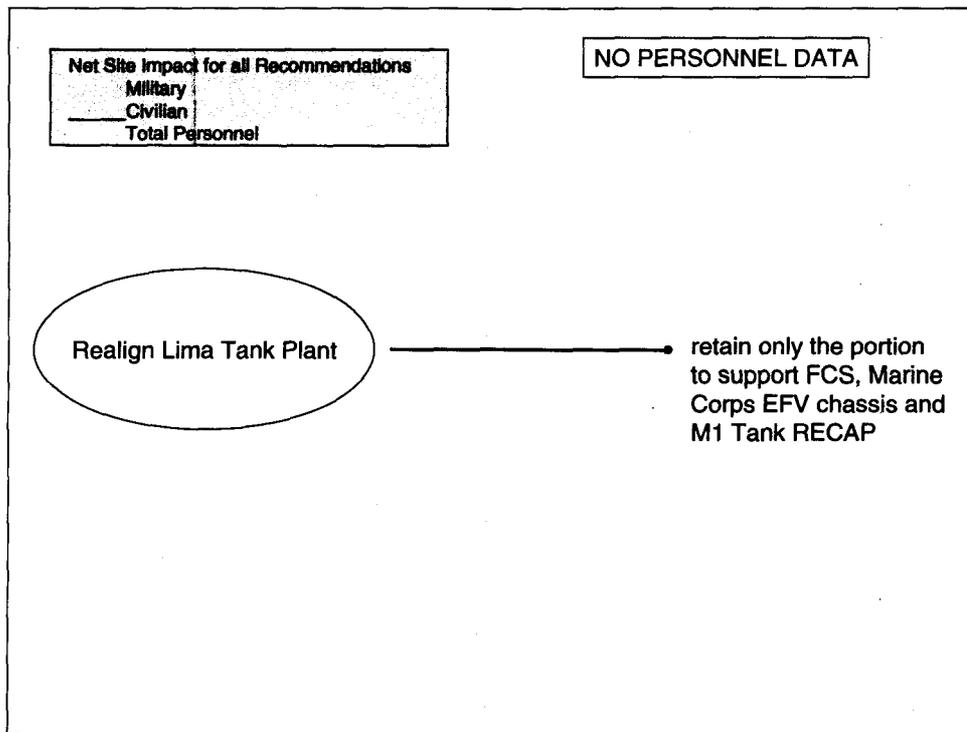


| J&CS - Industrial Reccomendations | | | | | | |
|--|--|--|--|--|--|--|
| Base Name | Comments | | | | | |
| Riverbank Army Ammunition Plant | One source, small quantities | | | | | |
| Rock Island Arsenal | | | | | | |
| Sierra Army Depot, CA | | | | | | |
| Crane Army Ammunition Activity | | | | | | |
| McAlester Army Ammunition Plant | | | | | | |
| Sierra Army Depot | California stopped demiling of munitions | | | | | |
| Tooele Army Depot | | | | | | |
| Rock Island Arsenal, IL | | | | | | |
| Anniston Army Depot | | | | | | |
| Letterkenny Army Depot | | | | | | |
| Rock Island Arsenal | | | | | | |
| Newport Chemical Depot, IN | | | | | | |
| Newport Chemical Depot | Qualified to end of mission date; question of completion date for demil | | | | | |
| Undistributed or Overseas Reductions | | | | | | |
| Kansas Army Ammunition Plant, KS | | | | | | |
| Kansas Army Ammunition Plant | Language land, facilities and, equipment to LRA; potentially proprietary processes | | | | | |
| Iowa Army Ammunition Plant | | | | | | |
| Crane Army Ammunition Activity | | | | | | |
| McAlester Army Ammunition Plant | | | | | | |
| Milan Army Ammunition Plant | | | | | | |
| Lima Tank Plant, OH | | | | | | |
| Lima Tank Plant | Footprint currently in full usage | | | | | |
| Mississippi Army Ammunition Plant, MS | | | | | | |
| Mississippi Army Ammunition Plant | Community supports closure | | | | | |
| Rock Island Arsenal | | | | | | |
| Undistributed or Overseas Reductions | | | | | | |
| Hawthorne Army Depot, NV | | | | | | |
| Hawthorne Army Depot | Many concerns regarding missions and demil | | | | | |
| Tooele Army Depot | Concerns about storage and demil capacities | | | | | |
| Undistributed or Overseas Reductions | | | | | | |
| Watervliet Arsenal, NY | | | | | | |
| Watervliet Arsenal | No personnel impact, disestablish capacity reduce footprint | | | | | |
| Umatilla Chemical Depot, OR | | | | | | |
| Umatilla Army Depot | Qualified to end of mission date; question of completion date for demil | | | | | |
| Lone Star Army Ammunition Plant, TX | | | | | | |
| Lone Star Army Ammunition Plant | Language land, facilities and, equipment to LRA; potentially proprietary processes | | | | | |
| Iowa Army Ammunition Plant | | | | | | |
| Crane Army Ammunition Activity | | | | | | |
| McAlester Army Ammunition Plant | | | | | | |
| Milan Army Ammunition Plant | | | | | | |
| Deseret Chemical Depot, UT | | | | | | |
| Deseret Chemical Depot | Qualified to end of mission date; question of completion date for demil | | | | | |
| | | | | | | |
| | | | | | | |



Lima Tank Plant, OH

Recommendation: Realign Lima Tank Plant, OH. Retain the portion required to support the manufacturing of armored combat vehicles to include Army Future Combat System (FCS) program, Marine Corps Expeditionary Force Vehicle (EFV) chassis, and M1 Tank recapitalization program.

Justification: Capacity and capability for armored combat vehicles exists at three sites with little redundancy among the sites. The acquisition strategy for the Army Future Combat System (FCS) and Marine Corps Expeditionary Force Vehicle includes the manufacturing of manned vehicle chassis at Lima Army Tank Plant. The impact of establishing this capability elsewhere would hinder the Department's ability to meet the USA and USMC future production schedule.

This recommendation to retain only the portion of Lima Army Tank Plant required to support the FCS, EFV, and M1 tank recap, reduces the footprint. This allows the Department of Defense to remove excess from the Industrial Base, create centers of excellence, avoid single point failure, and generate efficiencies within the manufacture and maintenance of combat vehicles.

Net Site Impact for all Recommendations

Military

Civilian

Total Personnel

NO PERSONNEL DATA

Realign Lima Tank Plant



**retain only the portion
to support FCS, Marine
Corps EFV chassis and
M1 Tank RECAP**

Community Infrastructure Assessment: A review of community attributes indicates no issues regarding the ability of the infrastructure of the communities to support missions, forces, and personnel. There are no known community infrastructure impediments to implementation of all recommendations affecting the installations in this recommendation.

Environmental Impact: This recommendation has possible water resources impact at McAlester and Crane. Significant mitigation measures must be taken to limit releases into waterway. This recommendation has potential impact on air quality at Crane AAA. Crane AAA may need upgrades to industrial wastewater treatment to handle additional lead wastes. Kansas AAP has domestic and industrial wastewater treatments plants that may require closure. This recommendation has no impact on dredging; marine mammals, resources, or sanctuaries; noise; threatened and endangered species or critical habitat; waste management; water resources; or wetlands. This recommendation will require spending approximately \$5.2M for environmental compliance activities. This cost was included in the payback calculation. Kansas reports approximately \$33.2M in environmental restoration costs. Because the Department of Defense has a legal obligation to perform environmental restoration regardless of whether an installation is closed, realigned, or remains open, this cost was not included in the payback calculation. This recommendation does not otherwise impact the costs of environmental restoration, waste management, and environmental compliance activities. The aggregate environmental impact of all recommended BRAC actions affecting the bases in this recommendation has been reviewed. There are no known environmental impediments to implementation of this recommendation.

Lima Tank Plant, OH

Recommendation: Realign Lima Tank Plant, OH. Retain the portion required to support the manufacturing of armored combat vehicles to include Army Future Combat System (FCS) program, Marine Corps Expeditionary Force Vehicle (EFV) chassis, and M1 Tank recapitalization program.

Justification: Capacity and capability for armored combat vehicles exists at three sites with little redundancy among the sites. The acquisition strategy for the Army Future Combat System (FCS) and Marine Corps Expeditionary Force Vehicle includes the manufacturing of manned vehicle chassis at Lima Army Tank Plant. The impact of establishing this capability elsewhere would hinder the Department's ability to meet the USA and USMC future production schedule. This recommendation to retain only the portion of Lima Army Tank Plant required to support the FCS, EFV, and M1 tank recap, reduces the footprint. This allows the Department of Defense to remove excess from the Industrial Base, create centers of excellence, avoid single point failure, and generate efficiencies within the manufacture and maintenance of combat vehicles.

Payback: The total estimated one-time cost to the Department of Defense to implement this recommendation is \$0.2M. The net of all savings to the Department during the implementation period is a savings of \$5.9M. Annual recurring savings to the Department after implementation are \$1.7M with payback expected immediately. The net present value of the costs and savings to the Department over 20 years is a savings of \$22.3M.

Economic Impact on Communities: This recommendation will not result in any job reductions (direct or indirect) over the period 2006-2011 in the Lima, OH Metropolitan Statistical Area. The aggregate economic impact of all recommended actions on this economic region of influence was considered and is at Appendix B of Volume I.

Community Infrastructure Assessment: A review of community attributes indicates no issues regarding the ability of the infrastructure of the community to support missions, forces, and personnel. There are no known community infrastructure impediments to implementation of all recommendations affecting the installations in this recommendation.

Environmental Impact: This recommendation has no impact on air quality; cultural, archeological, or tribal resources; dredging; land use constraints or sensitive resource areas; marine mammals, resources, or sanctuaries; noise; threatened and endangered species or critical habitat; waste management; water resources; or wetlands. This recommendation does not impact the costs of environmental restoration, waste management, and environmental compliance activities. The aggregate environmental impact of all recommended BRAC actions affecting the bases in this recommendation has been reviewed. There are no known environmental impediments to implementation of this recommendation.

Mississippi Army Ammunition Plant, MS

Recommendation: Close Mississippi Army Ammunition Plant, MS. Relocate the 155MM ICM artillery metal parts functions to Rock Island Arsenal, IL.

Justification: There are 4 sites within the Industrial Base producing Metal Parts. To remove excess from the Industrial Base, the closure allows DoD to generate efficiencies and nurture partnership with multiple sources in the private sector.

Payback: The total estimated one-time cost to the Department of Defense to implement this recommendation is \$32.4M. The net of all costs and savings to the Department during the implementation period is a cost of \$10.8M. Annual recurring savings to the Department after implementation are \$5.1M with a payback expected in 7 years. The Net Present Value of the costs and savings to the Department over 20 years is a savings of \$38.6M.

Economic Impact on Communities: Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 88 jobs (54 direct jobs and 34 indirect jobs) over the 2006 – 2011 period in the Picayune, MS Micropolitan Statistical Area, which is 0.5 percent of economic area employment. The aggregate economic impact of all recommended actions on this economic region of influence was considered and is at Appendix B of Volume I.

Community Infrastructure Assessment: A review of community attributes indicates no issues regarding the ability of the infrastructure of the community to support missions, forces, and personnel. There are no known community infrastructure impediments to implementation of all recommendations affecting the installations in this recommendation.

Pendaflex
Esselle

48430

30%



P4

IJCSG - Munitions / Armaments Capacity Report

| <i>Function</i> | <i>Site</i> | <i>Current Capacity*</i> | <i>Current Usage*</i> | <i>Maximum Capacity*</i> | <i>Capacity Required To Surge*</i> | <i>Capacity Available to Surge/Excess Capacity*</i> |
|---|---------------------|--------------------------|-----------------------|--------------------------|------------------------------------|---|
| Armaments Production/Manufacturing | | | | | | |
| | LIMA ARMY TANK PLT | 866.9 | 666.2 | 3,525.6 | 0 | 2,859.4 |
| | ROCK ISLAND ARSENAL | 1,296.0 | 605.4 | 1,491.7 | 0 | 886.3 |
| | WATERVLIET ARSENAL | 627.1 | 304.9 | 1,343.1 | 0 | 1,038.2 |

* Capacity is measured in dlh(k)

Report Date: Thursday, April 21, 2005

Database Date: April 18, 2005

Deliberative Document - For Discussion Purposes Only
Do Not Release under FOIA

Page 1 of 1

IJCSG Summary Military Value Report for Munitions

| <i>Activity:</i> | <i>Score:</i> |
|------------------------------------|----------------------|
| <i>Armaments Production</i> | |
| ROCK ISLAND ARSENAL | 0.9520 |
| WATERVLIET ARSENAL | 0.8687 |
| LIMA ARMY TANK PLT | 0.5844 |

COBRA REALIGNMENT SUMMARY REPORT (COBRA v6.10) - Page 1/2
 Data As Of 5/2/2005 9:42:17 AM, Report Created 5/2/2005 9:42:21 AM

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0115 Realign Lima Army Tank Plant\IND 0115 Realign Lima Tank
 Plant Cobra 05022005.CBR
 Option Pkg Name: Realign Lima Tank Plant
 Std Fctrs File : C:\Documents and Settings\\Desktop\COBRA 6.10\BRAC2005.SFF

Starting Year : 2006
 Final Year : 2006
 Payback Year : Immediate

NPV in 2025(\$K): -22,258
 1-Time Cost(\$K): 194

| Net Costs 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 | 0 | 0 | 0 | 0 | 0 |
| Overhd | -255 | -543 | -831 | -1,119 | -1,407 | -1,695 | -5,851 | -1,727 |
| Moving | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Missio | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | -255 | -543 | -831 | -1,119 | -1,407 | -1,695 | -5,851 | -1,727 |
| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | Total | |
| | ---- | ---- | ---- | ---- | ---- | ---- | ---- | |
| POSITIONS ELIMINATED | | | | | | | | |
| Off | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Enl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Civ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| POSITIONS REALIGNED | | | | | | | | |
| Off | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Enl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Stu | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Civ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Summary:

 Realign Lima Tank Plant, OH. Disestablish Tank Manufacturing. Retain the portion required to support the manufacturing of armored combat vehicles to include Army Future Combat System (FCS) program, Marine Corps Expeditionary Force Vehicle (EFV) chassis, and M1 Tank recapitalization program.

COBRA REALIGNMENT SUMMARY REPORT (COBRA v6.10) - Page 2/2
 Data As Of 5/2/2005 9:42:17 AM, Report Created 5/2/2005 9:42:21 AM

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0115 Realign Lima Army Tank Plant\IND 0115 Realign Lima Tank
 Plant Cobra 05022005.CBR
 Option Pkg Name: Realign Lima Tank Plant
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Costs 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 | 0 | 0 | 0 | 0 | 0 |
| Overhd | 32 | 32 | 32 | 32 | 32 | 32 | 194 | 0 |
| Moving | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Missio | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 32 | 32 | 32 | 32 | 32 | 32 | 194 | 0 |

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 | 0 | 0 | 0 | 0 | 0 |
| Overhd | 288 | 576 | 864 | 1,151 | 1,439 | 1,727 | 6,046 | 1,727 |
| Moving | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Missio | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 288 | 576 | 864 | 1,151 | 1,439 | 1,727 | 6,046 | 1,727 |

COBRA PERSONNEL/SF/SUSTAINMENT/RECAP/BOS DELTAS REPORT (COBRA v6.10)
 Data As Of 5/2/2005 9:42:17 AM, Report Created 5/2/2005 9:42:21 AM

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0115 Realign Lima Army Tank Plant\IND 0115 Realign Lima Tank Plant Cobra 05022005.CBR
 Option Pkg Name: Realign Lima Tank Plant
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

| Base | Personnel | | | |
|-----------------|-----------|---------|--------|---------|
| | Start* | Finish* | Change | %Change |
| LIMA TANK PLANT | 45 | 45 | 0 | 0% |
| TOTAL | 45 | 45 | 0 | 0% |

| Base | Square Footage | | | | |
|-----------------|----------------|-----------|----------|---------|---------|
| | Start | Finish | Change | %Change | Chg/Per |
| LIMA TANK PLANT | 1,611,000 | 1,179,000 | -432,000 | -27% | 0 |
| TOTAL | 1,611,000 | 1,179,000 | -432,000 | -27% | 0 |

| Base | Base Operations Support (2005\$) | | | | |
|-----------------|----------------------------------|------------|--------|---------|---------|
| | Start* | Finish* | Change | %Change | Chg/Per |
| LIMA TANK PLANT | 16,731,426 | 16,731,426 | 0 | 0% | 0 |
| TOTAL | 16,731,426 | 16,731,426 | 0 | 0% | 0 |

| Base | Sustainment (2005\$) | | | | |
|-----------------|----------------------|-----------|------------|---------|---------|
| | Start | Finish | Change | %Change | Chg/Per |
| LIMA TANK PLANT | 3,808,893 | 2,787,514 | -1,021,379 | -27% | 0 |
| TOTAL | 3,808,893 | 2,787,514 | -1,021,379 | -27% | 0 |

| Base | Recapitalization (2005\$) | | | | |
|-----------------|---------------------------|-----------|----------|---------|---------|
| | Start | Finish | Change | %Change | Chg/Per |
| LIMA TANK PLANT | 2,632,800 | 1,926,798 | -706,002 | -27% | 0 |
| TOTAL | 2,632,800 | 1,926,798 | -706,002 | -27% | 0 |

| Base | Sustain + Recap + BOS (2005\$) | | | | |
|-----------------|--------------------------------|------------|------------|---------|---------|
| | Start | Finish | Change | %Change | Chg/Per |
| LIMA TANK PLANT | 23,173,119 | 21,445,738 | -1,727,381 | -7% | 0 |
| TOTAL | 23,173,119 | 21,445,738 | -1,727,381 | -7% | 0 |

| Base | Plant Replacement Value (2005\$) | | | | |
|-----------------|----------------------------------|-------------|-------------|---------|---------|
| | Start | Finish | Change | %Change | Chg/Per |
| LIMA TANK PLANT | 271,178,429 | 198,460,191 | -72,718,238 | -27% | 0 |
| TOTAL | 271,178,429 | 198,460,191 | -72,718,238 | -27% | 0 |

