



Department of the Air Force

**Military Construction and Family
Housing Program**

**FY 2000/2001 Biennial
Budget Estimate**

**Justification Data Submitted to Congress
February 1999**

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**DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM
FISCAL YEAR 2000**

| | <u>AUTH AMOUNT</u> | <u>APPROP AMOUNT</u> |
|---|------------------------|--------------------------|
| MILITARY CONSTRUCTION | (Sec 2304) | (Sec 2301) |
| Inside the United States | 483,270 | 119,380 |
| Outside the United States | 76,650 | 19,978 |
| Planning and Design (10 USC 2807) | 28,004 | 28,004 |
| Supervision, Inspection, and Overhead | 0 | 3,376 |
| Unspecified Minor Construction (10 USC 2805) | 8,741 | 8,741 |
| TOTAL MILITARY CONSTRUCTION | 596,665 | 179,479 |
| | | |
| MILITARY FAMILY HOUSING | (Sec 2304) | (Sec 2302/2303) |
| New Construction | 186,248 | 49,385 |
| Improvements | 124,452 | 34,152 |
| Planning and Design | 17,093 | 17,093 |
| Supervision, Inspection, and Overhead | 0 | 1,161 |
| Subtotal | 327,793 | 101,791 |
| Operations, Utilities, and Maintenance | 703,350 | 703,350 |
| Leasing | 118,509 | 118,509 |
| Debt Payment | 33 | 33 |
| Subtotal | 821,892 | 821,892 |
| TOTAL MILITARY FAMILY HOUSING | 1,149,685 | 923,683 |
| | | |
| GRAND TOTAL AIR FORCE | 1,746,350 | 1,103,162 |

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|---|------------------------------------|------------------------------|--------------------------------|-------------|
| INSIDE THE U.S. | | | | |
| CLASSIFIED LOCATION | AIR CONTROL SQUAD OPS COMPLEX | 5,100 | 1,200 | 38 |
| | NFIP MILCON PROJECT | 9,700 | 9,700 | 41 |
| | NFIP MILCON PROJECT | 1,093 | 1,093 | 42 |
| | SPECIAL TACTICAL UNIT DET FACILITY | 977 | 244 | 43 |
| | <u>CLASSIFIED LOCATION Total</u> | <u>16,870</u> | <u>12,237</u> | |
| ALASKA | | | | |
| EIELSON AFB | REPAIR KC-135 PARKING RAMP | 4,000 | 941 | 45 |
| | REPAIR RUNWAY | 14,000 | 3,334 | 48 |
| | WEAPONS RELEASE SYSTEM FACILITY | 6,100 | 1,451 | 51 |
| | <u>EIELSON AFB Total</u> | <u>24,100</u> | <u>5,726</u> | |
| ELMENDORF AFB | CONSTRUCT C-130 PARKING RAMP | 17,000 | 3,995 | 55 |
| | DORMITORY | 15,800 | 3,727 | 58 |
| | <u>ELMENDORF AFB Total</u> | <u>32,800</u> | <u>7,722</u> | |
| | <u>ALASKA Total</u> | <u>56,900</u> | <u>13,448</u> | |
| ARIZONA | | | | |
| DAVIS-MONTHAN AFB | AIRCRAFT PROCESSING RAMP | 7,800 | 1,847 | 62 |
| | <u>DAVIS-MONTHAN AFB Total</u> | <u>7,800</u> | <u>1,847</u> | |
| | <u>ARIZONA Total</u> | <u>7,800</u> | <u>1,847</u> | |
| CALIFORNIA | | | | |
| BEALE AFB | FLIGHTLINE FIRE STATION | 8,900 | 2,086 | 66 |
| | <u>BEALE AFB Total</u> | <u>8,900</u> | <u>2,086</u> | |
| TRAVIS AFB | ADD TO PHYSICAL FITNESS CENTER | 7,500 | 1,754 | 70 |
| | <u>TRAVIS AFB Total</u> | <u>7,500</u> | <u>1,754</u> | |
| | <u>CALIFORNIA Total</u> | <u>16,400</u> | <u>3,840</u> | |

