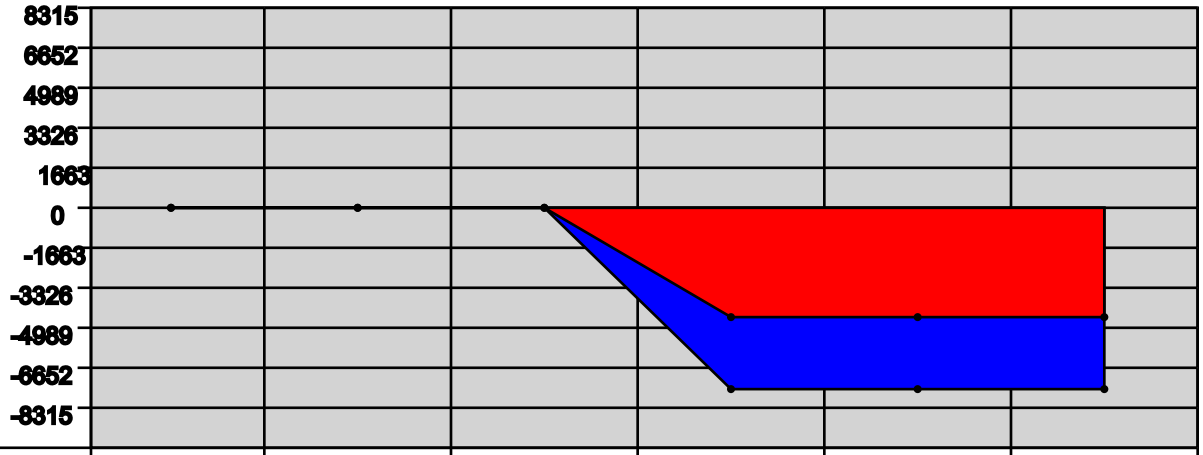
ECONOMIC IMPACT DATA

Scenario: Realign Fort Hood, TX
Economic Region of Influence(ROI): Killeen-Temple-Fort Hood, TX Metropolitan Statistical Area
Base: HOOD
Action: Relocate HVY BCT

Overall Economic Impact of Proposed BRAC-05 Action:

ROI Population (2002):	338,895
ROI Employment (2002):	186,916
Authorized Manpower (2005):	44,225
Authorized Manpower(2005) / ROI Employment(2002):	23.66%
Total Estimated Job Change:	-7,560
Total Estimated Job Change / ROI Employment(2002):	-4.04%

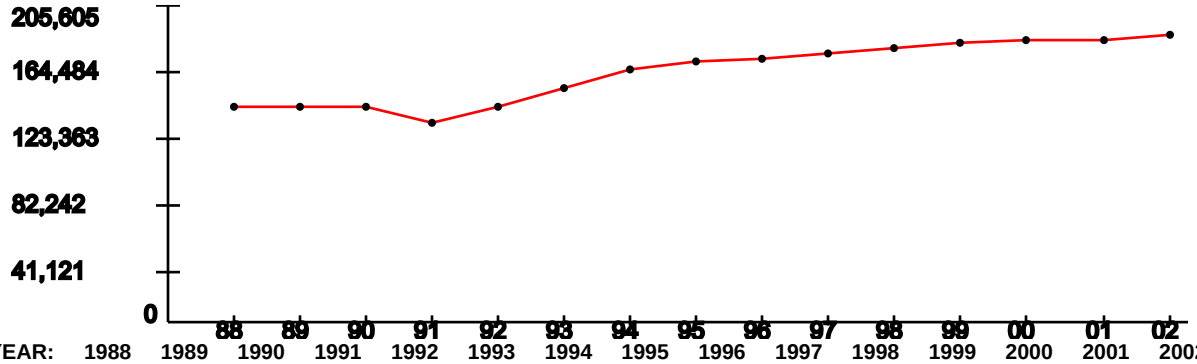
Cumulative Job Change (Gain/Loss) Over Time:



YEAR:	2006	2007	2008	2009	2010	2011
Direct Military:	0	0	0	-4498	0	0
Direct Civilian:	0	0	0	-58	0	0
Direct Student:	0	0	0	0	0	0
Direct Contractor:	0	0	0	0	0	0
Cumulative Direct:	0	0	0	-4556	-4556	-4556
Cum Indir/Induc:	0	0	0	-3004	-3004	-3004
Cumulative Total:	0	0	0	-7560	-7560	-7,560

Killeen-Temple-Fort Hood, TX Metropolitan Statistical Area Trend Data

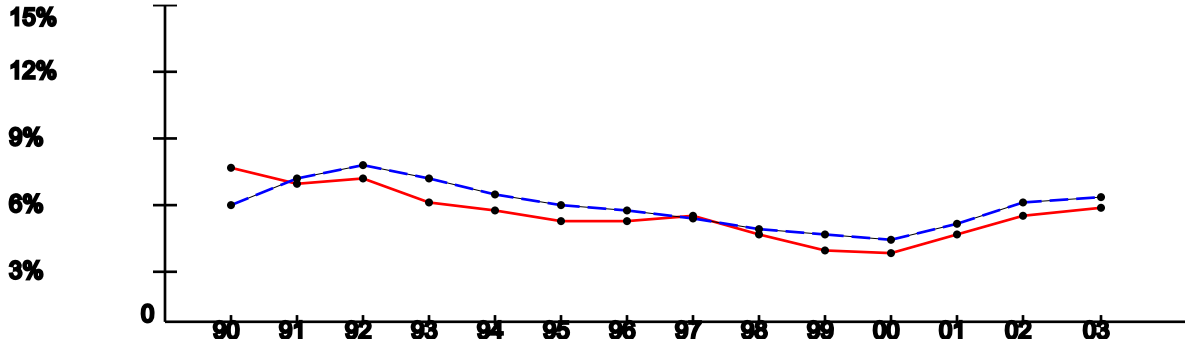
Employment Trend (1988-2002)



YEAR:	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Index:	1	1	0.99	0.92	1	1.09	1.17	1.21	1.22	1.24	1.27	1.29	1.31	1.3	1.33