* "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 v6.10) - Page 1/6
 Data As Of 5/2/2005 9:42:17 AM, Report Created 5/2/2005 9:42:21 AM

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0115 Realign Lima Army Tank Plant\IND 0115 Realign Lima Tank
 Plant Cobra 05022005.CBR
 Option Pkg Name: Realign Lima Tank Plant
 Std Fctrs File : C:\Documents and Settings\\Desktop\COBRA 6.10\BRAC2005.SFF

| 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 RIF | 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 | 0 | 0 | 0 | 0 | 0 |
| Prog Manage | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Supt Contract | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mothball | 32 | 32 | 32 | 32 | 32 | 32 | 194 |
| 1-Time Move | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIL PERSONNEL | | | | | | | |
| MIL MOVING | | | | | | | |
| Per Diem | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| POV Miles | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HHG | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Misc | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| OTHER | | | | | | | |
| Elim PCS | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| OTHER | | | | | | | |
| HAP / RSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Environmental | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Misc Contract | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-Time Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL ONE-TIME | 32 | 32 | 32 | 32 | 32 | 32 | 194 |

TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 2/6
 Data As Of 5/2/2005 9:42:17 AM, Report Created 5/2/2005 9:42:21 AM

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0115 Realign Lima Army Tank Plant\IND 0115 Realign Lima Tank
 Plant Cobra 05022005.CBR
 Option Pkg Name: Realign Lima Tank Plant
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

| RECURRINGCOSTS | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | Total | Beyond |
|----------------------|------------|------------|------------|--------------|--------------|--------------|--------------|--------------|
| -----(\$K)----- | ---- | ---- | ---- | ---- | ---- | ---- | ----- | ----- |
| 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 COST | 32 | 32 | 32 | 32 | 32 | 32 | 194 | 0 |
| ONE-TIME SAVES | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | Total | |
| -----(\$K)----- | ---- | ---- | ---- | ---- | ---- | ---- | ----- | |
| 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 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | Total | Beyond |
| -----(\$K)----- | ---- | ---- | ---- | ---- | ---- | ---- | ----- | ----- |
| FAM HOUSE OPS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| O&M | | | | | | | | |
| Sustainment | 170 | 340 | 511 | 681 | 851 | 1,021 | 3,575 | 1,021 |
| Recap | 118 | 235 | 353 | 471 | 588 | 706 | 2,471 | 706 |
| 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 | 288 | 576 | 864 | 1,151 | 1,439 | 1,727 | 6,046 | 1,727 |
| TOTAL SAVINGS | 288 | 576 | 864 | 1,151 | 1,439 | 1,727 | 6,046 | 1,727 |

TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 3/6
 Data As Of 5/2/2005 9:42:17 AM, Report Created 5/2/2005 9:42:21 AM

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0115 Realign Lima Army Tank Plant\IND 0115 Realign Lima Tank Plant Cobra 05022005.CBR
 Option Pkg Name: Realign Lima Tank Plant
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

| ONE-TIME NET | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | Total | |
|-----------------------|-------------|-------------|-------------|---------------|---------------|---------------|---------------|---------------|
| -----(\$K)----- | ---- | ---- | ---- | ---- | ---- | ---- | ----- | ----- |
| CONSTRUCTION | | | | | | | | |
| MILCON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| O&M | | | | | | | | |
| Civ Retir/RIF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Civ Moving | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Info Tech | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other | 32 | 32 | 32 | 32 | 32 | 32 | 194 | |
| MIL PERSONNEL | | | | | | | | |
| Mil Moving | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| OTHER | | | | | | | | |
| HAP / RSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Environmental | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Misn Contract | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1-Time Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL ONE-TIME | 32 | 32 | 32 | 32 | 32 | 32 | 194 | |
| RECURRING NET | | | | | | | | |
| -----(\$K)----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| FAM HOUSE OPS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| O&M | | | | | | | | |
| Sustainment | -170 | -340 | -511 | -681 | -851 | -1,021 | -3,575 | -1,021 |
| Recap | -118 | -235 | -353 | -471 | -588 | -706 | -2,471 | -706 |
| 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 | | | | | | | | |
| Mil Salary | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| House Allow | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| OTHER | | | | | | | | |
| Procurement | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mission Activ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Misc Recur | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL RECUR | -288 | -576 | -864 | -1,151 | -1,439 | -1,727 | -6,046 | -1,727 |
| TOTAL NET COST | -255 | -543 | -831 | -1,119 | -1,407 | -1,695 | -5,851 | -1,727 |

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 5/6
 Data As Of 5/2/2005 9:42:17 AM, Report Created 5/2/2005 9:42:21 AM

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0115 Realign Lima Army Tank Plant\IND 0115 Realign Lima Tank Plant Cobra 05022005.CBR
 Option Pkg Name: Realign Lima Tank Plant
 Std Fctrs File : C:\Documents and Settings\\Desktop\COBRA 6.10\BRAC2005.SFF

| Base: LIMA TANK PLANT, OH (39462) | | | | | | | | |
|-----------------------------------|------|------|------|-------|-------|-------|-------|--------|
| RECURRINGCOSTS | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | Total | Beyond |
| -----(\$K)----- | ---- | ---- | ---- | ---- | ---- | ---- | ----- | ----- |
| 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 | 32 | 32 | 32 | 32 | 32 | 32 | 194 | 0 |
| | | | | | | | | |
| ONE-TIME SAVES | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | Total | Beyond |
| -----(\$K)----- | ---- | ---- | ---- | ---- | ---- | ---- | ----- | ----- |
| CONSTRUCTION | | | | | | | | |
| MILCON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| O&M | | | | | | | | |
| 1-Time Move | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MIL PERSONNEL | | | | | | | | |
| Mil Moving | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| OTHER | | | | | | | | |
| Environmental | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1-Time Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL ONE-TIME | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | |
| RECURRINGSAVES | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | Total | Beyond |
| -----(\$K)----- | ---- | ---- | ---- | ---- | ---- | ---- | ----- | ----- |
| FAM HOUSE OPS | | | | | | | | |
| O&M | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| O&M | | | | | | | | |
| Sustainment | 170 | 340 | 511 | 681 | 851 | 1,021 | 3,575 | 1,021 |
| Recap | 118 | 235 | 353 | 471 | 588 | 706 | 2,471 | 706 |
| 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 | 288 | 576 | 864 | 1,151 | 1,439 | 1,727 | 6,046 | 1,727 |
| TOTAL SAVINGS | 288 | 576 | 864 | 1,151 | 1,439 | 1,727 | 6,046 | 1,727 |

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0115 Realign Lima Army Tank Plant\IND 0115 Realign Lima Tank Plant Cobra 05022005.CBR
 Option Pkg Name: Realign Lima Tank Plant
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

| Base: LIMA TANK PLANT, OH (39462) | | | | | | | | |
|-----------------------------------|-------------|-------------|-------------|---------------|---------------|---------------|---------------|---------------|
| ONE-TIME NET | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | Total | |
| -----(\$K)----- | ---- | ---- | ---- | ---- | ---- | ---- | ----- | |
| CONSTRUCTION | | | | | | | | |
| MILCON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| O&M | | | | | | | | |
| Civ Retir/RIF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Civ Moving | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Info Tech | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Other | 32 | 32 | 32 | 32 | 32 | 32 | 194 | |
| MIL PERSONNEL | | | | | | | | |
| Mil Moving | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| OTHER | | | | | | | | |
| HAP / RSE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Environmental | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Misn Contract | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1-Time Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| TOTAL ONE-TIME | 32 | 32 | 32 | 32 | 32 | 32 | 194 | |
| 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 | -170 | -340 | -511 | -681 | -851 | -1,021 | -3,575 | -1,021 |
| Recap | -118 | -235 | -353 | -471 | -588 | -706 | -2,471 | -706 |
| 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 | | | | | | | | |
| Mil Salary | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| House Allow | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| OTHER | | | | | | | | |
| Procurement | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mission Activ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Misc Recur | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL RECUR | -288 | -576 | -864 | -1,151 | -1,439 | -1,727 | -6,046 | -1,727 |
| TOTAL NET COST | -255 | -543 | -831 | -1,119 | -1,407 | -1,695 | -5,851 | -1,727 |

COBRA ECONOMIC IMPACT REPORT (COBRA v6.10)

Data As Of 5/2/2005 9:42:17 AM, Report Created 5/2/2005 9:42:20 AM

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0115 Realign Lima Army Tank Plant\IND 0115 Realign Lima Tank
 Plant Cobra 05022005.CBR
 Option Pkg Name: Realign Lima Tank Plant
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

| LIMA TANK PLANT, OH (39462) | | | | | | | |
|-----------------------------|------|------|------|------|------|------|-------|
| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | Total |
| Jobs Gained-Mil | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Jobs Lost-Mil | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NET CHANGE-Mil | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Jobs Gained-Civ | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Jobs Lost-Civ | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NET CHANGE-Civ | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 |

SCENARIO ERROR REPORT (COBRA v6.10)

Data As Of 5/2/2005 9:42:17 AM, Report Created 5/2/2005 9:42:20 AM

Department : Industrial
Scenario File : Z:\Cobra\Munitions&Armaments\IND 0115 Realign Lima Army Tank Plant\IND 0115 Realign Lima Tank
Plant Cobra 05022005.CBR
Option Pkg Name: Realign Lima Tank Plant
Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

SCENARIO DATA:

"Industrial" is not a recognized Department.

COBRA INPUT DATA REPORT (COBRA v6.10)
 Data As Of 5/2/2005 9:42:17 AM, Report Created 5/2/2005 9:42:20 AM

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0115 Realign Lima Army Tank Plant\IND 0115 Realign Lima Tank
 Plant Cobra 05022005.CBR
 Option Pkg Name: Realign Lima Tank Plant
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN ONE - GENERAL SCENARIO INFORMATION

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

| | |
|-----------------------------|-------------|
| Base Name, ST (Code) | Strategy: |
| ----- | ----- |
| LIMA TANK PLANT, OH (39462) | Realignment |

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: LIMA TANK PLANT, OH (39462)

| | | | |
|-------------------------------|------------|-------------------------------|------------------------|
| Total Officer Employees: | 4 | Base Service (for BOS/Sust): | Army |
| Total Enlisted Employees: | 0 | Total Sustainment(\$K/Year): | 3,809 |
| Total Student Employees: | 0 | Sustain Payroll (\$K/Year): | 0 |
| Total Civilian Employees: | 41 | BOS Non-Payroll (\$K/Year): | 16,731 |
| Accomp Mil not Receiving BAH: | 0.0% | BOS Payroll (\$K/Year): | 520 |
| Officer Housing Units Avail: | 0 | Family Housing (\$K/Year): | 0 |
| Enlisted Housing Units Avail: | 0 | Installation PRV(\$K): | 271,178 |
| Starting Facilities(KSF): | 1,611 | Svc/Agcy Recap Rate (Years): | 103 |
| Officer BAH (\$/Month): | 835 | Homeowner Assistance Program: | No |
| Enlisted BAH (\$/Month): | 604 | | |
| Civ Locality Pay Factor: | 1.109 | TRICARE | In-Pat Out-Pat |
| Area Cost Factor: | 0.98 | | Admits Visits Prescrip |
| Per Diem Rate (\$/Day): | 86 | CostFactor | 0.00 0.00 0.00 |
| Freight Cost (\$/Ton/Mile): | 0.33 | Actv MTF | 0 0 0 |
| Vehicle Cost (\$/Lift/Mile): | 4.84 | Actv Purch | 0 0 0 |
| Latitude: | 40.700000 | Retiree | 0 0 0 |
| Longitude: | -84.133333 | Retiree65+ | 0 0 0 |

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0115 Realign Lima Army Tank Plant\IND 0115 Realign Lima Tank Plant Cobra 05022005.CBR
 Option Pkg Name: Realign Lima Tank Plant
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

| Name: LIMA TANK PLANT, OH (39462) | 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): | | 432 | FH ShDn: | 0.000% |

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: | | 2.80% |

Department : Industrial
Scenario File : Z:\Cobra\Munitions&Armaments\IND 0115 Realign Lima Army Tank Plant\IND 0115 Realign Lima Tank
Plant Cobra 05022005.CBR
Option Pkg Name: Realign Lima Tank Plant
Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

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 |

Department : Industrial
Scenario File : Z:\Cobra\Munitions&Armaments\IND 0115 Realign Lima Army Tank Plant\IND 0115 Realign Lima Tank
Plant Cobra 05022005.CBR
Option Pkg Name: Realign Lima Tank Plant
Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

FOOTNOTES FOR SCREEN ONE

=====
Realign Lima Tank Plant, OH. Disestablish Tank Manufacturing. Retain the portion required to support the
manufacturing of armored combat vehicles to include Army Future Combat System (FCS) program, Marine
Corps Expeditionary Force Vehicle (EFV) chassis, and M1 Tank recapitalization program.

FOOTNOTES FOR SCREEN FIVE

=====
432KSF: Fac ShDn is derived from Military Value question 2445.

TOTAL COBRA MILITARY CONSTRUCTION ASSETS REPORT (COBRA v6.10)
Data As Of 5/2/2005 9:42:17 AM, Report Created 5/2/2005 9:42:21 AM

Department : Industrial
Scenario File : Z:\Cobra\Munitions&Armaments\IND 0115 Realign Lima Army Tank Plant\IND 0115 Realign Lima Tank
Plant Cobra 05022005.CBR
Option Pkg Name: Realign Lima Tank Plant
Std Fctrs File : C:\Documents and Settings\\Desktop\COBRA 6.10\BRAC2005.SFF

All values in 2005 Constant Dollars

| Base Name | Total MilCon* | Milcon Cost Avoidance | Total Net Costs |
|-----------------|------------------|--------------------------|--------------------|
| LIMA TANK PLANT | 0 | 0 | 0 |
| Totals: | 0 | 0 | 0 |

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

COBRA NET PRESENT VALUES REPORT (COBRA v6.10)
 Data As Of 5/2/2005 9:42:17 AM, Report Created 5/2/2005 9:42:21 AM

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0115 Realign Lima Army Tank Plant\IND 0115 Realign Lima Tank
 Plant Cobra 05022005.CBR
 Option Pkg Name: Realign Lima Tank Plant
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

| Year | Cost (\$) | Adjusted Cost (\$) | NPV (\$) |
|------|------------|--------------------|-------------|
| ---- | ----- | ----- | ----- |
| 2006 | -255,497 | -251,993 | -251,993 |
| 2007 | -543,394 | -521,345 | -773,338 |
| 2008 | -831,291 | -775,836 | -1,549,174 |
| 2009 | -1,119,188 | -1,016,078 | -2,565,252 |
| 2010 | -1,407,084 | -1,242,657 | -3,807,909 |
| 2011 | -1,694,981 | -1,456,139 | -5,264,048 |
| 2012 | -1,727,381 | -1,443,554 | -6,707,602 |
| 2013 | -1,727,381 | -1,404,235 | -8,111,837 |
| 2014 | -1,727,381 | -1,365,988 | -9,477,825 |
| 2015 | -1,727,381 | -1,328,782 | -10,806,607 |
| 2016 | -1,727,381 | -1,292,589 | -12,099,196 |
| 2017 | -1,727,381 | -1,257,382 | -13,356,578 |
| 2018 | -1,727,381 | -1,223,135 | -14,579,713 |
| 2019 | -1,727,381 | -1,189,820 | -15,769,533 |
| 2020 | -1,727,381 | -1,157,412 | -16,926,945 |
| 2021 | -1,727,381 | -1,125,887 | -18,052,833 |
| 2022 | -1,727,381 | -1,095,221 | -19,148,054 |
| 2023 | -1,727,381 | -1,065,390 | -20,213,444 |
| 2024 | -1,727,381 | -1,036,372 | -21,249,816 |
| 2025 | -1,727,381 | -1,008,144 | -22,257,960 |

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0115 Realign Lima Army Tank Plant\IND 0115 Realign Lima Tank
 Plant Cobra 05022005.CBR
 Option Pkg Name: Realign Lima Tank Plant
 Std Fctrs File : C:\Documents and Settings\\Desktop\COBRA 6.10\BRAC2005.SFF

(All values in 2005 Constant Dollars)

| Category | Cost | Sub-Total |
|--|---------|-----------|
| ----- | ---- | ----- |
| Construction | | |
| Military Construction | 0 | |
| Total - Construction | | 0 |
| 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 | 194,400 | |
| Total - Overhead | | 194,400 |
| Moving | | |
| Civilian Moving | 0 | |
| Civilian PPP | 0 | |
| Military Moving | 0 | |
| Freight | 0 | |
| Information Technologies | 0 | |
| One-Time Moving Costs | 0 | |
| Total - Moving | | 0 |
| Other | | |
| HAP / RSE | 0 | |
| Environmental Mitigation Costs | 0 | |
| Mission Contract Startup and Termination | 0 | |
| One-Time Unique Costs | 0 | |
| Total - Other | | 0 |
| ----- | | ----- |
| Total One-Time Costs | | 194,400 |
| ----- | | ----- |
| 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 | | 194,400 |