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|---|--------------------------------|------------------------------|--------------------------------|-------------|
| COLORADO | | | | |
| PETERSON AFB | USSPACECOM/NORAD HEADQTRS | 33,000 | 7,887 | 74 |
| | <u>PETERSON AFB Total</u> | <u>33,000</u> | <u>7,887</u> | |
| SCHRIEVER AFB | FITNESS CENTER | 3,900 | 929 | 78 |
| | SANITARY SEWER LINE | 5,500 | 1,296 | 81 |
| | <u>SCHRIEVER AFB Total</u> | <u>9,400</u> | <u>2,225</u> | |
| USAF ACADEMY | UPGRADE ACADEMIC FACILITY | 17,500 | 4,056 | 85 |
| | <u>USAF ACADEMY Total</u> | <u>17,500</u> | <u>4,056</u> | |
| | <u>COLORADO Total</u> | <u>59,900</u> | <u>14,168</u> | |
| FLORIDA | | | | |
| EGLIN 9 | DORMITORY | 9,100 | 2,161 | 90 |
| | REPAIR RUNWAY/TAXIWAY | 9,700 | 2,269 | 93 |
| | <u>EGLIN 9 Total</u> | <u>18,800</u> | <u>4,430</u> | |
| EGLIN AFB | DORMITORY | 7,000 | 1,635 | 98 |
| | SQUADRON OPERATIONS FACILITY | 6,600 | 1,566 | 101 |
| | <u>EGLIN AFB Total</u> | <u>13,600</u> | <u>3,201</u> | |
| MACDILL AFB | ADD/ALTER PHYSICAL FITNESS CTR | 5,500 | 1,302 | 105 |
| | <u>MACDILL AFB Total</u> | <u>5,500</u> | <u>1,302</u> | |
| PATRICK AFB | AIR FREIGHT/PASSENGER TERMINAL | 8,300 | 1,967 | 109 |
| | BASE SUPPLY/TMO COMPLEX | 9,500 | 2,238 | 112 |
| | <u>PATRICK AFB Total</u> | <u>17,800</u> | <u>4,205</u> | |
| | <u>FLORIDA Total</u> | <u>55,700</u> | <u>13,138</u> | |

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|----------------------|----------------------------------|----------------------------|---------------|---------------|-------------|
| <u>INSTALLATION</u> | | | <u>AMOUNT</u> | <u>AMOUNT</u> | |
| GEORGIA | | | | | |
| FORT BENNING | AIR SUPPORT OPS SQDN FACILITY | | 3,900 | 911 | 116 |
| | | <u>FORT BENNING Total</u> | <u>3,900</u> | <u>911</u> | |
| MOODY AFB | SQUADRON OPERATION FACILITY | | 3,200 | 763 | 120 |
| | | <u>MOODY AFB Total</u> | <u>3,200</u> | <u>763</u> | |
| ROBINS AFB | KC-135 FLIGHT SIMULATOR FACILITY | | 3,350 | 789 | 125 |
| | | <u>ROBINS AFB Total</u> | <u>3,350</u> | <u>789</u> | |
| | | <u>GEORGIA Total</u> | <u>10,450</u> | <u>2,463</u> | |
| HAWAII | | | | | |
| HICKAM AFB | FIRE TRAINING FACILITY | | 3,300 | 785 | 129 |
| | | <u>HICKAM AFB Total</u> | <u>3,300</u> | <u>785</u> | |
| | | <u>HAWAII Total</u> | <u>3,300</u> | <u>785</u> | |
| IDAHO | | | | | |
| MT HOME AFB | ENHANCED TNG RANGE IDAHO, PH 2 | | 14,600 | 3,487 | 133 |
| | DEFENSE ACCESS ROAD | | 2,400 | 564 | 136 |
| | | <u>MT HOME AFB Total</u> | <u>17,000</u> | <u>4,051</u> | |
| | | <u>IDAHO Total</u> | <u>17,000</u> | <u>4,051</u> | |
| KANSAS | | | | | |
| MCCONNELL AFB | KC-135 SQUADRON OPERATIONS/AMU | | 9,600 | 2,280 | 139 |
| | | <u>MCCONNELL AFB Total</u> | <u>9,600</u> | <u>2,280</u> | |
| | | <u>KANSAS Total</u> | <u>9,600</u> | <u>2,280</u> | |
| KENTUCKY | | | | | |
| FORT CAMPBELL | AIR SUPPORT OPS SQDN FACILITY | | 6,300 | 1,472 | 143 |
| | | <u>FORT CAMPBELL Total</u> | <u>6,300</u> | <u>1,472</u> | |
| | | <u>KENTUCKY Total</u> | <u>6,300</u> | <u>1,472</u> | |
| MISSISSIPPI | | | | | |
| KEESLER AFB | STUDENT DINING FACILITY | | 7,100 | 1,686 | 147 |
| | STUDENT DORMITORY | | 19,900 | 4,679 | 150 |