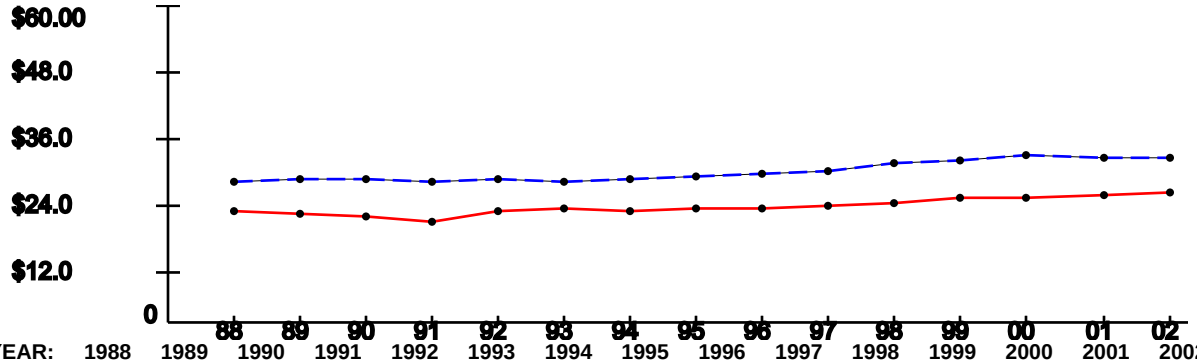
Represents the ROI's indexed employment change since 1988

Unemployment Percentage Trend (1990-2003)



YEAR:	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
ROI:	7.32%	6.62%	6.85%	5.77%	5.39%	4.9%	4.85%	5.12%	4.29%	3.44%	3.32%	4.23%	5.15%	5.49%
USA:	5.6%	6.83%	7.5%	6.91%	6.09%	5.59%	5.4%	4.94%	4.51%	4.21%	3.99%	4.74%	5.79%	5.99%

Per Capita Income x $1,000 (1988-2002)



YEAR:	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
ROI:	$21.61	$21.21	$20.46	$19.55	$21.69	$21.98	$21.69	$21.77	$22.1	$22.25	$22.83	$23.92	$24	$24.27	$24.84
USA:	$26.96	$27.48	$27.42	$26.87	$27.35	$27.18	$27.53	$27.86	$28.35	$29.04	$30.35	$30.86	$31.89	$31.72	$31.61

Note: National trend lines are dashed

As of: Fri Mar 25 16:13:18 EST 2005

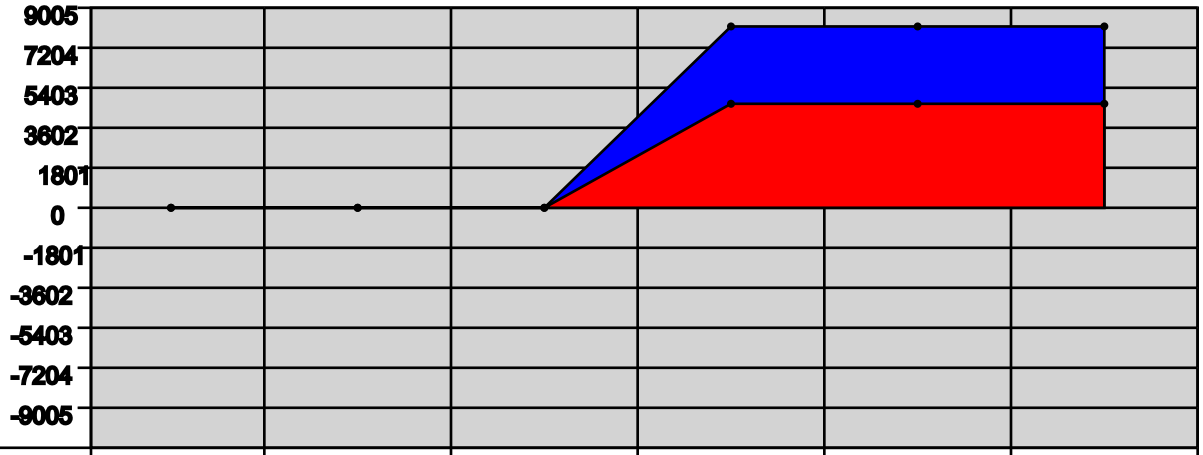
ECONOMIC IMPACT DATA

Scenario: Realign Fort Hood, TX
Economic Region of Influence(ROI): Colorado Springs, CO Metropolitan Statistical Area
Base: CARSON
Action: Station HVY BCT

Overall Economic Impact of Proposed BRAC-05 Action:

ROI Population (2002):	565,206
ROI Employment (2002):	349,783
Authorized Manpower (2005):	15,228
Authorized Manpower(2005) / ROI Employment(2002):	4.35%
Total Estimated Job Change:	8,189
Total Estimated Job Change / ROI Employment(2002):	2.34%

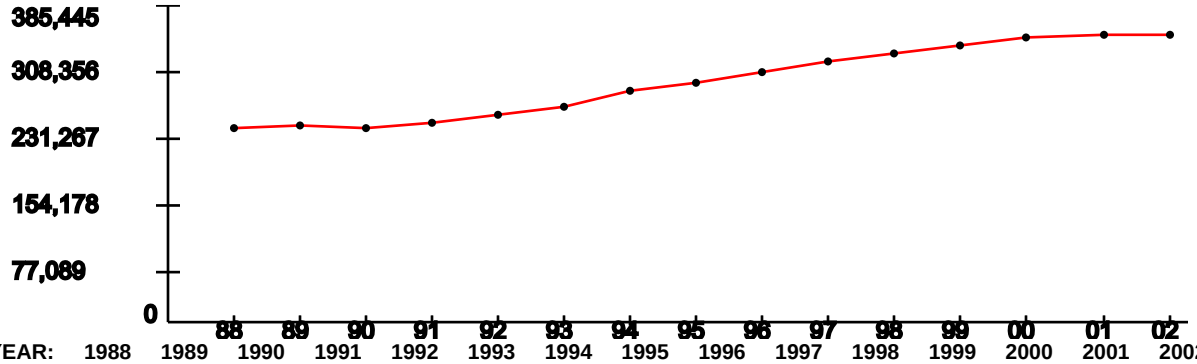
Cumulative Job Change (Gain/Loss) Over Time:



YEAR:	2006	2007	2008	2009	2010	2011
Direct Military:	0	0	0	4475	0	0
Direct Civilian:	0	0	0	191	0	0
Direct Student:	0	0	0	0	0	0
Direct Contractor:	0	0	0	0	0	0
Cumulative Direct:	0	0	0	4666	4666	4666
Cum Indir/Induc:	0	0	0	3523	3523	3523
Cumulative Total:	0	0	0	8189	8189	8,189