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0115 Realign Lima Army Tank Plant\IND 0115 Realign Lima Tank
 Plant Cobra 05022005.CBR
 Option Pkg Name: Realign Lima Tank Plant
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: LIMA TANK PLANT, OH (39462)
 (All values in 2005 Constant Dollars)

| Category | Cost | Sub-Total |
|--|---------|-----------|
| ----- | ---- | ----- |
| Construction | | |
| Military Construction | 0 | |
| Total - Construction | | 0 |
| 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 | 194,400 | |
| Total - Overhead | | 194,400 |
| Moving | | |
| Civilian Moving | 0 | |
| Civilian PPP | 0 | |
| Military Moving | 0 | |
| Freight | 0 | |
| Information Technologies | 0 | |
| One-Time Moving Costs | 0 | |
| Total - Moving | | 0 |
| Other | | |
| HAP / RSE | 0 | |
| Environmental Mitigation Costs | 0 | |
| Mission Contract Startup and Termination | 0 | |
| One-Time Unique Costs | 0 | |
| Total - Other | | 0 |
| ----- | | ----- |
| Total One-Time Costs | | 194,400 |
| ----- | | ----- |
| 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 | | 194,400 |

COBRA SUSTAINMENT/RECAP/BOS/HOUSING CHANGE REPORT (COBRA v6.10)
 Data As Of 5/2/2005 9:42:17 AM, Report Created 5/2/2005 9:42:21 AM

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0115 Realign Lima Army Tank Plant\IND 0115 Realign Lima Tank
 Plant Cobra 05022005.CBR
 Option Pkg Name: Realign Lima Tank Plant
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

| Net Change(\$K) | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | Total | Beyond |
|----------------------|-------------|-------------|-------------|---------------|---------------|---------------|---------------|---------------|
| Sustain Change | -170 | -340 | -511 | -681 | -851 | -1,021 | -3,575 | -1,021 |
| Recap Change | -118 | -235 | -353 | -471 | -588 | -706 | -2,471 | -706 |
| BOS Change | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Housing Change | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL CHANGES | -288 | -576 | -864 | -1,151 | -1,439 | -1,727 | -6,046 | -1,727 |

| LIMA TANK PLANT, OH (39462) | | | | | | | | |
|-----------------------------|-------------|-------------|-------------|---------------|---------------|---------------|---------------|---------------|
| Net Change(\$K) | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | Total | Beyond |
| Sustain Change | -170 | -340 | -511 | -681 | -851 | -1,021 | -3,575 | -1,021 |
| Recap Change | -118 | -235 | -353 | -471 | -588 | -706 | -2,471 | -706 |
| BOS Change | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Housing Change | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL CHANGES | -288 | -576 | -864 | -1,151 | -1,439 | -1,727 | -6,046 | -1,727 |

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0115 Realign Lima Army Tank Plant\IND 0115 Realign Lima Tank
 Plant Cobra 05022005.CBR
 Option Pkg Name: Realign Lima Tank Plant
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\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 | 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 | 0 | 0 | 0 | 0 |
| TOTAL CIVILIAN EARLY RETIREMENTS | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL CIVILIAN RIFs | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL CIVILIAN PRIORITY PLACEMENTS# | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL CIVILIAN NEW HIRES | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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

Not all Priority Placements involve a Permanent Change of Station. The rate of PPP placements involving a PCS is 50.70%

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0115 Realign Lima Army Tank Plant\IND 0115 Realign Lima Tank Plant Cobra 05022005.CBR
 Option Pkg Name: Realign Lima Tank Plant
 Std Fctrs File : C:\Documents and Settings\\Desktop\COBRA 6.10\BRAC2005.SFF

| Base: LIMA TANK PLANT, OH (39462)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 |
| Regular Retirement* | 1.67% | 0 | 0 | 0 | 0 | 0 | 0 |
| Civilian Turnover* | 9.16% | 0 | 0 | 0 | 0 | 0 | 0 |
| Civs Not Moving (RIFs)* | 6.00% | 0 | 0 | 0 | 0 | 0 | 0 |
| Civilians Moving (the remainder) | | 0 | 0 | 0 | 0 | 0 | 0 |
| Civilian Positions Available | | 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 |
| Regular Retirement | 1.67% | 0 | 0 | 0 | 0 | 0 | 0 |
| Civilian Turnover | 9.16% | 0 | 0 | 0 | 0 | 0 | 0 |
| Civs Not Moving (RIFs)* | 6.00% | 0 | 0 | 0 | 0 | 0 | 0 |
| Priority Placement# | 39.97% | 0 | 0 | 0 | 0 | 0 | 0 |
| Civilians Available to Move | | 0 | 0 | 0 | 0 | 0 | 0 |
| Civilians Moving | | 0 | 0 | 0 | 0 | 0 | 0 |
| Civilian RIFs (the remainder) | | 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 |
| New Civilians Hired | | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Civilian Additions | | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL CIVILIAN EARLY RETIRMENTS | | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL CIVILIAN RIFs | | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL CIVILIAN PRIORITY PLACEMENTS# | | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL CIVILIAN NEW HIRES | | 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 PERSONNEL YEARLY PERCENTAGES REPORT (COBRA v6.10)
 Data As Of 5/2/2005 9:42:17 AM, Report Created 5/2/2005 9:42:21 AM

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0115 Realign Lima Army Tank Plant\IND 0115 Realign Lima Tank
 Plant Cobra 05022005.CBR
 Option Pkg Name: Realign Lima Tank Plant
 Std Fctrs File : C:\Documents and Settings\\Desktop\COBRA 6.10\BRAC2005.SFF

Base: LIMA TANK PLANT, OH (39462)

| Year | Pers Moved In/Added | | MilCon TimePhase | Pers Moved Out/Eliminated | | ShutDn TimePhase |
|--------|---------------------|---------|---------------------|---------------------------|---------|---------------------|
| | Total | Percent | | Total | Percent | |
| 2006 | 0 | 0.00% | 33.33% | 0 | 0.00% | 16.67% |
| 2007 | 0 | 0.00% | 16.67% | 0 | 0.00% | 16.67% |
| 2008 | 0 | 0.00% | 16.67% | 0 | 0.00% | 16.67% |
| 2009 | 0 | 0.00% | 16.67% | 0 | 0.00% | 16.67% |
| 2010 | 0 | 0.00% | 16.67% | 0 | 0.00% | 16.67% |
| 2011 | 0 | 0.00% | 0.00% | 0 | 0.00% | 16.67% |
| TOTALS | 0 | 0.00% | 100.00% | 0 | 0.00% | 100.00% |

COBRA TOTAL PERSONNEL SUMMARY REPORT (COBRA v6.10)
 Data As Of 5/2/2005 9:42:17 AM, Report Created 5/2/2005 9:42:20 AM

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0115 Realign Lima Army Tank Plant\IND 0115 Realign Lima Tank
 Plant Cobra 05022005.CBR
 Option Pkg Name: Realign Lima Tank Plant
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

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

| Officers | Enlisted | Students | Civilians |
|----------|----------|----------|-----------|
| ----- | ----- | ----- | ----- |
| 4 | 0 | 0 | 41 |

TOTAL PERSONNEL REALIGNMENTS, ENTIRE SCENARIO):

| | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | Total |
|-----------|------|------|------|------|------|------|-------|
| Officers | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Enlisted | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Students | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Civilians | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

TOTAL SCENARIO POSITION CHANGES, ENTIRE SCENARIO:

| | 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 | 0 | 0 | 0 | 0 |
| TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

TOTAL SCENARIO POPULATION (After BRAC Action):

| Officers | Enlisted | Students | Civilians |
|----------|----------|----------|-----------|
| ----- | ----- | ----- | ----- |
| 4 | 0 | 0 | 41 |

Department : Industrial
Scenario File : Z:\Cobra\Munitions&Armaments\IND 0115 Realign Lima Army Tank Plant\IND 0115 Realign Lima Tank
Plant Cobra 05022005.CBR
Option Pkg Name: Realign Lima Tank Plant
Std Fctrs File : C:\Documents and Settings\\Desktop\COBRA 6.10\BRAC2005.SFF

PERSONNEL SUMMARY FOR: LIMA TANK PLANT, OH (39462)

BASE POPULATION (FY 2005, Prior to BRAC Action) FOR: LIMA TANK PLANT, OH (39462)

| Officers | Enlisted | Students | Civilians |
|------------|------------|------------|-------------|
| ----- 4 | ----- 0 | ----- 0 | ----- 41 |

BASE POPULATION (After BRAC Action) FOR: LIMA TANK PLANT, OH (39462)

| Officers | Enlisted | Students | Civilians |
|------------|------------|------------|-------------|
| ----- 4 | ----- 0 | ----- 0 | ----- 41 |

Economic Impact Report

This report depicts the economic impact of the following Scenarios:

IND-0115: Realign Lima Tank Plant

The data in this report is rolled up by Region of Influence

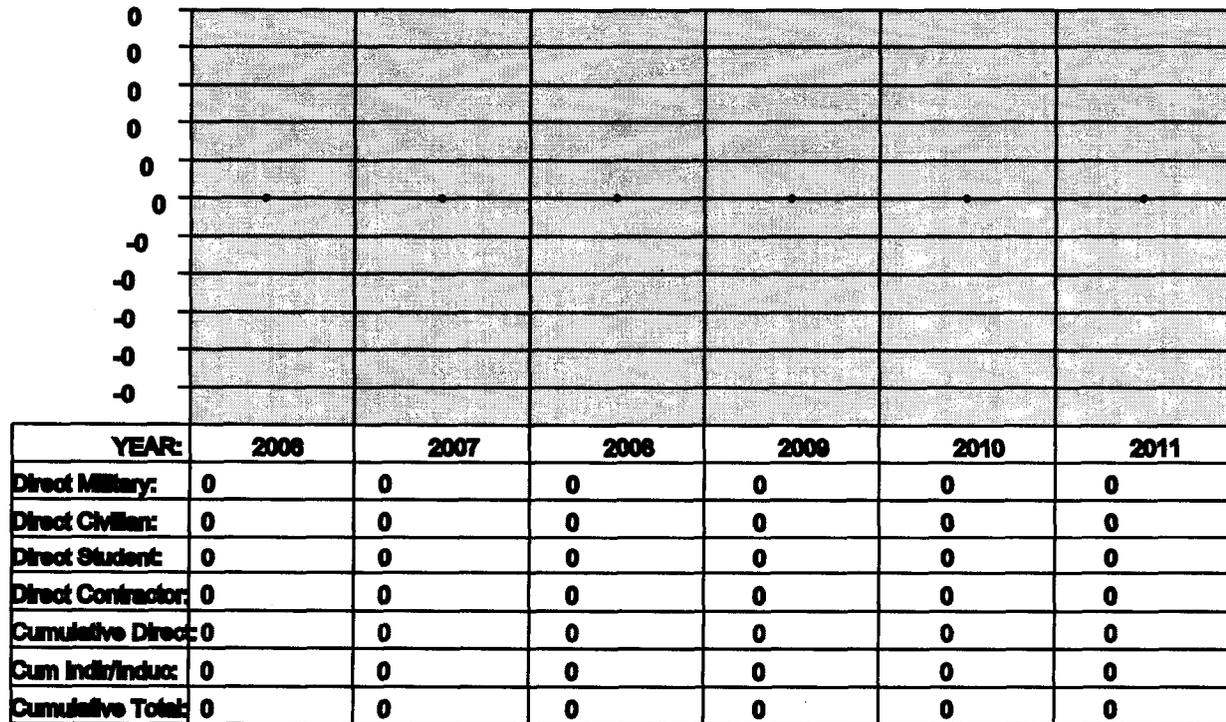
ECONOMIC IMPACT DATA

Scenario: All Selected (see title page)
 Economic Region of Influence(ROI): Lima, OH Metropolitan Statistical Area
 Base: All Bases
 Action: All Actions

Overall Economic Impact of Proposed BRAC-05 Action:

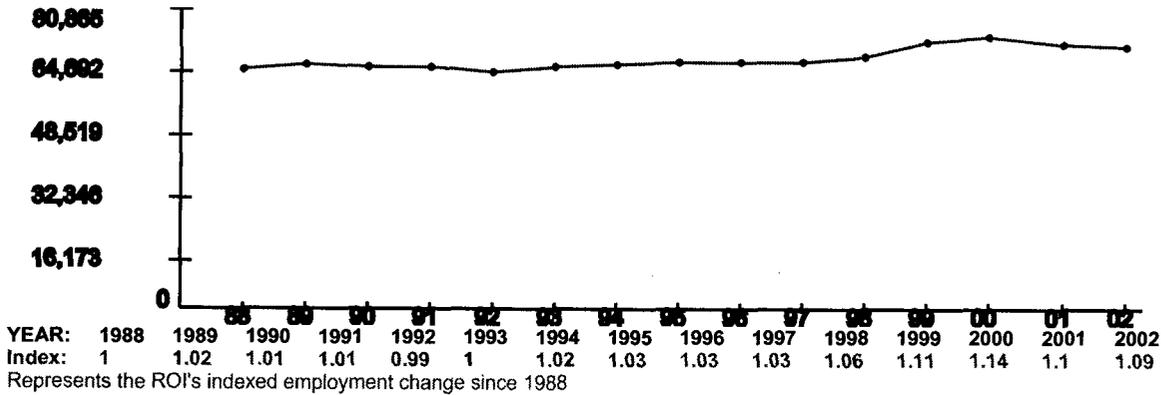
ROI Population (2002): 108,113
 ROI Employment (2002): 70,835
 Authorized Manpower (2005): 45
 Authorized Manpower(2005) / ROI Employment(2002): 0.06%
 Total Estimated Job Change: 0
 Total Estimated Job Change / ROI Employment(2002): 0%

Cumulative Job Change (Gain/Loss) Over Time:

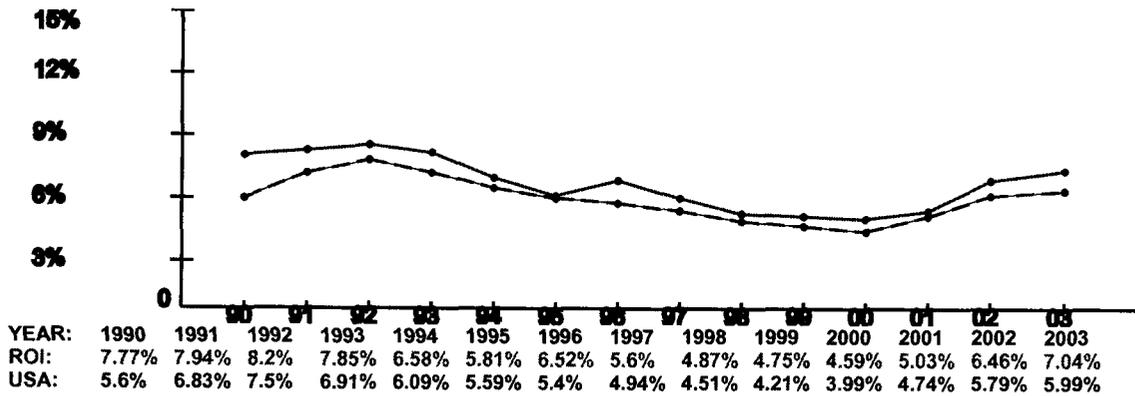


Lima, OH Metropolitan Statistical Area Trend Data

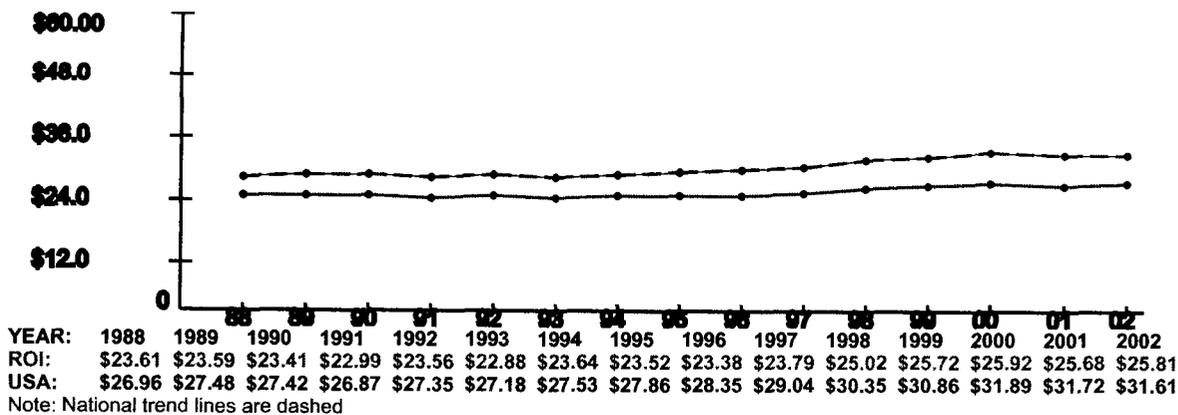
Employment Trend (1988-2002)



Unemployment Percentage Trend (1990-2003)



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



LIMA ARMY TANK PLT, OH

Demographics

The following tables provide a short description of the area near the installation/activity. LIMA ARMY TANK PLT is 69.7 miles from Dayton, OH, the nearest city with a population of 100,000 or more. The nearest metropolitan statistical area (MSA) is

| MSA | Population |
|----------|------------|
| Lima MSA | 155,084 |

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

| County/City | Population |
|-------------|------------|
| Allen | 108473 |
| Total | 108,473 |

Child Care

This attribute captures the number of nationally accredited child-care centers within the local community: 0

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) | \$39,284 | Basis: MSA |
| Median House Value | (US Avg \$119,600) | \$84,900 | |
| GS Locality Pay | ("Rest of US" 10.9%) | 10.9% | |
| O-3 with Dependents BAH Rate | | \$ 835 | |
| In-state Tuition for Family Member | | Yes | |
| In-state Tuition Continues if Member PCSs Out of State | | | |

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.

This document may contain information protected from disclosure by public law, regulations or orders.

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 | 23,235 | 9 of 9 districts |
| Students Enrolled | 17,427 | 9 of 9 districts |
| Average Pupil/Teacher Ratio | 16.0:1 | 9 of 9 districts |
| High School Students Enrolled | 5,440 | 9 of 9 districts |
| Average High School Graduation Rate (US Avg 67.3%) | 85.2% | 9 of 9 districts |
| Average Composite SAT I Score (US Avg 1026) | | 9 of 9 districts |
| Average ACT Score (US Avg 20.8) | 2 | 9 of 9 districts |
| Available Graduate/PhD Programs | 4 | |
| Available Colleges and/or Universities | 7 | |
| Available Vocational and/or Technical Schools | 5 | |

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 | 4.5% | 4.2% | 4.8% | 6.2% | 6.3% |
| 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 | 2.6% | .5% | -1.1% | -1.7% | 1.2% |
| National | 1.5% | 2.4% | .03% | -.31% | .86% |
| Basis: | 1 of 1 county | 1 of 1 county | 1 of 1 county | MSA | 1 of 1 county |

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 | 4,693 | Basis: MSA |
| Vacant Sale Units | 813 | |
| Vacant Rental Units | 1,821 | |

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 | 278 | 645 | 155,084 | Basis: MSA |
| Ratio | 1:558 | 1:240 | | |
| 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 | 3,662.0 | 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 LIMA ARMY TANK PLT to nearest commercial airport: 63.0 miles
 Is LIMA ARMY TANK PLT served by regularly scheduled public transportation? No

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 FINAL VERSION]

SCENARIO # 187

TITLE: IND-0115V2 REALIGN LIMA TANK PLANT

GENERAL DESCRIPTION:

REALIGN LIMA TANK PLANT, OH. RETAIN THE PORTION REQUIRED TO SUPPORT THE MANUFACTURING OF ARMORED COMBAT VEHICLES TO INCLUDE ARMY FUTURE COMBAT SYSTEM PROGRAM (FCS), MARINE CORPS EXPEDITIONARY FORCE VEHICLE (EFV) CHASSIS, AND M1 TANK RECAPITALIZATION PROGRAM

NOTES: NO ENVIRONMENTAL COSTS APPLY SINCE ONLY A PORTION OF THE INSTALLATION WILL BE "MOTHBALLED" BY THE ARMY.

ANALYST: _____

LAST UPDATE: 27 APRIL 2005

| Env Resource Area | <i>Losing Installation Assessment</i> Inst Name: Lima Tank Plant | Analyst Comments (& data source(s) that drive assessment) |
|---|---|--|
| Air Quality | No impact | Environmental impact in all 10 areas is considered neutral or positive to losing installation. |
| Cultural/ Archeological 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);
SCENARIO # IND-0115V2 (187)**

IMPACTS OF COSTS

| Env Resource Area | Gaining Installation Inst Name: N/A | Losing Installation Inst Name: Lima Tank Plant |
|-----------------------------------|--|---|
| Environmental Restoration* | None. | None |
| Waste Management | None. | None |
| Environmental Compliance | None. | None |
| COBRA Costs: | None. | None |

INSTALLATION ENVIRONMENTAL PROFILE

LIMA ARMY TANK PLT

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 PM_{2.5}). 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. LIMA ARMY TANK PLT is in Attainment for all Criteria Pollutants. LIMA ARMY TANK PLT is proposed to be in Moderate Nonattainment for Ozone (8 hour). LIMA ARMY TANK PLT is proposed to be in Moderate Nonattainment for PM 2.5. It holds a CAA Major Operating Permit. LIMA ARMY TANK PLT is in an area projected or proposed to be designated nonattainment for the 8-hour Ozone or the PM_{2.5} NAAQS. 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. No historic property has been identified on LIMA ARMY TANK PLT. There is no programmatic agreement for historic property in place with the SHPO. It does not have sites with high archeological potential identified.

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. LIMA ARMY TANK PLT 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. LIMA ARMY TANK PLT reports that 83 unconstrained acres are available for development out of 369 total acres. LIMA ARMY TANK PLT has spent \$0M thru FY03 for environmental restoration, and has estimated the remaining Cost to Complete at \$0M. LIMA ARMY TANK PLT does not have Explosive Safety Quantity Distance Arcs.

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. LIMA ARMY TANK PLT 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. LIMA ARMY TANK PLT does not have noise contours that extend off the installation's property. It does not have published noise abatement procedures for the main installation.

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. LIMA ARMY TANK PLT reported that federally-listed TES are not present, candidate species are not present, critical habitat is not present, and the installation does not have a Biological Opinion.

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

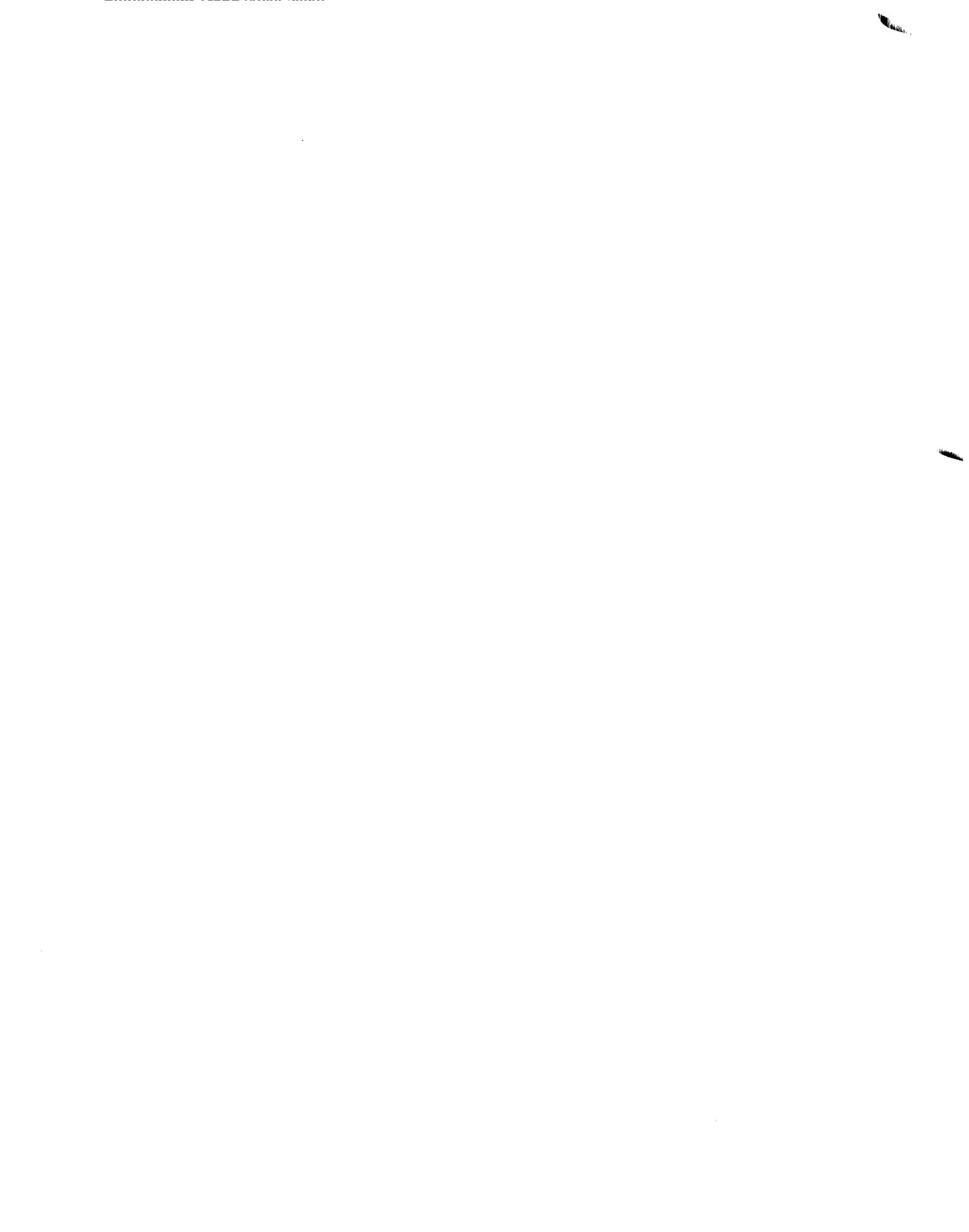
- a. This resource area identifies whether the installation has existing waste treatment and/or disposal capabilities, whether there is additional capacity, and in some case whether the waste facility can accept off-site waste. This area includes Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal facilities, solid waste disposal facilities, RCRA Subpart X (open/burning/open detonation) and operations.
- b. LIMA ARMY TANK PLT does not have a permitted RCRA Treatment Storage and Disposal Facility (TSDF). LIMA ARMY TANK PLT does not have an interim or final RCRA Part X facility. LIMA ARMY TANK PLT 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. LIMA ARMY TANK PLT does not discharge 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):
LIMA ARMY TANK PLT has 4984.6000000000004 Acre-Feet of surplus water potentially available for expansion. On average, it uses .07 MGD of potable and non-potable water, with the capacity to produce 4.2999999999999998 MGD. It processed on average 0 MGD of domestic wastewater in the peak month (past 3 years), with the capacity to process 0.374 MGD. It processed on average 7.0000000000000007E-2 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. LIMA ARMY TANK PLT reported 3% wetland restricted acres on the main installation, and no wetland restricted acres on ranges.



Recommendation Detail

156 Ind - 10 **Lima Tank Plant, OH** Y N **156**

DoD Description Realign Lima Tank Plant, OH. Retain the portion required to support the manufacturing of armored combat vehicles to include Army Future Combat System (FCS) program, Marine Corps Expeditionary Force Vehicle (EFV) chassis, and M1 Tank recapitalization program.

COBRA Data

| 1 Time Costs (\$M) | Rank/190 | % Total | Payback (Years) | 6 Year Net (\$M) | Rank/190 | 20-Year NPV (\$M) | Rank/190 | % Total |
|--------------------|----------|---------|-----------------|------------------|----------|-------------------|----------|---------|
| \$0.20 | 188 | 0.00% | Immediate | (\$5.85) | 57 | (\$22.30) | 123 | 0.05% |

Lead Analyst

Job Impact at Affected Bases

| Action | Base Name | State | Net Mil. | Net Civ. | Net Cont. | Total Dir. | Total InDir. | Total Chng |
|---|------------|-------|----------|----------|-----------|------------|--------------|------------|
| Realign | Fort Lewis | OH | 0 | 0 | 0 | 0 | 0 | 0 |
| Net jobs for this Recommendation | | | 0 | 0 | 0 | 0 | 0 | 0 |

Other OSD Recommendations

***See Appendix - Alphabetical Listing of Bases

157 Ind - 11 **Mississippi Army Ammunition Plant, MS** Y N **157**

DoD Description Close Mississippi Army Ammunition Plant, MS. Relocate the 155MM ICM artillery metal parts functions to Rock Island Arsenal, IL.

COBRA Data

| 1 Time Costs (\$M) | Rank/190 | % Total | Payback (Years) | 6 Year Net (\$M) | Rank/190 | 20-Year NPV (\$M) | Rank/190 | % Total |
|--------------------|----------|---------|-----------------|------------------|----------|-------------------|----------|---------|
| \$32.40 | 104 | 0.13% | 7 | \$10.75 | 111 | (\$38.60) | 109 | 0.08% |

Lead Analyst

Job Impact at Affected Bases

| Action | Base Name | State | Net Mil. | Net Civ. | Net Cont. | Total Dir. | Total InDir. | Total Chng |
|---|--------------------------------------|-------|----------|-----------|------------|------------|--------------|------------|
| Closure | Mississippi Army Ammunition Plant | MS | 0 | -4 | -50 | -54 | -35 | -89 |
| Realign | Undistributed or Overseas Reductions | US | 0 | 1 | 0 | 1 | 0 | 1 |
| Net jobs for this Recommendation | | | 0 | -3 | -50 | -53 | -35 | -88 |

Other OSD Recommendations

***See Appendix - Alphabetical Listing of Bases

Response to:

Memorandum for Frank Cirillo, Director Review and Analysis

Authored by Jay Berry,
Executive Secretary, July 22, 2005

BRAC Commission Question: What methodology was used to determine the existence of excess space in the production facilities at the Joint Systems Manufacturing Center? Please provide details. The recommendation does not provide a figure corresponding to the excess space in the production facilities. Why wasn't a figure included in the recommendation? What was the computed figure?

OSD BRAC Clearinghouse Answer: Military Value question asked for the square footage of Armaments manufacturing production facilities. Certified data reported 1179 KSF. The COBRA run for this recommendation identified the excess space and the source of the data.

Task Force Lima Response and Clarification:

The floor space study applied in the COBRA assessment mischaracterizes the nature of effective space utilization required for a manufacturing operation.

All manufacturing operations, whether private or government owned, require floor area for manufacturing support operations such as maintenance, material storage and staging, electrical substations, etc... Such areas are vital to a manufacturing operation, but, are not recognized as manufacturing areas per Army Real Property Account requirements. Assuming that these areas are targets for space reduction is incorrect.

BRAC Commission Question: What effect do changes in sustained programs, the introduction of new programs, and the significant change in the projected man-hours resulting from these changes have on the excess space identified by the IJCSG? In view of this updated information, has this recommendation been invalidated by the subsequent events beyond the data call and data certification dates? If excess space still exists, what areas of the production facilities should be realigned? What should be done with that space?

OSD BRAC Clearinghouse Answer: The briefing infers that the Lima Army Tank Plant realignment recommendation was based on the certified data provided by the site. That is not true. The certified data gathered for capacity and military value data showed very little workload out past FY 2005, subsequently the

original recommendation for Lima Army Tank Plant was complete closure. Beyond FY 2005, there were no requirements for the Army's Future Combat System (FCS) or the Marine Corps Expeditionary Force Vehicle (EFV). During the deliberative process, the Department of the Army prepared a memo signed by the Assistant Secretary of the Army and the Marine Corps prepared memo signed by the assistant Deputy Commandant for Installations and Logistics stating that the closure of Lima will have a critical impact on the war-fighter and to recreate a vehicle chassis manufacturing facility would cost at least \$30M. Memorandum from both military departments ensured the IJCSG that their future acquisition strategies include using Lima Army Tank Plant to produce the EFV and FCS (For EFV, low rate initial production (LRIP) is scheduled as early as FY 2006 with production as late as FY 2009 and last delivery in FY 2018. For FCS, at this time, no production, or LRIP is scheduled through FY 2009). The IJCSG agreed that if the Marines and the Army actually plan to use Lima it made no sense to close and rebuild. In the future, if the Program Managers ops not to use Lima, we will be back to the picture painted by the certified data and we will have retained excess capacity. At the time that the IJCSG made its recommendation, all the IJCSG had were the memorandums from the Army and the Marine Corps and possible workload. The capacity retained in the recommendation includes the manufacturing of the FCS and the EFV and the M1Tank recap program and the updated information contained in the briefing support the IJCSG's decision.

Much of the workload that is left at Lima ends in the FY 2004, 2006, 2010 timeframe and overlaps with the future workload. Building 147 is the major production facility and cannot be closed, but many of the other numerous buildings like 266, 281, 186 317, etc. can be closed and building 147 made into a more efficient building that can house manufacturing for the M1 Recap, EFV, and FCS. Synergy and efficiency can be created through the inclusion of production (for DoD and FMS customers), recap, reset, welding school (allowing on the job experience), common areas that can service more than one commodity, shipping and receiving, test and acceptance, and office space in the same facility. This will more fully utilize bldg 147 and allow the complete closure of peripheral buildings that are underutilized.

Task Force Lima Response and Clarification:

Since submission of the 2004 Datacall the manufacturing backlog at JSMC has increased by 114% for the FY2005 through FY2009 timeframe, thereby undermining the validity of the original study and forthcoming recommendations for space reduction.

The certified data in the 2004 submission identified an increase in JSMC workload of 7.5% for the FY2005 through FY2009 timeframe. Since the original submission, the increases in manufacturing orders for Abrams and Stryker programs have contributed to a total workload increase for JSMC of 114%.

In addition to the increase in Abrams/Stryker backlog, JSMC also has commitments to the EFV and FCS Programs. The certified data for JSMC also shows a workload for FCS and EFV beyond FY 2005. A Memorandum of Understanding between the DA and USMC dated 13 August 2001 was signed, which requires the utilization of the Lima facility for manufacturing the EFV vehicles. This work is scheduled to commence in FY 2006 and the existing plan schedules EFV production at JSMC through FY 2020. For the army's FCS Program, JSMC is performing work for various manufacturing development contracts issued to GDLS through Boeing. No firm LRIP and full production schedules have been established due to the infancy of the program. Therefore the statement that there were no requirements for FCS or EFV beyond FY 2005 is erroneous.

Other work has also been realized since the 2004 submission. In 4th quarter of FY 2005 LAV turret production will start at JSMC for the U.S. Marine Corp.

The most recent data call to JSMC calculated production floor space utilization at 95%.



BRAC 2005 - Query Response Manager



Response to E0486

Question:

Multiple Questions See message with attachments.

Request separately identified answers from both JCSG and Army on all questions sent in the emails transmitted immediately prior: Hawthorne AD, Chem Depots, Sierra AD, Rock Island Arsenal, Ammunition Plants, Watervliet Arsenal and Lima Tank Plant.

Answer:

1. Reference: Memorandum for Frank Cirillo, Director Review and Analysis dated 22 July 05 from the Industrial Joint Cross Service Group; OSD BRAC Clearinghouse#C605.