Colorado Springs, CO Metropolitan Statistical Area Trend Data

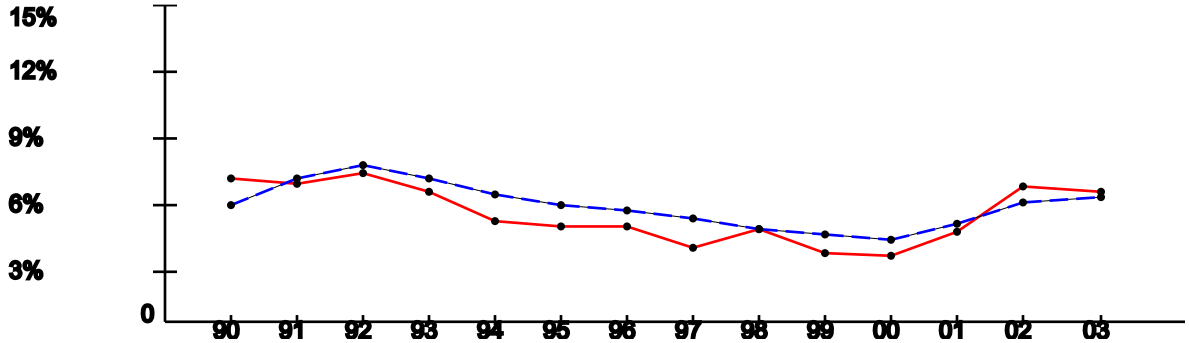
Employment Trend (1988-2002)



YEAR:	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Index:	1	1.01	1	1.02	1.06	1.11	1.18	1.23	1.29	1.34	1.38	1.42	1.47	1.47	1.47

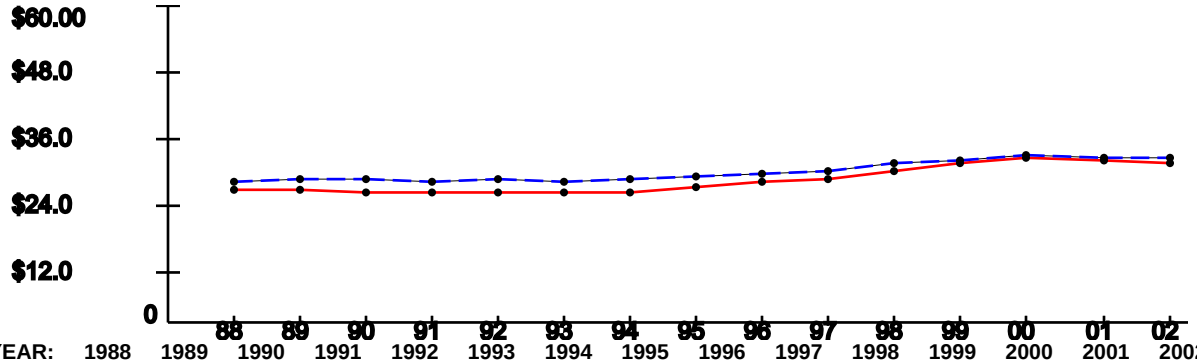
Represents the ROI's indexed employment change since 1988

Unemployment Percentage Trend (1990-2003)



YEAR:	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
ROI:	6.87%	6.59%	7.16%	6.23%	4.85%	4.6%	4.65%	3.64%	4.47%	3.32%	3.19%	4.39%	6.49%	6.31%
USA:	5.6%	6.83%	7.5%	6.91%	6.09%	5.59%	5.4%	4.94%	4.51%	4.21%	3.99%	4.74%	5.79%	5.99%

Per Capita Income x $1,000 (1988-2002)



YEAR:	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
ROI:	$25.37	$25.49	$24.86	$24.93	$25.23	$24.98	$25.1	$25.91	$26.82	$27.49	$29.24	$30.27	$31.63	$30.86	$30.57
USA:	$26.96	$27.48	$27.42	$26.87	$27.35	$27.18	$27.53	$27.86	$28.35	$29.04	$30.35	$30.86	$31.89	$31.72	$31.61

Note: National trend lines are dashed

FORT HOOD, TX

Demographics

The following tables provide a short description of the area near the installation/activity. FORT HOOD is 62.4 miles from Waco, TX, the nearest city with a population of 100,000 or more. The nearest metropolitan statistical area (MSA) is

MSA	Population
Killeen-Temple MSA	312,952

The following entities comprise the military housing area (MHA):

County/City	Population
Bell	237974
Coryell	74978
Lampassas	17762
Mclennan	213517
Total	544,231

Child Care

This attribute captures the number of nationally accredited child-care centers within the local community: 3

Cost of Living

Cost of Living provides a relative measure of cost of living in the local community. General Schedule (GS) Locality Pay provides a relative scale to compare local salaries with government salaries and Basic Allowance for Housing (BAH) is an indicator of the local rental market. In-state tuition is an indicator of the support provided by the state for active duty family members to participate in higher-level education opportunities.

Median Household Income	(US Avg $41,994)	$36,669	Basis: MSA
Median House Value	(US Avg $119,600)	$76,500	
GS Locality Pay	("Rest of US" 10.9%)	10.9%	
O-3 with Dependents BAH Rate		$ 901	
In-state Tuition for Family Member		Yes	
In-state Tuition Continues if Member PCSs Out of State		Yes	

Education

This attribute defines the population in local school districts and identifies capacity. The pupil/teacher ratio, graduation rate, percentage of certified teachers and composite SAT

I/ACT scores provide a relative quality indicator of education. This attribute also attempts to give communities credit for the potential intellectual capital they provide.

NOTE: "MFR" means a Memorandum For Record is on file at the installation/activity/agency to document problems in obtaining the required information. Reasons for not being able to obtain information may be that the school district refused to provide the information or the school district does not use or track the information.

If the installation/activity/agency has incomplete information from the local school system in order to accurately compute a score in this area, the number of school districts reporting information will be captured in addition to the computed answer.

		Basis
School District(s) Capacity	815	5 of 5 districts
Students Enrolled	57,343	5 of 5 districts
Average Pupil/Teacher Ratio	14.2:1	5 of 5 districts
High School Students Enrolled	14,767	5 of 5 districts
Average High School Graduation Rate (US Avg 67.3%)	84.5%	5 of 5 districts
Average Composite SAT I Score (US Avg 1026)	965	5 of 5 districts
Average ACT Score (US Avg 20.8)	20	5 of 5 districts
Available Graduate/PhD Programs	2	
Available Colleges and/or Universities	4	
Available Vocational and/or Technical Schools	1	

Employment

Unemployment and job growth rates provide a relative merit of job availability in the local community. National rates from the Bureau of Labor Statistics are also provided.