2. Current utilization of buildings at Lima Army Tank Plant, Ohio:

a. Manufacturing Area

Currently, Joint Systems Manufacturing Center (JSMC)-Lima utilizes 4 primary buildings in support of manufacturing

Building 147 – Primary Manufacturing Building

Total Square Footage 1,018,000

Unutilized 62,531

o Building 266 – Vehicle Test and Acceptance

Total Square Footage 86,275

Unutilized 0

o Building 281 – Vehicle Final Paint, Prep and Load

Total Square Footage 37,824

Unutilized 0

o Building 351 – Secure Manufacturing Facility (Special Armor)

Total Square Footage 150,211

Unutilized N/A

Total -----1,290,000 square feet

Unutilized----- 62,531 square feet

b. Manufacturing Support

• Building 186 – Engineering Center, General Dynamics Land Systems (GDLS)--- This facility houses the following GDLS operations: Computer Operations, Engineering, Government Furnished Material (GFM) storage, manufacturing tool room, electronics lab, and small parts packaging
Total Square Footage 118,495
Unutilized 0

• Building 317 – Motor Pool, Rolling Stock Battery Charging Facility, Locomotive Repair, and Motor Pool Work Basin.
Total Square Footage 35,136
Unutilized 0

3. Other Considerations

- All of the above facilities are used to support the following programs:
 - oAbrams
 - oStryker
 - oFuture Combat System (FCS)
 - oExpeditionary Force Vehicle (EFV)
- The referenced memo recommended we consolidate buildings 266, 281, 186, and 317 into the main manufacturing building 147.
- The four buildings recommended for consolidation equate to approximately 278,000 square feet.
- There is only 62,531 square feet of vacant space available in building 147. This space is divided into 7 pockets of which the largest is 11,500 square feet.
- In order to consolidate all 62,531 square feet into one area it is estimated to cost \$9,800,000 with a recurring annual cost of \$1,687,000.
- This investment can only accommodate either building 281 or building 317.
- There is insufficient space to consolidate all buildings into building 147. Therefore the recommendation of consolidating activities is not executable.

4. Finally, it should be recognized that JSMC-Lima is a Government Owned Contractor Operated (GOCO) facility operated by GDLS. GDLS has been provided contractually rent free use during execution of the above stated program contracts. Since this is a GOCO any attempt to consolidate or lease space will require contractual negotiations with GDLS. There is also a potential to cause disruption to the GDLS operation if we lease or consolidate space, thus creating an environment for GDLS to file a claim.

References:

Approved By:

A handwritten signature in black ink, appearing to read "Lambert". The signature is written in a cursive style with a large initial "L" and a horizontal line at the end.

Date: 09-Aug-05

INFORMATION PAPER

AMSTA-CS-N

UNCLASSIFIED

5 Aug 05

SUBJECT: Request Reconsideration of BRAC 2005 Recommendation IND 0115 for the Joint Systems Manufacturing Center(JSMC)-Lima

1. Purpose. Request BRAC 2005 recommendation IND 0115 be deleted due to its expense and lack of feasibility.

2. Reference: Memorandum for Frank Cirillo, Director Review and Analysis dated 22 July 05 from the Industrial Joint Cross Service Group

a. Manufacturing Area

- Currently, JSMC-Lima utilizes 4 primary buildings in support of manufacturing
 - Building 147 – Primary Manufacturing Building
 - Total Square Footage 1,018,000
 - Unutilized 62,531
 - Building 266 – Vehicle Test and Acceptance
 - Total Square Footage 86,275
 - Unutilized 0
 - Building 281 – Vehicle Final Paint, Prep and Load
 - Total Square Footage 37,824
 - Unutilized 0
 - Building 351 – Secure Manufacturing Facility (Special Armor)
 - Total Square Footage 150,211
 - Unutilized N/A
- Total -----1,290,000 square feet**
Unutilized----- 62,531 square feet

b. Manufacturing Support

- Building 186 – Engineering Center, General Dynamics Land Systems (GDLS)--- This facility houses the following GDLS operations: Computer Operations, Engineering, GFM storage, manufacturing tool room, electronics lab, and small parts packaging
 - Total Square Footage 118,495
 - Unutilized 0
- Building 317 – Motor Pool, Rolling Stock Battery Charging Facility, Locomotive Repair, and Motor Pool Work Basin.
 - Total Square Footage 35,136
 - Unutilized 0

c. Other Considerations

- All of the above facilities are used to support the following programs:
 - Abrams
 - Stryker
 - FCS
 - EFV
- The referenced memo recommended we consolidate buildings 266, 281, 186, and 317 into the main manufacturing building 147.
- The four buildings recommended for consolidation equate to approximately 278,000 square feet.
- There is only 62,531 square feet of vacant space available in building 147. This space is divided into 7 pockets of which the largest is 11,500 square feet.
- In order to consolidate all 62,531 square feet into one area it is estimated to cost \$9,800,000 with a recurring annual cost of \$1,687,000.
- This investment can only accommodate either building 281 or building 317.
- There is insufficient space to consolidate all buildings into building 147 as suggested by Jay Berry. Therefore the recommendation of consolidating activities is not executable.

- d. Finally, it should be recognized that JSMC-Lima is a Government Owned Contractor Operated (GOCO) facility operated by GDLS. GDLS has been provided contractually rent free use during execution of the above stated program contracts. Since this is a GOCO any attempt to consolidate or lease space will require contractual negotiations with GDLS. There is also a potential to cause disruption to the GDLS operation if we lease or consolidate space, thus creating an environment for GDLS to file a claim.

In conclusion, there appears to be no benefit to the Army in consolidating space to lease to the public.

PRINCE YOUNG, JR.
BRAC Transformation Office
Lead
DSN 786-7216

INDUSTRIAL JOINT CROSS SERVICE GROUP

August 2, 2005

MEMORANDUM FOR R. GARY DINSICK, ARMY TEAM LEADER

Subject: Lima Tank Plant , OSD BRAC Clearinghouse Tasker C0684

The following is in response to your e-mail inquiry of July 2, 2005, where you asked the following:

1. *Confirm that no personnel are impacted by this recommendation.*
 - There are no personnel impacted by this recommendation
2. *How was the determination made that the DoD only requires the capability for the Army Future Combat System (FCS), Marine Corps Expeditionary Force Vehicle (EFV) chassis, and the M1 Tank?*
 - The IJCSG collected data to identify requirement out through 2025. The only requirements identified were for M1 Tank recap for foreign military sales. During deliberations, the Army and the Marine Corps identified a need for future requirements. Final site retention was based on military judgment.
3. *Based on the latest POM/PRESBUD position, what is the workload for each of these systems through the POM? How much is funded?*
 - M1 Recap requirements are foreign military sales and there is no budget for this
 - POM/PRESBUD shows no requirements for FCS
 - POM/PRESBUD shows Low Rate Initial Production requirements for EFV in FY 2008 and 2009. Funding for 34 units.
4. *Although not specifically noted in the recommendation, does this action disestablish any capabilities? If so, what specific capabilities does this recommendation disestablish?*
 - No it does not disestablish any capability. Workload just does not exist/requirements do not exist.
5. *Reference Clearing House tasker #C0605 buildings that will no longer be required, for what are they currently utilized? Who is using them?*
 - During the BRAC analysis, Lima was recommended for closure because there was no workload. At that time, Lima was operational because they were pulling forward workload from FY 2006 and 2007. Space was available and utilized, without a need to synchronize for synergy. During the BRAC process and the identification of future workload from the Army and the Marine Corps allows Lima to *more fully utilize some buildings and closedown those that are not in use.*

These buildings were not used or used for functions that can be relocated to building #147 for future workload on the Expeditionary Fighting Vehicles (EFV) and Future Combat System (FCS)(i.e. bldg #266 was used for final test and acceptance/planned for Expeditionary Fighting Vehicles (EFV), bldg #261 is planned for EFV preparation for shipment, etc)

- General Dynamics is the contractor on site.
6. *Reference Clearing House tasker #C0605 the question was asked regarding the methodology for determining excess square footage at Lima, however, the response fails to answer that question. Please specifically address how 432K square feet of excess was determined/calculated. Was it just a calculation of utilized space as a percentage of available space? Why was some of this "excess" not left to manage any potential surge? If workload has changed, should this increase not be taken into consideration?*
- 432KSF was a calculation of the delta between the total facility square footage identified in COBRA and the certified usable square footage numbers identified by LIMA in their Military Value questions.
 - The ability to surge, especially with a tank manufacturing plant, is determined more on the ability to surge labor resources not facilities resources.
 - The recommendation does take into consideration the future requirements.
7. *If the intent is to divest the Army of excess property, why does this need to be accomplished through BRAC?*
- It is critical that this recommendation go forward under the BRAC umbrella. The only reason that Lima remains open is because military judgment through deliberative sessions identified a need for its presence based on future DoD needs. Because this decision was made primarily through military judgment, it falls into the realm of BRAC and the planned acquisition strategy needs to become a part of public law.
8. *Provide the current 2005 percentage of facility utilization.*
- 94.9%

Should additional information be required, feel free to contact me at 703-560-4317 or e-mail jberry@gallows.vacoxmail.com


Jay Berry
Executive Secretary

Delgado, George, CIV, WSO-BRAC

From: detersk@gdls.com
Sent: Friday, August 05, 2005 11:59 AM
To: george.delgado@wso.whs.mil; robert.dinsick@wso.whs.mil
Subject: Frank Cirillo Questions

Attachments: Response to Memorandum for Frank Cirillo.doc



Response to
emorandum for Fra.

George

As we discussed earlier by phone, I've attached our response to Mr Frank Cirillo's questions directed to Mr Bob Meyer on 20 July 2005 (JCS#16). The response we received by the Executive Secretary, Jay Berry did not fully answer Mr Cirillo's questions and lead one to believe that manufacturing floor space was available for reduction at JSMC-Lima.

We appreciate you and Gary taking the time to review our response to Mr Cirillo's questions and will be available to provide any additional information you may need to clarify this issue.

Keith Deters
JSMC - Lima

(See attached file: Response to Memorandum for Frank
Cirillo.doc)

This is an e-mail from General Dynamics Land Systems. It is for the intended recipient only and may contain confidential and privileged information. No one else may read, print, store, copy, forward or act in reliance on it or its attachments. If you are not the intended recipient, please return this message to the sender and delete the message and any attachments from your computer. Your cooperation is appreciated.

Response to:

Memorandum for Frank Cirillo, Director Review and Analysis

Authored by Jay Berry,
Executive Secretary, July 22, 2005

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DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION
2521 CLARK STREET, SUITE 600
ARLINGTON, VIRGINIA 22202
(703) 699-2950

MEMORANDUM OF MEETING

DATE: July 27, 2005

TIME: 2:00 pm

MEETING WITH: CRA International

SUBJECT: Lima Tank Plant

PARTICIPANTS:

- **Steven C. Grundman, Vice President, Director of Aerospace & Defense Consulting, phone numbers 617-425-3000; 617-425-3168 (direct)**
- **James Hasik, Consultant, phone number 512-299-1269 (direct)**

Commission Staff:

- **George M. Delgado, Joint and Cross Services – Industrial***
- **Elizabeth Bieri, Army**

MEETING SUMMARY:

- Messrs. Grundman and Hasik indicated that they were not at liberty to reveal the identity of the customer on whose behalf they were visiting us.
- Their client's concern is that the wording in the Secretary of Defense's justification for realigning the Lima Tank Plant is directive as to the manufacturing location of the vehicle chassis for the Future Combat System (FCS) and that if such is DoD's intent it will stymie competition by excluding consideration of other existing or new sites during the competition for the FCS.
- The consultants contend that BRAC does not have the authority to involve itself in acquisition strategy and suggested removal of the directive language in the justification during the Commission's final deliberations and vote.
- Ms. Bieri and I told the two consultants that we would not initiate any action unless their customer officially brought this request to the Commission and upon an official request we would have to check with our General Counsel regarding BRAC's authority to change justification language.
- The meeting was adjourned at 3:00 pm

* Denotes individual responsible for completing the memorandum

MICHAEL G. OXLEY
FOURTH OHIO DISTRICT

2308 RAYBURN HOUSE OFFICE BUILDING
WASHINGTON, DC 20515-3504
(202) 225-2676

<http://oxley.house.gov>

COMMITTEE ON
FINANCIAL SERVICES

CHAIRMAN

DCN5696



Congress of the United States
House of Representatives
Washington, DC 20515-3504

July 21, 2005

100 EAST MAIN CROSS STREET
FINLAY, OH 46840-4861
(419) 423-3210

3121 WEST ELM PLAZA
LIMA, OH 46805-2516
(419) 599-6455

24 WEST THIRD STREET
ROOM 314
MANSFIELD, OH 44902-1299
(419) 522-5757

TOLL-FREE IN OHIO
(800) 472-4154

The Honorable Anthony J. Principi
Chairman
Base Realignment and Closure Commission
2521 South Clark Street
Suite 600
Arlington, Virginia 22202

Dear Chairman Principi:

Thank you for making BRAC Commission staffers Gary Dinsick and George Delgado available to meet with my constituents from Lima's Joint Systems Manufacturing Center (JSMC) (formerly the Lima Army Tank Plant) on June 29. My office appreciated the outstanding assistance of Christine Hill of the commission's congressional affairs office in setting up this meeting.

As you know, the Department of Defense has recommended JSMC-Lima for realignment: the elimination of 27 percent of the plant's production space. I believe that this recommendation is based on old data obtained very early in the BRAC process. Since that time, JSMC has gained significant new work, including assembly work for the Marine Corps' Expeditionary Fighting Vehicle and a significant expansion of the plant's Abrams tank upgrade programs. In short, JSMC is now utilizing virtually all available production space, and must retain this space to comply with the BRAC requirement to "retain the portion required to support the manufacturing of armored combat vehicles" for the Army and Marine Corps.

During their meeting with JSMC leaders and community officials, Mr. Dinsick and Mr. Delgado requested that Lima write an impact statement explaining how JSMC's operations would be negatively affected by the proposed reduction. That statement is attached; consistent with all applicable rules and regulations governing your work, I ask that you give it careful consideration as you conduct your deliberations on the BRAC list.

Thank you for your attention to this request and for your service as chairman of the BRAC Commission.

Yours truly,

A handwritten signature in black ink, appearing to read "M. Oxley", written over a large, stylized flourish.

Michael G. Oxley, M.C.
Fourth Ohio District

MGO/jbd

TASK FORCE LIMA

Linked In Mutual Alliance
147 North Main Street
Lima, Ohio 45801

Description: Provide Impacts on production Programs resulting from the Reduction of 27% of the Production Building Square Footage for Joint Systems Manufacturing Center (formerly Lima Army Tank Plant).

THE OSD-PROPOSED REDUCTION OF PRODUCTION AREA AT THE JOINT SYSTEMS MANUFACTURING CENTER (JSMC) IS CONTRADICTORY TO THE DOD DIRECTIVE TO MAINTAIN PRODUCTION CAPABILITY FOR ABRAMS, EFV, AND FCS.

THE BUILDINGS AT JSMC CONTAIN APPROXIMATELY 1.21 MSF OF COMBAT VEHICLE PRODUCTION AREA. ABRAMS RESET, USMC EFV, AND STRYKER REQUIREMENTS HAVE INCREASED SUBSTANTIALLY SINCE THE BRAC DATACALL WAS COMPLETED.

(1) THE M1 ABRAMS MAIN BATTLE TANK WORK INCLUDING M1A2 SEP, AIM, RESET AND FOREIGN MILITARY SALES REQUIRES .416 MSF OF PRODUCTION SPACE.

(2) THE EFV AND STRYKER FABRICATION/ASSEMBLY WORK REQUIRES .351 MSF OF PRODUCTION SPACE.

(3) THERE IS APPROXIMATELY .5 MSF OF PRODUCTION AREA THAT IS COMMON TO TWO OR MORE PROGRAMS (INCLUDING PAINT BOOTHS, COMPONENT MACHINING, AISLEWAYS, ETC.).

WITH THIS INCREASED WORKLOAD THE PROJECTED AVAILABLE SQUARE FOOTAGE AT THE JSMC IN FY06 EQUATES TO APPROXIMATELY 3.1% OF THE TOTAL PRODUCTION SF. IN OTHER WORDS, THE INSTALLATION IS USING 96.9% OF THE AVAILABLE PRODUCTION SQUARE FOOTAGE FOR ITS WORKLOAD REQUIREMENTS. THE 3.1% VACANT AREAS ARE DISCONTINUOUS AND SCATTERED THROUGHOUT THE PRODUCTION FACILITY WITH INDIVIDUAL AREAS VARYING FROM 1,500 TO 11,000 SF IN SIZE. SINCE THE OSD BRAC RECOMMENDATIONS DIRECT LIMA JSMC TO RETAIN THE PRODUCTION SPACE REQUIRED TO SUPPORT THE M1 TANK, EFV, AND FCS PROGRAMS THIS RECOMMENDED SPACE REDUCTION WOULD BE INCONSISTENT WITH OSD BRAC DIRECTIVES.

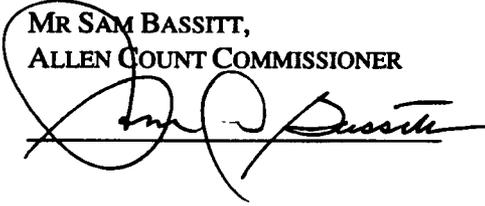
RECOMMENDATION:

RECOMMEND THAT THE DIRECTION TO REDUCE 27% OF THE PRODUCTION SQUARE FOOTAGE AT LIMA BE ELIMINATED FROM THE BRAC LIST AND THAT THE DIRECTION BE LEFT TO REALIGN THE LIMA ARMY TANK PLANT TO BECOME THE JOINT SYSTEMS MANUFACTURING CENTER AND RETAIN ONLY THE NECESSARY INFRASTRUCTURE TO SUPPORT THE MANUFACTURE OF THE ARMY FUTURE COMBAT SYSTEM (FCS), MARINE CORPS EFV, STRYKER FABRICATION, AND ABRAMS RECAP PROGRAMS.

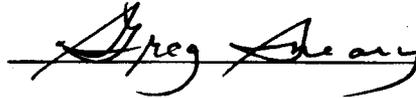
VERY TRULY YOURS,

TASK FORCE LIMA
STEERING COMMITTEE

MR. SAM BASSITT,
ALLEN COUNTY COMMISSIONER



MR. GREG SNEARY
ALLEN COUNTY COMMISSIONER



MR. DAN REIFF
ALLEN COUNTY COMMISSIONER



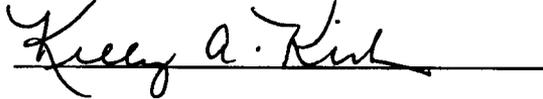
MR. DAVID BERGER
MAYOR, CITY OF LIMA



MS. JUDITH M. COWAN
GOVERNORS REGION 3 REPRESENTATIVE



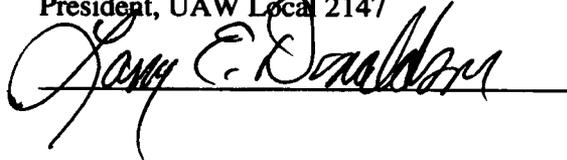
MS. KELLY KIRK
CONGRESSMAN MICHAEL OXLEY'S OFFICE



MR. JEFF MONROE
President UAW Local 2075



MR. LARRY DONALDSON
President, UAW Local 2147



Marcel W. Wagner Jr., President
Allen Economic Development Group



INDUSTRIAL JOINT CROSS SERVICE GROUP

July 22, 2005

MEMORANDUM FOR FRANK CIRILLO, DIRECTOR REVIEW AND ANALYSIS

Subject: Lima Army Tank Plant, OSD BRAC Clearinghouse #C0605

The following is in response to your e-mail inquiry of July 20, 2005, where you asked the following:

Question: What methodology was used to determine the existence of excess space in the production facilities at the Joint Systems Manufacturing Center? Please provide details. The recommendation does not provide a figure corresponding to the excess space in the production facilities. Why wasn't a figure included in the recommendation? What was the computed figure?

Answer: Military Value question asked for the square footage of Armaments manufacturing production facilities. Certified data reported 1179 KSF. The COBRA run for this recommendation identifies the excess space and the source of the data.

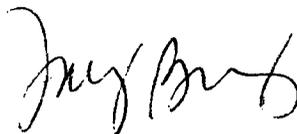
Question: What effect do changes in sustained programs, the introduction of new programs, and the significant change in the projected man-hours resulting from these changes have on the excess space identified by the IJCSG? In view of this updated information, has this recommendation been invalidated by subsequent events beyond the data call and data certification dates? If excess space still exists, what areas of the production facilities should be realigned? What should be done with that space?

Answer: The briefing infers that the Lima Army Tank Plant realignment recommendation was based on the certified data provided by the site. That is not true. The certified data gathered for capacity and military value data showed very little workload out past FY 2005, subsequently the original recommendation for Lima Army Tank Plant was complete closure. Beyond FY 2005, there were no requirements for the Army's Future Combat System (FCS) or the Marine Corps Expeditionary Force Vehicle (EFV). During the deliberative process, the Department of the Army prepared a memo signed by the Assistant Secretary of the Army and the Marine Corps prepared memo signed by the Assistant Deputy Commandant for Installations and Logistics stating that the closure of Lima will have a critical impact on the war-fighter and to recreate a vehicle chassis manufacturing facility would cost at least \$30M. Memorandum from both military departments ensured the IJCSG that their future acquisition strategies include using Lima Army Tank Plant to produce the EFV and FCS (For EFV, low rate initial production (LRIP) is scheduled as early as FY 2006 with production as late as FY 2009

and last delivery in FY 2018. For FCS, at this time, no production, or LRIP, is scheduled through FY 2009). The IJCSG agreed that if the Marines and the Army actually plan to use Lima it made no sense to close and rebuild. In the future, if the Program Managers ops not to use Lima, we will be back to the picture painted by the certified data and we will have retained excess capacity. At the time that the IJCSG made its recommendation, all the IJCSG had were the memorandums from the Army and the Marine Corps and possible workload. The capacity retained in the recommendation includes the manufacturing of the FCS and the EFV and the M1Tank recap program and the updated information contained in the briefing support the IJCSG's decision.

Much of the workload that is left at Lima ends in the FY 2004, 2006, 2010 timeframe and overlaps with the future workload. Building 147 is the major production facility and cannot be closed, but many of the other numerous buildings like 266, 281, 186, 317, etc can be closed and building 147 made into a more efficient building that can house manufacturing for the M1 Recap, RFV, and FCS. Synergy and efficiency can be created through the inclusion of production (for DoD and FMS customers), recap, reset, welding school (allowing on the job experience), common areas that can service more than one commodity, shipping and receiving, test and acceptance, and office space in the same facility. This will more fully utilize bldg 147 and allow the complete closure of peripheral buildings that are underutilized.

Should additional information be required, feel free to contact me at 703-560-4317 or e-mail jberry@gallows.vacoxmail.com



Jay Berry
Executive Secretary

TASKER#: COMMISSION BRIEFING ON 29 JUNE 2005

DESCRIPTION: PROVIDE IMPACTS ON PRODUCTION PROGRAMS RESULTING FROM THE REDUCTION OF 27% OF THE PRODUCTION BUILDING SQUARE FOOTAGE.

The buildings at JSMC contain approximately 1.21 M SF of combat vehicle production area. With the increase in the RESET, EFV, & Stryker efforts which has occurred since the BRAC analysis was performed, the projected available square footage in FY06 equates to approximately 3.1% of the total production SF. The remaining vacant areas are discontinuous and scattered throughout the production facility and the individual areas vary from 1,500 SF to 11,000 SF in size. Therefore the 27% reduction would require the elimination of production efforts which occupy a minimal of 324,000 SF. Based upon program footprint requirements, the following 2 options are available to achieve the 27% objective.

Option 1: Elimination of all Abrams related workload to include M1-A2, AIM, RESET, and Foreign Military Sales (FMS). All Abrams programs should be considered as a single entity since common fixturing and processes are used. This would eliminate approximately 416,371 SF (35%). The Abrams workload will need to be evaluated for termination or relocation to another site(s). The remaining production effort at Lima would encompass the Stryker, Expeditionary Fighting Vehicle (EFV), & Future Combat Systems (FCS) programs.

Option 2: Elimination of Stryker and EFV Fabrication/Assembly workloads. This would eliminate approximately 351,105 SF (29%). The Stryker and EFV workload will need to be evaluated for termination or relocation to another site(s). The remaining production effort would encompass the Abrams & FCS programs.

Neither of the aforementioned options are consistent with the DOD recommendation to "Retain the portion required to support the manufacturing of armored combat vehicles to include Army Future Combat System (FCS) program, Marine Corps Expeditionary Force Vehicle (EFV) chassis, and M1 Tank recapitalization program." Option 1 would exclude the Abrams Recap program and Option 2 would exclude the EFV program. In addition, the existing and pending production contracts related to the relocated programs in each option will require a cost and schedule adjustment due to the change in the production site.



MEMORANDUM OF MEETING

DATE: 29 June 2005

TIME: 10:30-11:30

MEETING WITH: Lima, Ohio community representatives

SUBJECT: Recommended realignment of Joint Systems Manufacturing Center, Lima, Ohio.

PARTICIPANTS:

David Berger; Mayor, Lima, Ohio; 419-228-5462
Keith Deters; Plant Manager, General Dynamics Land Systems; 419-21-7100
James Gallagher; Consultant, The Gallagher Group; 703-527-1135
Jared Dilley; Legislative Assistant, Rep. Oxley (OH); 202-225-2676

Commission Staff:

Gary Dinsick, Army Team Leader
George Delgado, Joint Cross Services Analyst
***Aaron Butler, Army Team Associate Analyst**

MEETING SUMMARY:

1. The recommendation does not result in a loss of jobs for the Joint Systems Manufacturing Center (JSMC), but does require 27% reduction in the physical plant.
2. There has been a significant capacity change in the 18 months between the data call and the recommendation. These include:
 - a. M1A1s in Reset,
 - b. M1A1 sales to Australia,
 - c. USMC's Expeditionary Fighting Vehicle,
 - d. 6 Strker related programs,
 - e. Mobile Gun System
3. The center has expanded from 450 to 759 employees to meet production requirements with 100% plant capacity utilization.
4. Lima, OH was the most effected city in Ohio during the prior two BRACs; marking reduction of 8800 of 55000 area jobs.

Delgado, George, CIV, WSO-BRAC

Subject: Updated: R&A Meeting with Ohio Representatives
Location: Conference Room B

Start: Wed 6/29/2005 10:30 AM
End: Wed 6/29/2005 11:30 AM

Recurrence: (none)

Meeting Status: Accepted

Required Attendees: Dinsick, Robert, CIV, WSO-BRAC; Delgado, George, CIV, WSO-BRAC

Requested meeting to discuss the propose land reduction at the Joint Systems Manufacturing Center (formerly Lima Tank Plant) -

Attendees:

Keith Deters, Plant Manager at JSMC-Lima

Lima Mayor David Berger

Possibly an Allen County Commissioner

Jeff Monroe, President of the UAW Local 2075 (hourly workers at JSMC-Lima)

Judy Cowan, Ohio Department of Development regional coordinator for Lima

Jamie Gallagher of the Gallagher Group (JSMC's BRAC consultant)

Kelly Kirk and/or Jared Dilley with the Oxley office

POC: Jared Dilley (CM Oxley) 202-225-2676

Commission Attendees: Gary Dinsick, George Delgado

LA: Christine

Joint Systems Manufacturing Center
(formerly the Lima Army Tank Plant)

Keith Deters

Plant Manager

General Dynamics Land Systems

Dave Berger

Mayor

City of Lima, Ohio

Introduction

- Purpose is to update BRAC on changing production requirements
- OSD BRAC recommendation based on 2004 datacall
- 2004 datacall information substantially changed
- Realignment figures in OSD recommendation need to be updated to reflect current requirements

Recommendations

DOD BRAC Recommendation:

- Realign Lima Tank Plant
- Retain portion required to support manufacture of armored combat vehicles to include Army FCS, USMC EFV, and M1 Tank recap program (Volume 1, Section 6, Pg Ind-10)

Industrial Joint Service Group Final Report. Identical to DOD BRAC Recommendation language (Pg. 52)

DA Analysis & Recommendations

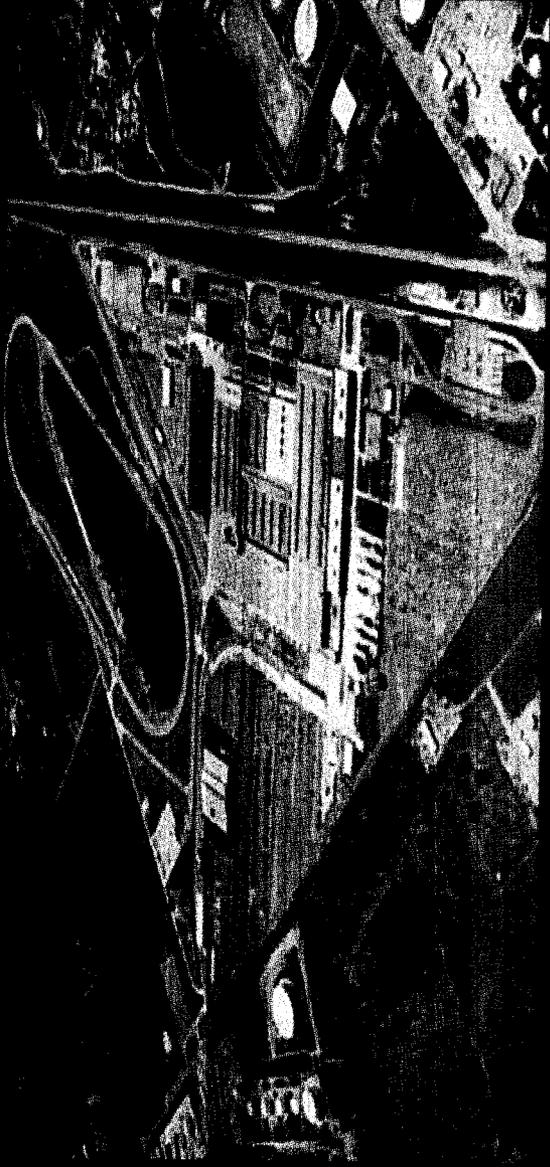
- Identical language to DOD BRAC Recommendation & Joint Service report (Vol. III, Pg. 67)

COBRA Personnel/SF/Sustainment: Indicates a 27% square foot reduction in building area.

BRACO Website-BRAC 2005 Army recommendations (at the state link for Ohio):

- Army intends to transform LAMP to JSMC supporting manufacture of armored combat vehicles.
 - Gains: None
 - Losses: 27% reduction in footprint.

Facility & Features



- Government Owned Contractor Operated (GOCO)
- 369 Total Acres
- Four Major Manufacturing Buildings, 1.6 M Sq. Ft.
- 759 General Dynamics Employees
- 57 U.S. Government Civilian Employees
- 3 Army Personnel
- Powerhouse with Coal & Gas Fired Boilers
- 5 Miles of Railroad with 2 Rail Spurs
- Secured Area for Fabrication/Assembly

JSMC Content Growth Since 2004

Escalation of JSMC Projected / Planned Work Since 2004

Changing Environment has Resulted in Near Term Programs

- Sustained Programs
 - Abrams Integrated Management – US & Australian
 - Abrams Systems Enhancement Program
 - Egyptian

- New Programs
 - Abrams Reset
 - U.S. Marine Corps' Expeditionary Fighting Vehicle (EFV)
 - Stryker Programs
 - ✓ Slat Armor
 - ✓ Mobile Gun System
 - ✓ Stryker Common Ballistic Shield
 - ✓ Canadian Mobile Gun System
 - ✓ Light Armored Vehicle Turrets
 - ✓ Slat Spares

**Abrams Integrated
Management**

**Mobile Gun
System**

**Expeditionary
Fighting Vehicle**

**Light Armored
Vehicle Turret**

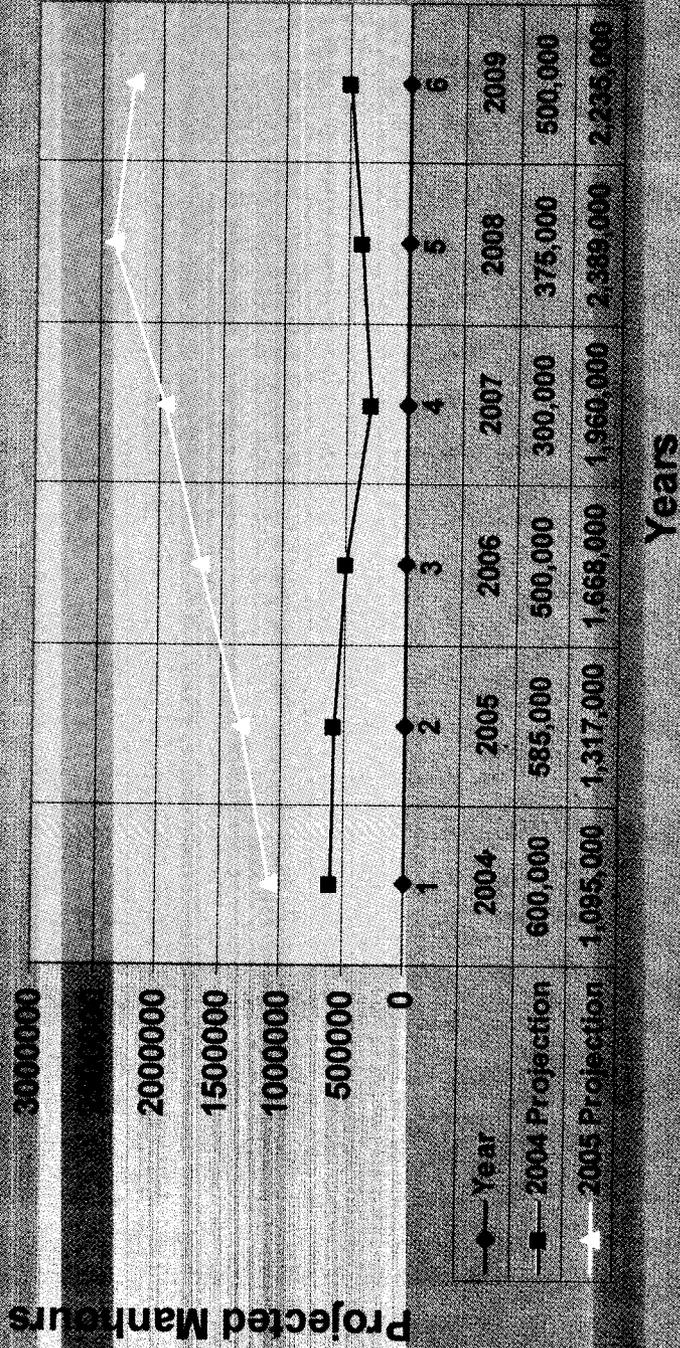
**Stryker
Slat Armor**

**Abrams Systems
Enhancement Program**



Escalation of JSMC Manhours Since 2004

JSMC Projected Manhours



Used in Data calls

◆ Year
 ■ 2004 Projection
 ▲ 2005 Projection

Conclusion

- OSD BRAC recommendation based on 2004 data call
- Basis for 2004 data call substantially changed
- Realignment figures in OSD recommendation need to be updated to reflect current requirements
- JSMC Lima should retain 100% of its manufacturing capacity in order to continue uninterrupted production of Abrams tanks, Marine Corps EFVs, Army Strykers, and the Future Combat System