The unemployment rates for the last five-years:

	1999	2000	2001	2002	2003
Local Data	3.5%	3.4%	4.3%	5.3%	5.6%
National	4.2%	4.0%	4.7%	5.8%	6.0%
Basis:	MSA	MSA	MSA	MSA	MSA

The annual job growth rate for the last five-years:

	1999	2000	2001	2002	2003
Local Data	1.5%	.5%	.0%	1.9%	1.7%
National	1.5%	2.4%	.03%	-.31%	.86%
Basis:	MSA	MSA	MSA	MSA	MSA

Housing

This attribute provides an indication of availability of housing, both sales and rental, in the local community. Note: according to the 2000 Census, Vacant Sale and Vacant Rental Units do not equal Total Vacant Housing Units; Total Vacant Housing Units may also include units that are vacant but not on the market for sale or rent.

Total Vacant Housing Units	9,101	Basis: MSA
Vacant Sale Units	1,649	
Vacant Rental Units	4,291	

Medical Providers

This attribute provides an indicator of availability of medical care for military and DoD civilians in the local community. The table reflects the raw number of physicians/beds and ratio of physicians/beds to population.

	# Physicians	# Beds	Population	
Local Community	901	890	312,952	Basis: MSA
Ratio	1:347	1:352		
National Ratio (2003)	1:421.2	1:373.7		

Safety/Crime

The local community's Uniform Crime Reports (UCR) Index for 2002 per 100,000 people and the national UCR based on information from the Federal Bureau of Investigation (FBI) for 2002:

Local UCR	4,316.0	Basis: MSA
National UCR	4,118.8	

Transportation

Distance to an airport shows convenience and availability of airline transportation. Public transportation shows potential for members and DoD civilians to use it to commute to/from work under normal circumstances and for leisure.

Distance from FORT HOOD to nearest commercial airport: 6.7 miles
Is FORT HOOD served by regularly scheduled public transportation? Yes

Utilities

This attribute identifies a local community's water and sewer systems' ability to receive 1,000 additional people.

Does the local community's water system have the ability to meet an expanded need of an additional 1,000 people moving in the local community? Yes

Does the local community's sewer system have the ability to meet an expanded need of an additional 1,000 people moving in the local community? Yes

FORT CARSON, CO

Demographics

The following tables provide a short description of the area near the installation/activity. FORT CARSON is 2 miles from Colorado Springs, CO, the nearest city with a population of 100,000 or more. The nearest metropolitan statistical area (MSA) is

MSA	Population
COLORADO SPRINGS MSA	516,929

The following entities comprise the military housing area (MHA):

County/City	Population
El Paso	516929
Pueblo	141472
Teller	20555
Total	678,956

Child Care

This attribute captures the number of nationally accredited child-care centers within the local community: 28

Cost of Living

Cost of Living provides a relative measure of cost of living in the local community. General Schedule (GS) Locality Pay provides a relative scale to compare local salaries with government salaries and Basic Allowance for Housing (BAH) is an indicator of the local rental market. In-state tuition is an indicator of the support provided by the state for active duty family members to participate in higher-level education opportunities.

Median Household Income	(US Avg $41,994)	$46,844	Basis: MSA
Median House Value	(US Avg $119,600)	$147,100	
GS Locality Pay	("Rest of US" 10.9%)	10.9%	
O-3 with Dependents BAH Rate		$1,166	
In-state Tuition for Family Member		Yes	
In-state Tuition Continues if Member PCSs Out of State		No	

Education

This attribute defines the population in local school districts and identifies capacity. The pupil/teacher ratio, graduation rate, percentage of certified teachers and composite SAT I/ACT scores provide a relative quality indicator of education. This attribute also attempts to give communities credit for the potential intellectual capital they provide.

NOTE: "MFR" means a Memorandum For Record is on file at the installation/activity/agency to document problems in obtaining the required information. Reasons for not being able to obtain information may be that the school district refused to provide the information or the school district does not use or track the information.

If the installation/activity/agency has incomplete information from the local school system in order to accurately compute a score in this area, the number of school districts reporting information will be captured in addition to the computed answer.

		Basis
School District(s) Capacity	64,500	5 of 5 districts
Students Enrolled	57,650	5 of 5 districts
Average Pupil/Teacher Ratio	22.1:1	5 of 5 districts
High School Students Enrolled	15,640	5 of 5 districts
Average High School Graduation Rate (US Avg 67.3%)	84.0%	5 of 5 districts
Average Composite SAT I Score (US Avg 1026)	1043	5 of 5 districts
Average ACT Score (US Avg 20.8)	20	5 of 5 districts
Available Graduate/PhD Programs	10	
Available Colleges and/or Universities	13	
Available Vocational and/or Technical Schools	7	

Employment

Unemployment and job growth rates provide a relative merit of job availability in the local community. National rates from the Bureau of Labor Statistics are also provided.

The unemployment rates for the last five-years:

	1999	2000	2001	2002	2003
Local Data	3.3%	3.2%	4.5%	6.6%	6.4%
National	4.2%	4.0%	4.7%	5.8%	6.0%
Basis:	MSA	MSA	MSA	MSA	MSA

The annual job growth rate for the last five-years:

	1999	2000	2001	2002	2003
Local Data	3.5%	.1%	.2%	.1%	1.6%
National	1.5%	2.4%	.03%	-.31%	.86%
Basis:	MSA	MSA	MSA	MSA	MSA

Housing

This attribute provides an indication of availability of housing, both sales and rental, in the local community. Note: according to the 2000 Census, Vacant Sale and Vacant Rental Units do not equal Total Vacant Housing Units; Total Vacant Housing Units may also include units that are vacant but not on the market for sale or rent.

Total Vacant Housing Units	10,019	Basis: MSA
Vacant Sale Units	2,151	
Vacant Rental Units	4,599	

Medical Providers

This attribute provides an indicator of availability of medical care for military and DoD civilians in the local community. The table reflects the raw number of physicians/beds and ratio of physicians/beds to population.