Joint Systems Manufacturing Center
(formerly the Lima Army Tank Plant)

Keith Deters

Plant Manager

General Dynamics Land Systems

Dave Berger

Mayor

City of Lima, Ohio

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DA Analysis & Recommendations

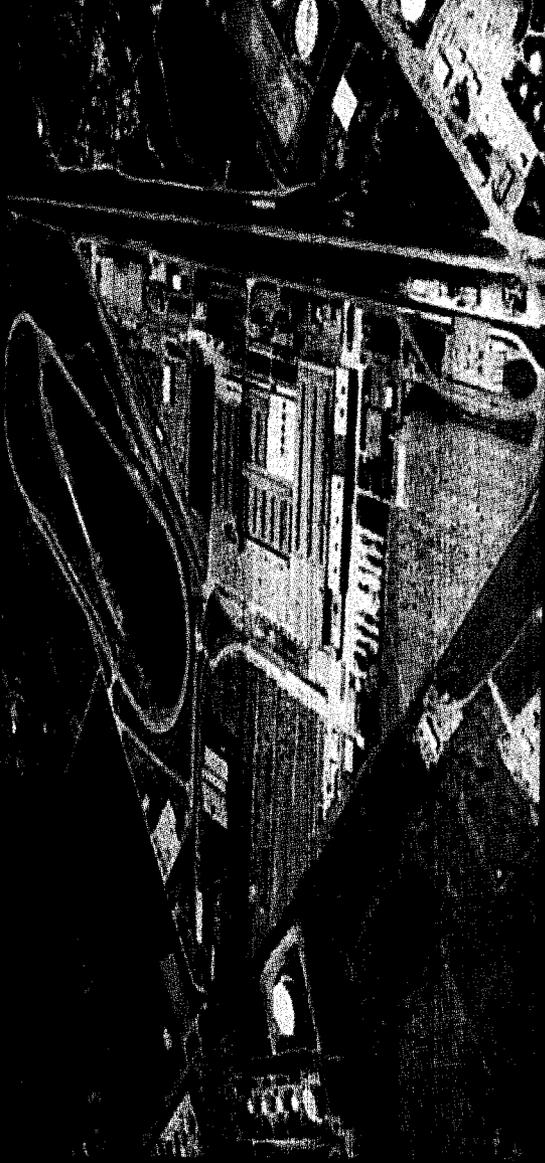
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- New Programs
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 - ✓ Stryker Common Ballistic Shield
 - ✓ Canadian Mobile Gun System
 - ✓ Light Armored Vehicle Turrets
 - ✓ Slat Spares

**Abrams Integrated
Management**

**Expeditionary
System**

**Expeditionary
Fighting Vehicle**

**Light Armored
Vehicle Turret**

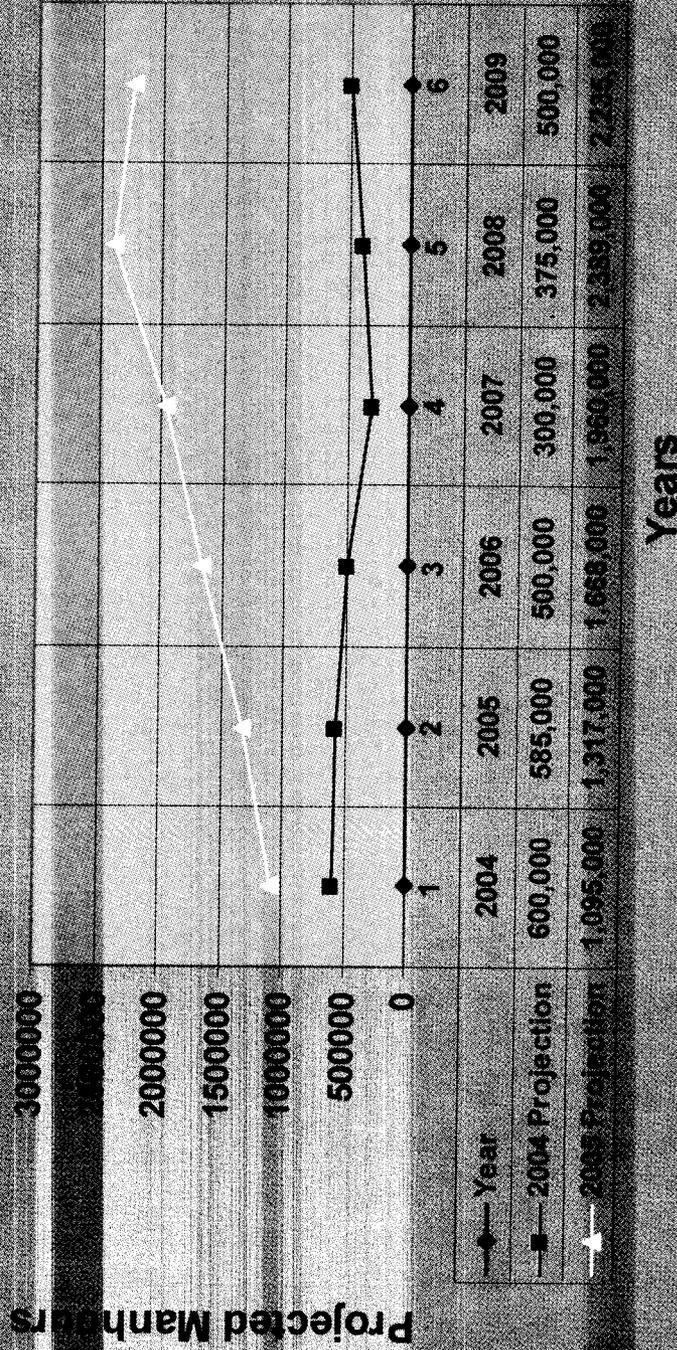
**Stryker
Slat Armor**

**Abrams Systems
Enhancement Program**



Escalation of JSMC Manhours Since 2004

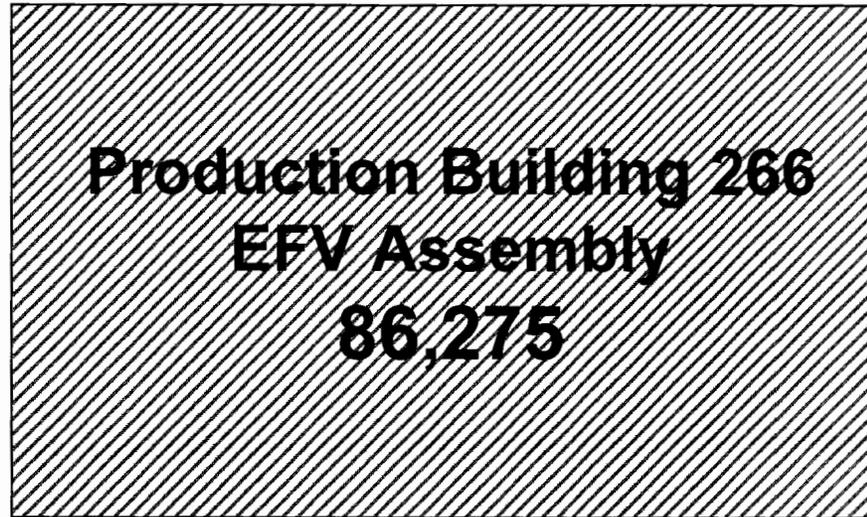
JSMC Projected Manhours



JSMC Program Breakout

| Programs | CY04 | | CY05 | | CY06 | | CY07 | | CY08 | | CY09 | | |
|--|-------|-----------|-------|-----------|-------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|
| | Units | Hours | Units | Hours | Units | Hours | Units | Hours | Units | Hours | Units | Hours | |
| SEP Upgrade | 60 | 199,562 | | | | | | | | | | | |
| EGYPT | 48 | 105,005 | 48 | 102,365 | 48 | 108,633 | 48 | 129,251 | 29 | 19 | 111,939 | 48 | 109,351 |
| EGYPT 120S | | | | | | | 50 | 133,654 | 50 | | 128,560 | 50 | 135,322 |
| AIM | 125 | 310,392 | 120 | 290,566 | 120 | 345,298 | 115 | 330,910 | 115 | | 328,410 | 115 | 335,231 |
| Australia MBT | | | 12 | 100,542 | 24 | 182,348 | 23 | 216,957 | | | | | |
| Stryker/MGS/CANADA | 266 | 211,261 | 378 | 278,383 | 475 | 103 | 339,501 | 272 | 301,975 | 265 | 256,830 | 210 | 203,526 |
| Stryker SLAT Armor | 403 | 54,233 | 243 | 85,642 | *578 | | 67,007 | 272 | 59,600 | 265 | 80,260 | 210 | 63,602 |
| Stryker SLAT Armor Spares | 114 | 20,505 | 30 | 10,852 | 30 | 7,760 | | | | | | | |
| SCBS (Stryker Common Ballistic Shields) | | | | | 578 | 56,644 | 272 | 26,656 | 265 | 25,970 | 210 | 20,580 | |
| LAV Turrets | | | | | 35 | 29,400 | 175 | 147,000 | 79 | | 66,360 | | |
| SEP Retro/Add On | 19 | 142,100 | 65 | 225,189 | 64 | 244,424 | | | 30 | | 159,913 | 54 | 243,405 |
| SEP Other 3rd ID | | | | | | | 60 | 238,798 | 120 | | 372,322 | 60 | 259,913 |
| RESET | 12 | 42,322 | 99 | 223,625 | 96 | 283,222 | 48 | 184,644 | | | | | |
| Saudi SEP Retrofit | | | | | | | 25 | 95,478 | 100 | | 371,912 | 100 | 371,912 |
| Kuwait SEP Retrofit | | | | | | | 24 | 91,659 | 96 | | 366,636 | 89 | 339,902 |
| Mk46 Mod 1A (Naval Gun Weapon Systems) | | | | | 6 | 3,356 | 6 | 3,145 | | | | | |
| EFV-LRIP (Marines) | 4 | 10,452 | | | | | | | 14 | | 119,935 | 20 | 152,128 |
| EFV-Production (Marines) | | | | | | | | | | | | | |
| FCS-Pre Prod. | | | | | | | | | | | | | |
| FCS-LRIP/FRP | | | | | | | | | | | | | |
| Total Per Year | 1051 | | 995 | | 1573 | | 1390 | | 1447 | | | 1166 | |
| Total On-Roll Manpower | 548 | | 759 | | 867 | | 992 | | 1,208 | | | 1144 | |
| Expected Hours Worked | | 1,095,832 | | 1,317,164 | | 1,667,593 | | 1,959,727 | | 2,389,048 | | 2,234,873 | |

Plant Layout 2007



| <u>Total Sq. Ft. Utilized Per Program</u> | |
|---|------------------|
| Abrams – | 416,371 |
| Stryker – | 94,314 |
| FCS – | 30,599 |
| EFV Fab. – | 170,516 |
| EFV Assy. – | 86,275 |
| Common Area – | 319,728 |
| Plate Processing – | <u>43,344</u> |
| TOTAL: | 1,161,147 |

*** 27% would amount to a reduction of
313,509 square feet**

Conclusion

- OSD BRAC recommendation based on 2004 data call
- Basis for 2004 data call substantially changed
- Realignment figures in OSD recommendation need to be updated to reflect current requirements
- JSMC Lima should retain 100% of its manufacturing capacity in order to continue uninterrupted production of Abrams tanks, Marine Corps EFVs, Army Strykers, and the Future Combat System



CHAPTER 6, SEC. 156: LIMA TANK PLANT - OH

(JUSTIFICATION SLIDE)

THANK YOU MR. VAN SAUN.

MR. CHAIRMAN AND COMMISSIONERS, THE
DEPARTMENT OF DEFENSE JUSTIFIES THE
REALIGNMENT OF THE LIMA TANK PLANT BY
ASSERTING THAT CAPACITY AND CAPABILITY FOR
ARMORED COMBAT VEHICLES EXISTS AT THREE SITES
WITH LITTLE REDUNDANCY AMONG THE SITES.

NO MISSIONS RELOCATE THROUGH THIS
RECOMMENDATION AND IT REQUIRES MAINTAINING
CAPABILITIES FOR THE ARMY FUTURE COMBAT
SYSTEM, THE MARINE CORPS EXPEDITIONARY FORCE
VEHICLE AND THE ARMY M1 ABRAMS

RECAPITALIZATION PROGRAMS. THE DOD STATES THAT ESTABLISHING THIS CAPABILITY ELSEWHERE WOULD HINDER THE DEPARTMENT'S ABILITY TO MEET THE ARMY AND MARINE CORPS FUTURE PRODUCTION SCHEDULES. THIS RECOMMENDATION REDUCES THE MANUFACTURING FOOTPRINT AND ALLOWS DOD TO REMOVE EXCESS FROM THE INDUSTRIAL BASE AND GENERATE EFFICIENCIES WITHIN THE MANUFACTURE AND MAINTENANCE OF COMBAT VEHICLES.

THE DOD COST ANALYSIS SHOWS A ONE TIME COST OF \$200,000 DOLLARS, A 20-YEAR NET PRESENT VALUE SAVINGS OF \$22.26 MILLION DOLLAR AND AN IMMEDIATE PAYBACK PERIOD. THE RECOMMENDATION DOES NOT CHANGE EMPLOYMENT LEVELS AT THE LIMA TANK PLANT

(ISSUES SLIDE)

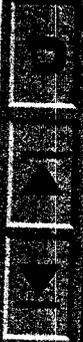
This slide summarizes the key issues that were developed during analysis of this recommendation and are grouped by their associated selection criteria.

THE COMMUNITY ASSERTED THAT INCREASED WORKLOAD HAS SIGNIFICANTLY INCREASED PLANT UTILIZATION SINCE THE DATA COLLECTION EFFORT IN 2003. COMMUNITY MEMBERS NOTED THAT A REDUCED MANUFACTURING FOOTPRINT WOULD REQUIRE TERMINATION OR RELOCATION OF ALL ABRAMS RELATED WORKLOAD OR ALL STRYKER AND EXPEDITIONARY FIGHTING VEHICLE WORKLOAD.

STAFF ANALYSIS FOUND THAT ABRAMS TANK, STRYKER, AND EXPEDITIONARY FIGHTING VEHICLE

WORKLOAD HAS IN FACT INCREASED. ADDITIONALLY, PROTOTYPE WORK ON THE FUTURE COMBAT SYSTEM HAS STARTED AT THE LIMA TANK PLANT. PLANT MANUFACTURING SPACE UTILIZATION HAS ABSORBED MOST OF THE 27% EXCESS SPACE CALCULATED BY DOD AND IS NOW 95%. FUTURE WORKLOAD PROJECTIONS SUSTAIN THIS LEVEL OF UTILIZATION. EXISTING EXCESS SPACE, THE LARGEST CONTIGUOUS SPACE CONSISTING OF 11,000 SQUARE FEET, TYPICALLY INVOLVES COMMON OR SHARED MANUFACTURING SUPPORT SPACES BETWEEN THE PRODUCTION LINES, MAKING RECONFIGURATION VERY DIFFICULT. RELOCATION OF EXISTING PRODUCTION LINES MAY BE DISRUPTIVE TO PRODUCTION SCHEDULES AND INCURR SIGNIFICANT COSTS.

In conclusion, Mr. Chairman and Commissioners we found that for the Newport Chemical Depot recommendation there was deviation from final criteria 1 and 3. This concludes my testimony and we are ready to answer questions you or the other commissioners may have.