	# Physicians	# Beds	Population	
Local Community	969	775	516,929	Basis: MSA
Ratio	1:533	1:667		
National Ratio (2003)	1:421.2	1:373.7		

Safety/Crime

The local community's Uniform Crime Reports (UCR) Index for 2002 per 100,000 people and the national UCR based on information from the Federal Bureau of Investigation (FBI) for 2002:

Local UCR	4,713.0	Basis: MSA
National UCR	4,118.8	

Transportation

Distance to an airport shows convenience and availability of airline transportation. Public transportation shows potential for members and DoD civilians to use it to commute to/from work under normal circumstances and for leisure.

Distance from FORT CARSON to nearest commercial airport: 10.0 miles
Is FORT CARSON served by regularly scheduled public transportation? Yes

Utilities

This attribute identifies a local community's water and sewer systems' ability to receive 1,000 additional people.

Does the local community's water system have the ability to meet an expanded need of an additional 1,000 people moving in the local community? Yes

Does the local community's sewer system have the ability to meet an expanded need of an additional 1,000 people moving in the local community? Yes

SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS **[TABS WORKING DRAFT]**

SCENARIO # _661__ **TITLE: USA-0224 REALIGN HVY BDE FROM FT HOOD TO FT CARSON**

GENERAL DESCRIPTION: Moves a hvy bde (approx 3730 personnel, and appropriate MilCon) to Ft Carson.

ANALYST COL CRABTREE **DATE: 3/3/05**

Env Resource Area	*Gaining* Installation Assessment Inst Name: Ft Carson	Analyst Comments (& data source(s) that drive assessment)
Air Quality	Impact expected. The receiving installation is in Maintenance for CO, and in Attainment for all other NAAQS. Addition of operations at the receiving installation will require New Source Review permitting. A more detailed emission analysis will be required to determine regulatory impact. Air quality issues currently restrict operations, and additional operations with air emissions may also be restricted.	#213 - Maintenance for CO #211 - No permit limits reported, Major Source thresholds currently exceeded for VOC,Nox,SO2,CO, and PM10. #220 Major & Synthetic Minor operating permits. #218 - Colorado Air Quality Control Commission regulation restricts certain types of smoke/obscurant training ISR2 - AQM adversely impacts mission.
Cultural/Archeological/Tribal Resources	669 arch/cultural resources listed, with restrictions to mechanized vehicle traffic affecting less than 1% of Pinon Canyon. 40 historic properties listed. 13 Native tribes assert an interest in archeological sites. A potential impact may occur as a result of increased time delays and negotiated restrictions. Additional operations may impact cultural, archeological, or historic resources, which may lead to further restrictions.	#230, 231,232 - 669 cult/arch/Native People's sites, but no restrictions at Ft Carson reported (<1% of Pinon Canyon is restricted from mech vehicle traffic) #233, 57% surveyed; #234 - 13 tribes assert interest in sacred sites; #235- 40 historic props; #236 - Has programmatic agreement; ISR2 - no adverse impact to mission.
Dredg-ing	No Impact.	#226, 227, 228 – N/A
Land Use Constraints/Sensitive Resource Areas	No Impact	Buildable Acres - 1247 buildable acres available; 214 req'd (based on 1 Hvy Bde), #201, 254, #256- no restr. CERL Study – moderate encroachment projected
Marine Mammals/Marine Rese	No Impact.	#248, 249, 250, 252, 253 – N/A
Noise	15,686 acres of Noise Zone 2 and 2322 acres of Zone 3 extend off-installation, which is moderately encroached by development. Further evaluation required.	#239 - 15,686 acres of Noise Zone 2 and 2322 acres of Zone 3 extend off-installation.

Threatened& Endangered Species/Critical Habitat	Installation has Federally listed species (Bald Eagle, Greenback Cutthroat Trout, & Mexican Spotted Owl), that restricts operations on <1% of installation land. Spotted Owl affects off-road vehicle use and bivouacs within 200-meters of known winter roost trees, in effect from 15 November-28 February, and includes 38 trees for a total of 1,178-acres. The Greenback Cutthroat Trout affects approx 15-acres with no training zone. Additional operations may further impact threatened / endangered species leading to additional restrictions on training or operations.	#259, 261 lists Bald Eagle,, Cutthroat Trout, Spotted Owl with restrictions to <1% of land. #261,262,264 - No habitat #263 - Candidate species include Arkansas Darter & Black-tailed prairie dog - no restr ISR2 shows no impact.
Waste Management	No Impact	#269 Has RCRA Subpart X Permit
Water Resources	Special restrictions or procedures are in place to significantly limit the production of or distribution of potable water to the installation. Increased missions at the installation may result in additional restrictions or mitigation requirements (e.g., purchase/development of additional water resources). Water quality is impaired by pollutant loadings, and current operations may contribute to impaired water quality. Significant mitigation measures to limit releases may be required to reduce impacts to water quality and achieve US EPA water quality standards.	#276 - Not over recharge zone #278 - McCarren amendment applies #293 - No historical restrictions #824, 825 - adequate water available IREM - infr can support 1159 more people, with 3730 duty pers added #279 - Discharges to 2 impaired waterways (but does not impair them). #822 - Dom & Ind ww treatment plant #291 - Has 1 off-installation public owned water production plant
Wetlands	No Impact	#251 - surveyed 11/92 #257 - 1.6% wetlands, with restrictions (to tracked vehicles in wetlands).

SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED); [TABS WORKING DRAFT]

SCENARIO #__661__

Env Resource Area	*#1 Losing* Installation Assessment Inst Name:__Ft Hood_____	Analyst Comments (& data source(s) that drive assessment)
Air Quality	No impact	Reduction in personnel is considered as neutral or positive impact to all environmental areas.
Cultural/ Archeological/Tribal Resources	No impact	
Dredging	No impact	
Land Use Constraints/Sensitive Resource Areas	No impact	
Marine Mammals/ Marine Resources / Marine Sanctuaries	No impact	
Noise	No impact	
Threatened& Endangered Species/ Critical Habitat	No impact	
Waste Management	No impact	
Water Resources	No impact	
Wetlands	No impact	

SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED); [TABS WORKING DRAFT]

SCENARIO #___661___

IMPACTS OF COSTS

Env Resource Area	Gaining Installation Inst Name:__Ft Carson_____	Losing Installation Inst Name:_Ft Hood
Environmental Restoration*	None.	None.
Waste Management	None.	None.
Environmental Compliance	-Re-alignment NEPA - Environmental Assessment (EA) at gaining base - $400K -New Source Review permitting -$100K-$500K -Evaluation to determine if archeological/tribal site(s) are significant $15K-$40K per site. -Evaluation to determine if historic buildings/structures are significant - $1000-$2000 per building depending on size and location. -Conduct Tribal govt to govt consultation - $2K-$10K per meeting. -Mitigation of archeological site by data recovery iaw PA - $25K-$500K per site depending on complexity -Mitigation of historic buildings/structures by HABS/HAER recordation iaw PA - $25K-$500K per site depending on complexity -Noise analysis and monitoring -$5K-$75K -Install Best Mgt Practices to protect impaired waterways and reduce non-point source runoff from training areas and ranges - $100K - $3M. -ESA Consultation (Biological Assessment) $10K-$100K -Endangered Species Management (includes monitoring) $20K-$2M	None.
COBRA Costs:	NEPA (EA) - $400K New Source Review -$100K Noise analysis -$20K	None.

Environmental Impact

Fort Carson

This recommendation moves a significant number of personnel to Fort Carson, causes significant levels of new construction, while also increasing training frequency, noise levels, and amount of land impacted by training. Fort Carson is currently exceeding Major Source thresholds for Volatile Organic Compounds (VOCs), Nitrogen Oxides (NOx), Sulfer Dioxide (SO2), Carbon Monoxide (CO), and Particular Matter (PM10). This installation is located in a Maintenance area for CO and air quality issues currently restrict operations on this installation. Therefore, a New Source Review and permitting effort will be required. Fort Carson has 669 archeological/cultural resources, 40 historic buildings, and 13 Native American tribes have asserted interest in sites. However, only 57% of the installation has been surveyed for cultural resources. To preserve these resources, training restrictions may be imposed and increased operational delays and costs are possible. Tribal consultations may be required to expand use near listed sites. Fort Carson, which is experiencing moderate encroachment, has 15,686 acres of Noise Zone 2 and 2,322 acres of Noise Zone 3 that extend outside the installation boundaries. Further analysis will be required to determine the extent of new noise impacts. Fort Carson has 3 Threatened and Endangered species that cause some restrictions on off-road vehicle use and training activities. Added operations may impact these species and result in further training restrictions. Due to the McCarren Amendment, this installation has restrictions in place that significantly limit production or distribution of potable water. Increased missions at the installation may result in additional restrictions or mitigation requirements. This installation is discharging to an impaired waterway, so significant mitigation measures to limit releases may be required to reduce impacts to water quality and achieve US EPA water quality standards. No adverse effects to any other environmental resource areas are expected.

INSTALLATION ENVIRONMENTAL PROFILE

FORT HOOD

1. Air Quality (DoD Question #210-225):

a. The Clean Air Act (CAA) establishes health-based standards for air quality and all areas of the country are monitored to determine if they meet the standards. A major limiting factor is whether the installation is in an area designated nonattainment or maintenance (air quality is not meeting the standard) and is therefore subject to more stringent requirements, including the CAA General Conformity Rule. Conformity requires that any new emissions from military sources brought into the area must be offset by credits or accounted for in the State Implementation Plan (SIP) emissions budget. The criteria pollutants of concern include: CO, O3 (1 hour & 8 Hour), and PM (PM10, and PM2.5). Installations in attainment areas are not restricted, while activities for installations in non-attainment areas may be restricted. Non-attainment areas are classified as to the degree of non-attainment: Marginal, Moderate, Serious, and in the case of O3, Severe and Extreme. SIP Growth Allowances and Emission Reduction Credits are tools that can be used to accommodate increased emissions in a manner that conforms to a state's SIP. All areas of the country require operating permits if emissions from stationary sources exceed certain threshold amounts. Major sources already exceed the amount and are subject to permit requirements. Synthetic minor means the base has accepted legal limits to its emissions to stay under the major source threshold. Natural or true minor means the actual and potential emissions are below the threshold.

b. FORT HOOD is in Attainment for all Criteria Pollutants. It holds a CAA Major Operating Permit.

2. Cultural/Archeological/Tribal Resources (DoD Question #229-237):

a. Many installations have historical, archeological, cultural and Tribal sites of interest. These sites and access to them often must be maintained, or consultation is typically required before changes can be made. The sites and any buffers surrounding them may reduce the quantity or quality of land or airspace available for training and maneuvers or even construction of new facilities. The presence of such sites needs to be recognized, but the fact that restrictions actually occur is the overriding factor the data call is trying to identify. A programmatic agreement with the State Historic Preservation Office (SHPO) facilitates management of these sites.

b. No historic property has been identified on FORT HOOD. There is no programmatic agreement for historic property in place with the SHPO. It has sites with high archeological potential identified, which restrict construction and operations.

3. Dredging (DoD Question # 226-228):

a. Dredging allows for free navigation of vessels through ports, channels, and rivers. Identification of sites with remaining capacity for the proper disposal of dredge spoil is the primary focus of the profile. However, the presence of unexploded ordnance or any other impediment that restricts the ability to dredge is also a consideration.

b. FORT HOOD has no impediments to dredging.

4. **Land Use Constraints/Sensitive Resource Areas (DoD Question #198-201, 238, 240-247, 254-256, 273)**:

   a. Land use can be encroached from both internal and external pressures. This resource area combines several different types of possible constraints. It captures the variety of constraints not otherwise covered by other areas that could restrict operations or development. The areas include electromagnetic radiation or emissions, environmental restoration sites (on and off installation), military munitions response areas, explosive safety quantity distance arcs, treaties, underground storage tanks, sensitive resource areas, as well as policies, rules, regulations, and activities of other federal, state, tribal and local agencies. This area also captures other constraining factors from animals and wildlife that are not endangered but cause operational restrictions. This resource area specifically includes information on known environmental restoration costs through FY03 and the projected cost-to-complete the restoration.

   b. FORT HOOD reports that 8592 unconstrained acres are available for development out of 214570 total acres. FORT HOOD has spent $4.7000000000000002M thru FY03 for environmental restoration, and has estimated the remaining Cost to Complete at $0M. FORT HOOD has Explosive Safety Quantity Distance Arcs, none of which require safety waivers, and some with the potential for expansion. It has Military Munitions Response Areas. It reports constraints associated with threatened and endangered species/habitat. It reports constraints associated with other factors. It reports constraints associated with archeological resources or areas. It reports constraints associated with historical/culutural facilities or areas. FORT HOOD reports being constrained by the laws, regulations, policies, or activities of non-DoD federal, tribal, state, or local agencies.