**Lima Tank
Plant, OH**

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SECRET

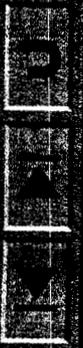




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Deviation from Final Selection Criteria

Military Value Other

| Criterion | <u>C1</u> | C2 | <u>C3</u> | C4 | <u>C5</u> | C6 | C7 | C8 |
|-----------|-----------|----|-----------|----|-----------|----|----|----|
| Deviation | X | | X | | | | | |

≠ Deviation





COBRA DATA

| | DoD |
|--|--------------------|
| | COBRA Run |
| One Time Cost | \$0.2 M |
| Net Implementation (Savings) | (\$5.9 M) |
| Annual Recurring (Savings) | (\$1.7 M) |
| Payback Period | Immediately |
| Net Present Value at 2025 (Savings) | (\$22.3 M) |

Analysis: Lima Tank Plant, OH (Industrial # 10, Realign)

- IJCSG determined that 27% excess footprint in production floor space could be reduced
- No loss of jobs for the installation
- DoD BRAC recommendation requires retaining portion needed to support manufacture of armored combat vehicles to include Army FCS, USMC EFV, and M1 Tank recap program
- Army intends to transform LATP to Joint Systems Manufacturing Center (JSMC) supporting manufacture of armored combat vehicles.
- The community contends that due to program changes since the BRAC data calls there has been a significant change in capacity requirements and utilization at the plant.
- The community argues that a 27% reduction in the manufacturing footprint would require termination or relocation of either all Abrams related workload or Stryker and Expeditionary Fighting Vehicle.
- IJCSG reports current utilization rate of 94.9% plant management reports 95%
- Changing Environment has Resulted in Near Term Programs
 - Sustained Programs
 - Abrams Integrated Management – US & Australian
 - Abrams Systems Enhancement Program
 - Egyptian
 - New Programs
 - Abrams Reset
 - U.S. Marine Corps' Expeditionary Fighting Vehicle (EFV)
 - Stryker Programs
 - Slat Armor
 - Mobile Gun System
 - Stryker Common Ballistic Shield
 - Canadian Mobile Gun System
 - Light Armored Vehicle Turrets
 - Slat Spares
- Workload projection for 2004 through 2009 shows increase from 1.095 MMH to 2.235 MMH
- The center has expanded from 450 to 759 employees to meet production requirements with 100% plant capacity utilization.
- Certified data reported 1179 KSF manufacturing production facilities
- LATP leaders and community officials report buildings contain approximately 1.21 MSF of combat vehicle production area
- Abrams reset, USMC EFV and Stryker requirements have increased substantially since data call:
 - M1A1 work including M1A2 SEP, AIM, Reset and Foreign Military Sales requires .416 MSF of production space

Analysis: Lima Tank Plant, OH (Industrial # 10, Realign)

- EFV and Stryker fabrication/assembly requires .351 MSF of production space
 - Existing plan schedules for EFV manufacturing is scheduled to commence in FY 2006 and run through FY 2020
- There is approximately .5 MSF of production area common to two or more programs (manufacturing support operations, paint booths, component machining, maintenance, material storage and staging, electrical substations)
- Installation will use in FY 06 96.9% of production square footage for its workload requirements
- Projected available square footage at FY 06 is approximately 3.1% of total production SF.
 - Vacant areas discontinuous and scattered vary from 1,500 to 11,000 SF in size
- Army reported (8-9-05) Current utilization of buildings at Lima Army Tank Plant, Ohio:
 - Manufacturing Area: Currently, Joint Systems Manufacturing Center (JSMC)-Lima utilizes 4 primary buildings in support of manufacturing
 - Building 147 – Primary Manufacturing Building
 - Total Square Footage 1,018,000
 - Unutilized 62,531
 - Building 266 – Vehicle Test and Acceptance
 - Total Square Footage 86,275
 - Unutilized 0
 - Building 281 – Vehicle Final Paint, Prep and Load
 - Total Square Footage 37,824
 - Unutilized 0
 - Building 351 – Secure Manufacturing Facility (Special Armor)
 - Total Square Footage 150,211
 - Unutilized N/A
 - Total -----1,290,000 square feet
 - Unutilized----- 62,531 square feet
 - Manufacturing Support
 - Building 186 – Engineering Center, General Dynamics Land Systems (GDLS)--- This facility houses the following GDLS operations: Computer Operations, Engineering, Government Furnished Material (GFM) storage, manufacturing tool room, electronics lab, and small parts packaging
 - Total Square Footage 118,495
 - Unutilized 0

Analysis: Lima Tank Plant, OH (Industrial # 10, Realign)

- Building 317 – Motor Pool, Rolling Stock Battery Charging Facility, Locomotive Repair, and Motor Pool Work Basin.
 - Total Square Footage 35,136
 - Unutilized 0
- In 4th quarter of FY 05 LAV turret production will start for U.S. Marine Corps.
- These figures do not include space requirements for support of the Future Combat System
 - FCS in infancy, no firm low rate initial production (LRIP) but GDLS performing various manufacturing development contracts

Recommendation #156, Lima Tank Plant (Ind-10)

The community contended that DoD's claims of excess capacity were no longer valid due to program changes since the BRAC data calls. They noted there had been a significant change in capacity requirements and utilization at the plant, citing M1A1 Reset, M1A1 sales to Australia, M1A1 work for Egypt, USMC Expeditionary Fighting Vehicle, six Stryker-related programs, and the Mobile Gun System. The community cited plant expansion from 450 to 759 employees to meet these requirements and 100% utilization of plant facilities as evidence to support their arguments. The community argued that a 27% reduction in the manufacturing footprint would require termination or relocation of either all Abrams related workload or Stryker and Expeditionary Fighting Vehicle work.



JAMES HASIK

5 August 2005

The 2005 Base Realignment and Closure (BRAC) Commission
2521 South Clark Street, Suite 600
Arlington, Virginia 22202

Esteemed Commissioners:

Having read the Secretary of Defense's BRAC recommendations, I have serious concerns with respect to the language regarding Joint Systems Manufacturing Center (JSMC) Lima:

Realign Lima Tank Plant, OH. [Disestablish tank manufacturing.¹] Retain the portion required to support the manufacturing of armored combat vehicles to include Army Future Combat System (FCS) program, Marine Corps Expeditionary (sic) Force Vehicle (EFV) chassis, and M1 Tank recapitalization program.

Actually, it is less his recommendation than the justification for that recommendation that has caused me alarm.

Capacity and capability for armored combat vehicles exists at three sites with little redundancy among the sites. The acquisition strategy for the Army Future Combat System (FCS) and Marine Corps Expeditionary (sic) Force Vehicle (EFV) includes the manufacturing of manned vehicle chassis at Lima Army Tank Plant. The impact of establishing this capability elsewhere would hinder the Department's ability to meet the USA and USMC future production schedule. This recommendation to retain only the portion of Lima Army Tank Plant required to support the FCS, EFV, and M1 tank recap(italization) reduces the footprint. This allows DOD to remove excess from the Industrial Base, create centers of excellence, avoid single point failure, and generate efficiencies within the manufacture and maintenance of combat vehicles.

While this is a short stretch of text, its implications for future government procurement policy could be significant. The Secretary's justification states that JSMC Lima is needed because it is the designated solution for

¹ The phrase 'Disestablish tank manufacturing' seems to have been inadvertently omitted from the Secretary's report, as it appears inserted (as shown) in the COBRA report. That disestablishment, however, is the presumed source of the savings.

MI tank remanufacturing, and for new production of Expeditionary Fighting Vehicles (EFVs) and FCS manned ground vehicles (MGVs). JSMC Lima has not been designated as the preferred site for anything in the FCS program, and the site selection decision in new vehicle programs should rest with the individual program managers and their superiors. The BRAC process is an inappropriate venue for setting acquisition policy.

If the language survives your review, this justification could be cited in the future as a mandate enshrined in statute—as you know, if your report is not rejected by either the President or the Congress, it passes into law. So, while the Secretary's effort to save \$22 million is commendable, there is more at stake. FCS could be a huge program, and contrary to the justification, several industrial facilities in North America could prove capable of producing MGVs. If Lima proved to be only one percent less efficient in building MGVs than the best plant, the opportunity cost to the government could amount to hundreds of millions of dollars.

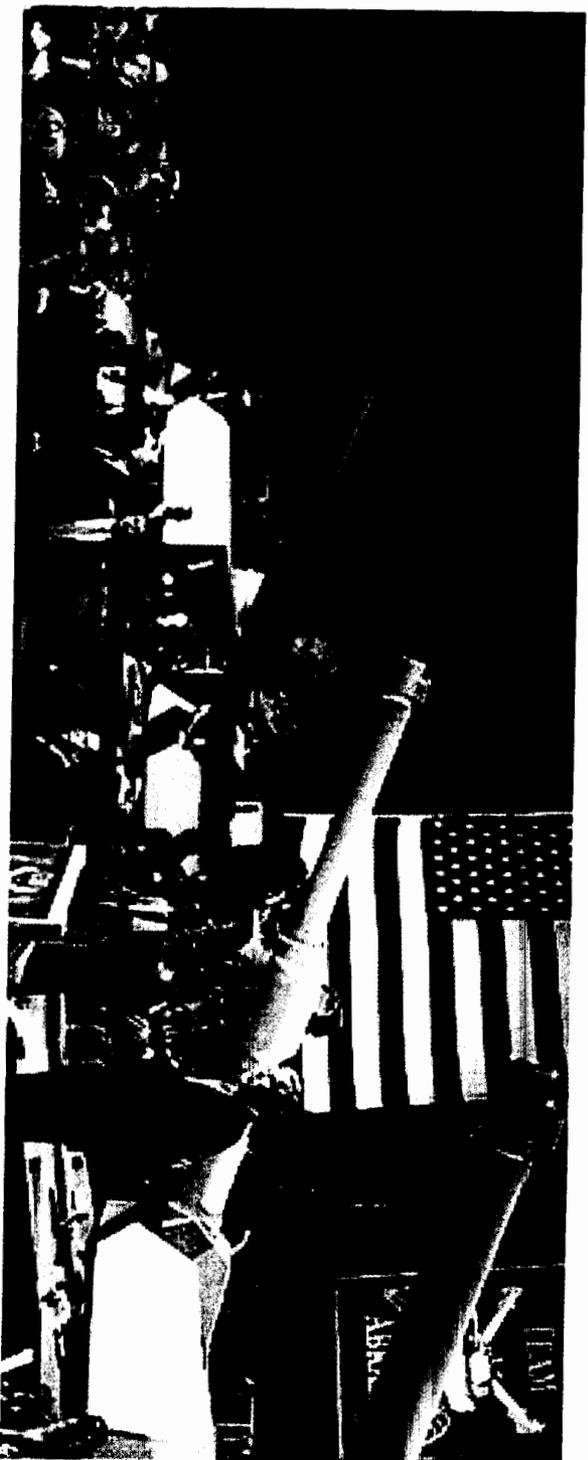
For this reason, I urge you to vacate the Secretary's justification in your report, *whatever your ultimate recommendation*. I am sending along with this letter a briefing that describes these concerns in some more detail. If there are any questions that I can answer that may facilitate your work, please feel free to contact me.

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JAMES HASIK

**A critique of the Pentagon's recommendations for
Joint Systems Manufacturing Center (JSMC) Lima**



A briefing for the 2005 Base Closure and Realignment (BRAC) Commission
5 August 2005



JAMES HASIK

The Pentagon's justification for its recommended realignment at JSMC Lima is short but problematic.

Language from the report of the Industrial Joint Cross Service Group (IJCSG)

RECOMMENDATION

Realign Lima Tank Plant, OH. Disestablish tank manufacturing.* Retain the portion required to support the manufacturing of armored combat vehicles to include Army Future Combat System (FCS) program, Marine Corps Expeditionary (sic) Force Vehicle (EFV) chassis, and M1 Tank recapitalization program.

JUSTIFICATION

Capacity and capability for armored combat vehicles exists at three sites with little redundancy among the sites. The acquisition strategy for the Army Future Combat System (FCS) and Marine Corps Expeditionary Force Vehicle includes the manufacturing of manned vehicle chassis at Lima Army Tank Plant. The impact of establishing this capability elsewhere would hinder the Department's ability to meet the USA and USMC future production schedule. This recommendation to retain only the portion of Lima Army Tank Plant required to support the FCS, EFV, and M1 tank recap[italization] reduces the footprint. This allows DOD to remove excess from the Industrial Base, create centers of excellence, avoid single point failure, and generate efficiencies within the manufacture and maintenance of combat vehicles.

Source: the Secretary of Defense's recommendations to the 2005 Base Closure and Realignment Commission.

*Note that the phrase "Disestablish Tank Manufacturing" appears in the COBRA model run supplied with the supplemental information, but not in the initial report. That realignment, however, is the presumed source of the savings.

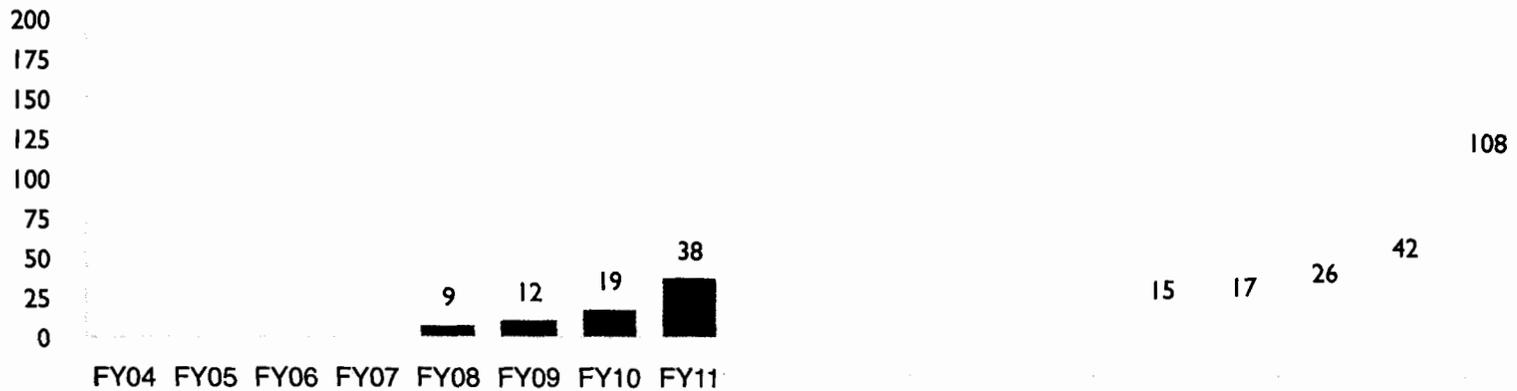


Whatever the Commission's recommendation for the Lima, the Secretary's justification must not stand.

- The Secretary's justification is objectionable for several reasons:
 1. Even closing JSMC Lima would not seriously disrupt either the FCS or EFV acquisition schedule. [This constitutes a deviation from Criterion One.]
 2. Several other sites, both government- and contractor-owned, can support armored combat vehicle assembly. [This constitutes a deviation from Criterion One.]
 3. This discussion of acquisition strategies in the BRAC recommendations is inaccurate, inappropriate, and anticompetitive. [It also lies completely outside the statutory criteria.]
- The problem is that the Secretary's justification language could someday be used to direct FCS work to Lima in lieu of full and open competition in the program.
- The \$22 million in net present savings projected in the recommendation are valuable, but they are rather small compared to what is at stake—the ability of the Army and Marine Corps to find the most cost-effective solutions to future combat vehicle manufacturing problems.
- Any other recommendation—realignment as a no-cost facility, privatization-in-place, or closure—would be preferable to the Secretary's *so long as the justification is vacated*.



Full-rate production for the FCS and the EFV is sufficiently far off that alternate facilities would have plenty of time to prepare.



Source: analysis of the Army's Fiscal Year 2006 budget

The FCS MGCV LRIP decision is scheduled for 2012—seven years from now—though the GAO believes (March 2005 testimony) that even this restructured plan is too optimistic.

FY08 and FY09 quantities represents NLOS-C production—but this will almost certainly be accomplished at another site.

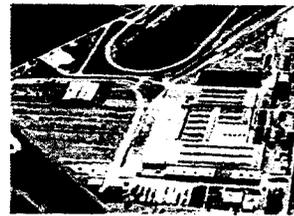
The only EFV production underway at Lima concerns the 30 mm gun turrets—but these are early articles destined for the Navy's San Antonio-class (LPD-17) amphibious ships.

The plan for EFV production featured a new site in Woodbridge, Virginia.—until the Ohio government offered \$11 million in incentives.

The Pentagon did not compare Lima to relevant facilities—those that are also capable of handling future combat vehicle production.

The Industrial Joint Cross Service Group...

seems to have compared Lima to the two Army arsenals described as 'armaments production' facilities. Neither of these, however, produces or repairs armored vehicles.



**JSMC
Lima**



**Rock Island
Arsenal**



**Watervliet
Arsenal**

could have compared Lima to the Army's two depots that overhaul armored vehicles, and to the MCLBs at Albany and Barstow, which handle this work as well. The Anniston Army Depot even builds new vehicles, in cooperation with GDLS.



**JSMC
Lima**



**Anniston
Army Depot**



**Red River
Army Depot**

should have compared Lima to the two largest combat vehicle factories in North America. This would have provided the only reasonable comparison for evaluating Lima's importance for meeting future production requirements.



**JSMC
Lima**



**GD-London
(Ontario)**



**BAE-York
(Pennsylvania)**

The Army has not preordained Lima as the FCS production site. Neither should the BRAC Commission.

- *The language is inaccurate.* JSMC Lima is not the designated final assembly site for manned ground vehicles (MGVs) in the Future Combat System (FCS) acquisition strategy. The Army undertook a “One Site, One Process” study to determine whether the FCS program could benefit from undertaking all MGV final assembly at one factory, but the results were inconclusive. At the outset, some in the Army leadership presumed that the single site would be a GOCO facility, but the question of the supposed advantages of a GOCO site was not part of the study. For that matter, it is not clear that there is an FCS acquisition strategy yet, as the low rate initial production (LRIP) decision is seven years away.
- *The language is inappropriate.* As a matter of process, the BRAC recommendations are not the right place to be setting acquisition strategies. If accepted by the President and not explicitly rejected by the Congress, the recommendations will pass into effect. The BRAC process is not an appropriate venue in which to endow acquisition strategies with legal force.
- *The language is anticompetitive.* As a matter of policy, the FCS program should feature competition in both design and manufacturing. Designating Lima as the final assembly facility constrains the contractors' solution space without a stated reason.





7/27/05

LIMA

CRA

- seen a bus. consultants
- dep. & passage industries
- cannot reveal client (customer S&D)
- used to have 5K people now 700+ (LIMA AIM)
- 1/1 seat to GET use 20% floor space
- various language in the justification (Lima for vehicle cases - req. strategy?) will be too directive. and will stymie competition by excluding other sites
- contend BRAC not have authority to involve itself in acquisition strategy

check with GC (not directed location)

6-29-05

Joint Systems Manufacturing Center (Lima Tank Plant)

with
and
briefing

- COCO
- 27% building area reduction?
- TABS (March 2004) 83 data
- Australia 57 in 87

SEP 8/mo.

AIM 120

- reset cost to JSMC (cost+)
- EFV assembly at Lima (sig. amount of footprint)

- wiring, 6-17 people/week
- roofed at for FCS

05-06 Gov Exp \$14 mill in unused equipment
Bought from Chrysler, GD in since 1982

- Program Breakout sheet out
- Footprint used 100%

asked for paper on effect (impact statement)

- more program exp
- economic impact