5. **Marine Mammal/Marine Resources/Marine Sanctuaries (DoD Question #248-250, 252-253)**:

   a. This area captures the extent of any restrictions on near shore or open water testing, training or operations as a result of laws protecting Marine Mammals, Essential Fish Habitat, and other related marine resources.

   b. FORT HOOD is not impacted by laws and regulations pertaining to Marine Mammal Protection Act, Essential Fish Habitats & Fisheries and Marine Sanctuaries, which may adversely restrict navigation and operations.

6. **Noise (DoD Question # 202-209, 239)**:

   a. Military operations, particularly aircraft operations and weapons firing, may generate noise that can impact property outside of the installation. Installations with significant noise will typically generate maps that predict noise levels. These maps are then used to identify whether the noise levels are compatible with land uses in these noise-impacted areas. Installations will often publish noise abatement procedures to mitigate these noise impacts.

b. FORT HOOD does not have noise contours that extend off the installation's property. It has published noise abatement procedures for the main installation. It has published noise abatement procedures for the training and/or RDT&E range. It has published noise abatement procedures for the auxiliary airfield.

7. Threatened and Endangered Species/Critical Habitat (DoD Question #259-264)

a. The presence of threatened and endangered species (TES) can result in restrictions on training, testing and operations. They serve to reduce buildable acres and maneuver space. The data in this section reflects listed TES as well as candidate species, designated critical habitat as well as proposed habitat, and restrictions from Biological Opinions. The legally binding conditions in Biological Opinions are designed to protect TES, and critical habitat. The data call seeks to identify the presence of the resource, TES, candidate or critical habitat, even if they don't result in restrictions, as well places where restrictions do exist.

b. FORT HOOD reported that federally-listed TES are present that have delayed or diverted operations/training/testing, candidate species are not present, critical habitat is not present, and the installation has a Biological Opinion that places restrictions on operations.

8. Waste Management (DoD Question # 265-272):

a. This resource area identifies whether the installation has existing waste treatment and/or disposal capabilities, whether there is additional capacity, and in some case whether the waste facility can accept off-site waste. This area includes Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal facilities, solid waste disposal facilities, RCRA Subpart X (open/burning/open detonation) and operations.

b. FORT HOOD has a permitted RCRA Treatment Storage and Disposal Facility (TSDF) . FORT HOOD has an interim or final RCRA Part X facility that accepts off-site waste. FORT HOOD has an on-base solid waste disposal facility that is 32% filled.

9. Water Resources (DoD Question # 258, 274-299):

a. This resource area asks about the condition of ground and surface water, and the legal status of water rights. Water is essential for installation operations and plays a vital role in the proper functioning of the surrounding ecosystems. Contamination of ground or surface waters can result in restrictions on training and operations and require funding to study and remediate. Federal clean water laws require states to identify impaired waters

and to restrict the discharge of certain pollutants into those waters. Federal safe drinking water laws can require alternative sources of water and restrict activities above groundwater supplies particularly sole source aquifers. Water resources are also affected by the McCarran Amendment (1952), where Congress returned substantial power to the states with respect to the management of water. The amendment requires that the Federal government waive its sovereign immunity in cases involving the general adjudication of water rights. On the other hand existence of Federal Reserve Water Rights can provide more ability to the government to use water on federal lands.

b. FORT HOOD discharges to an impaired waterway. Groundwater contamination is not reported. Surface water contamination is not reported. **(The following water quantity data is from DoD Question # 282, 291, 297, 822, 825, 826)**:
FORT HOOD has 4457.6999999999998 Acre-Feet of surplus water potentially available for expansion. On average, it uses 6.7859999999999996 MGD of potable and non-potable water, with the capacity to produce 19.09 MGD. It processed on average 7.1100000000000003 MGD of domestic wastewater in the peak month (past 3 years), with the capacity to process 7.7800000000000002 MGD. It processed on average 0 MGD of industrial wastewater in the peak month (past 3 years), with the capacity to process (No Capacity Reported) MGD.

10. Wetlands (DoD Question # 251, 257):

a. The existence of jurisdictional wetlands poses restraints on the use of land for training, testing or operations. In the data call the installations were asked to report the presence of jurisdictional wetlands and compare the percent of restricted acres to the total acres. The presence of jurisdictional wetlands may reduce the ability of an installation to assume new or different missions, even if they do not presently pose restrictions, by limiting the availability of land.

b. FORT HOOD reported no wetland restricted acres on the main installation, and no wetland restricted acres on ranges.

INSTALLATION ENVIRONMENTAL PROFILE

FORT CARSON

1. Air Quality (DoD Question #210-225):

a. The Clean Air Act (CAA) establishes health-based standards for air quality and all areas of the country are monitored to determine if they meet the standards. A major limiting factor is whether the installation is in an area designated nonattainment or maintenance (air quality is not meeting the standard) and is therefore subject to more stringent requirements, including the CAA General Conformity Rule. Conformity requires that any new emissions from military sources brought into the area must be offset by credits or accounted for in the State Implementation Plan (SIP) emissions budget. The criteria pollutants of concern include: CO, O3 (1 hour & 8 Hour), and PM (PM10, and PM2.5). Installations in attainment areas are not restricted, while activities for installations in non-attainment areas may be restricted. Non-attainment areas are classified as to the degree of non-attainment: Marginal, Moderate, Serious, and in the case of O3, Severe and Extreme. SIP Growth Allowances and Emission Reduction Credits are tools that can be used to accommodate increased emissions in a manner that conforms to a state's SIP. All areas of the country require operating permits if emissions from stationary sources exceed certain threshold amounts. Major sources already exceed the amount and are subject to permit requirements. Synthetic minor means the base has accepted legal limits to its emissions to stay under the major source threshold. Natural or true minor means the actual and potential emissions are below the threshold.

b. FORT CARSON is in Maintenance for CO. It holds a CAA Major Operating Permit. It holds a CAA Synthetic Minor Operating Permit. Emission credit programs may be available. No SIP growth allowance has been allocated for this installation. Permit exceedances reported.

2. Cultural/Archeological/Tribal Resources (DoD Question #229-237):

a. Many installations have historical, archeological, cultural and Tribal sites of interest. These sites and access to them often must be maintained, or consultation is typically required before changes can be made. The sites and any buffers surrounding them may reduce the quantity or quality of land or airspace available for training and maneuvers or even construction of new facilities. The presence of such sites needs to be recognized, but the fact that restrictions actually occur is the overriding factor the data call is trying to identify. A programmatic agreement with the State Historic Preservation Office (SHPO) facilitates management of these sites.

b. Historic property has been identified on FORT CARSON. There is a programmatic agreement for historic property in place with the SHPO. It has sites with high archeological potential identified, which do not restrict construction and do not restrict operations. Formal consultation with Native Tribes is currently occurring.

3. Dredging (DoD Question # 226-228):

a. Dredging allows for free navigation of vessels through ports, channels, and rivers. Identification of sites with remaining capacity for the proper disposal of dredge spoil is the primary focus of the profile. However, the presence of unexploded ordnance or any other impediment that restricts the ability to dredge is also a consideration.

b. FORT CARSON has no impediments to dredging.

4. Land Use Constraints/Sensitive Resource Areas (DoD Question #198-201, 238, 240-247, 254-256, 273):

a. Land use can be encroached from both internal and external pressures. This resource area combines several different types of possible constraints. It captures the variety of constraints not otherwise covered by other areas that could restrict operations or development. The areas include electromagnetic radiation or emissions, environmental restoration sites (on and off installation), military munitions response areas, explosive safety quantity distance arcs, treaties, underground storage tanks, sensitive resource areas, as well as policies, rules, regulations, and activities of other federal, state, tribal and local agencies. This area also captures other constraining factors from animals and wildlife that are not endangered but cause operational restrictions. This resource area specifically includes information on known environmental restoration costs through FY03 and the projected cost-to-complete the restoration.

b. FORT CARSON reports that 23875 unconstrained acres are available for development out of 373313 total acres. FORT CARSON has spent $37.5M thru FY03 for environmental restoration, and has estimated the remaining Cost to Complete at $18M. FORT CARSON has Explosive Safety Quantity Distance Arcs, none of which require safety waivers, and all with the potential for expansion. It has Military Munitions Response Areas. It reports constraints associated with threatened and endangered species/habitat.

5. Marine Mammal/Marine Resources/Marine Sanctuaries (DoD Question #248-250, 252-253):

a. This area captures the extent of any restrictions on near shore or open water testing, training or operations as a result of laws protecting Marine Mammals, Essential Fish Habitat, and other related marine resources.

b. FORT CARSON is not impacted by laws and regulations pertaining to Marine Mammal Protection Act, Essential Fish Habitats & Fisheries and Marine Sanctuaries, which may adversely restrict navigation and operations.

6. Noise (DoD Question # 202-209, 239):

a. Military operations, particularly aircraft operations and weapons firing, may generate noise that can impact property outside of the installation. Installations with significant noise will typically generate maps that predict noise levels. These maps are then used to identify whether the noise levels are compatible with land uses in these noise-impacted areas. Installations will often publish noise abatement procedures to mitigate these noise impacts.

b. FORT CARSON has noise contours that extend off the installation's property. Of the 18008 acres that extend to off-base property, 7871 acres have incompatible land uses. It has published noise abatement procedures for the

main installation. It has published noise abatement procedures for the training and/or RDT&E range.

7. Threatened and Endangered Species/Critical Habitat (DoD Question #259-264)

a. The presence of threatened and endangered species (TES) can result in restrictions on training, testing and operations. They serve to reduce buildable acres and maneuver space. The data in this section reflects listed TES as well as candidate species, designated critical habitat as well as proposed habitat, and restrictions from Biological Opinions. The legally binding conditions in Biological Opinions are designed to protect TES, and critical habitat. The data call seeks to identify the presence of the resource, TES, candidate or critical habitat, even if they don't result in restrictions, as well places where restrictions do exist.

b. FORT CARSON reported that federally-listed TES are present, candidate species are present, critical habitat is not present, and the installation has a Biological Opinion that places restrictions on operations.

8. Waste Management (DoD Question # 265-272):

a. This resource area identifies whether the installation has existing waste treatment and/or disposal capabilities, whether there is additional capacity, and in some case whether the waste facility can accept off-site waste. This area includes Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal facilities, solid waste disposal facilities, RCRA Subpart X (open/burning/open detonation) and operations.

b. FORT CARSON has a permitted RCRA Treatment Storage and Disposal Facility (TSDF) . FORT CARSON has an interim or final RCRA Part X facility that does not accept off-site waste. FORT CARSON does not have an on-base solid waste disposal facility.

9. Water Resources (DoD Question # 258, 274-299):

a. This resource area asks about the condition of ground and surface water, and the legal status of water rights. Water is essential for installation operations and plays a vital role in the proper functioning of the surrounding ecosystems. Contamination of ground or surface waters can result in restrictions on training and operations and require funding to study and remediate. Federal clean water laws require states to identify impaired waters and to restrict the discharge of certain pollutants into those waters. Federal safe drinking water laws can require alternative sources of water and restrict activities above groundwater supplies particularly sole source aquifers. Water

resources are also affected by the McCarran Amendment (1952), where Congress returned substantial power to the states with respect to the management of water. The amendment requires that the Federal government waive its sovereign immunity in cases involving the general adjudication of water rights. On the other hand existence of Federal Reserve Water Rights can provide more ability to the government to use water on federal lands.

b. FORT CARSON discharges to an impaired waterway. Groundwater contamination is reported. Surface water contamination is reported. The state requires permits for the withdrawal of groundwater. The installation is currently the subject of an adjudication under the McCarran amendment.
(The following water quantity data is from DoD Question # 282, 291, 297, 822, 825, 826):
FORT CARSON has 2591.8000000000002 Acre-Feet of surplus water potentially available for expansion. On average, it uses 3 MGD of potable and non-potable water, with the capacity to produce 5 MGD. It processed on average 1.8600000000000001 MGD of domestic wastewater in the peak month (past 3 years), with the capacity to process 3.02 MGD. It processed on average 0.059 MGD of industrial wastewater in the peak month (past 3 years), with the capacity to process 0.46000000000000002 MGD.

10. Wetlands (DoD Question # 251, 257):

a. The existence of jurisdictional wetlands poses restraints on the use of land for training, testing or operations. In the data call the installations were asked to report the presence of jurisdictional wetlands and compare the percent of restricted acres to the total acres. The presence of jurisdictional wetlands may reduce the ability of an installation to assume new or different missions, even if they do not presently pose restrictions, by limiting the availability of land.

b. FORT CARSON reported 1.6% wetland restricted acres on the main installation, and no wetland restricted acres on ranges.