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|---|----------------------------------|------------------------------|--------------------------------|-------------|
| | <u>KEESLER AFB Total</u> | <u>27,000</u> | <u>6,365</u> | |
| | <u>MISSISSIPPI Total</u> | <u>27,000</u> | <u>6,365</u> | |
| MISSOURI | | | | |
| WHITEMAN AFB | B-2 LOW OBS RESTORATION FACILITY | 23,000 | 5,428 | 154 |
| | PHYSICAL FITNESS CENTER | 1,900 | 447 | 157 |
| | <u>WHITEMAN AFB Total</u> | <u>24,900</u> | <u>5,875</u> | |
| | <u>MISSOURI Total</u> | <u>24,900</u> | <u>5,875</u> | |
| NEBRASKA | | | | |
| OFFUTT AFB | DORMITORY | 8,300 | 1,941 | 161 |
| | <u>OFFUTT AFB Total</u> | <u>8,300</u> | <u>1,941</u> | |
| | <u>NEBRASKA Total</u> | <u>8,300</u> | <u>1,941</u> | |
| NEVADA | | | | |
| NELLIS AFB | F-22 AIRCRAFT MAINT HANGAR | 7,800 | 1,859 | 165 |
| | F-22 COMPOSITE/FAB SHOP | 7,500 | 1,756 | 168 |
| | F-22 PARTS WAREHOUSE/OPS ADD | 3,300 | 773 | 171 |
| | <u>NELLIS AFB Total</u> | <u>18,600</u> | <u>4,388</u> | |
| | <u>NEVADA Total</u> | <u>18,600</u> | <u>4,388</u> | |
| NEW JERSEY | | | | |
| MCGUIRE AFB | VISITING QUARTERS | 11,800 | 2,765 | 175 |
| | <u>MCGUIRE AFB Total</u> | <u>11,800</u> | <u>2,765</u> | |
| | <u>NEW JERSEY Total</u> | <u>11,800</u> | <u>2,765</u> | |

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|---|-----------------------------------|------------------------------|--------------------------------|-------------|
| NEW YORK | | | | |
| ROME LABORATORY | CONSOLIDATE INTELL & RECON LAB | 12,800 | 3,002 | 179 |
| | <u>ROME LABORATORY Total</u> | <u>12,800</u> | <u>3,002</u> | |
| | <u>NEW YORK Total</u> | <u>12,800</u> | <u>3,002</u> | |
| NORTH CAROLINA | | | | |
| FORT BRAGG | AIR SUPPORT OPS GROUP FACILITY | 4,600 | 1,076 | 183 |
| | <u>FORT BRAGG Total</u> | <u>4,600</u> | <u>1,076</u> | |
| | | | | |
| POPE AFB | DANGEROUS CARGO PAD | 7,700 | 1,802 | 187 |
| | <u>POPE AFB Total</u> | <u>7,700</u> | <u>1,802</u> | |
| | <u>NORTH CAROLINA Total</u> | <u>12,300</u> | <u>2,878</u> | |
| OHIO | | | | |
| WRIGHT-PATTERSON AFB | CONSOL AVIONICS RESEARCH LAB | 13,600 | 3,230 | 192 |
| | CONTROL TOWER | 4,000 | 934 | 196 |
| | <u>WRIGHT-PATTERSON AFB Total</u> | <u>17,600</u> | <u>4,164</u> | |
| | <u>OHIO Total</u> | <u>17,600</u> | <u>4,164</u> | |
| OKLAHOMA | | | | |
| TINKER AFB | AIR DRIVEN ACCESS O/H TEST FAC | 17,000 | 4,001 | 201 |
| | DORMITORIES | 6,800 | 1,602 | 204 |
| | <u>OKLAHOMA Total</u> | <u>23,800</u> | <u>5,603</u> | |
| | <u>TINKER AFB Total</u> | <u>23,800</u> | <u>5,603</u> | |
| SOUTH CAROLINA | | | | |
| CHARLESTON AFB | C-17 CORROSION CONTROL FACILITY | 18,200 | 4,389 | 208 |
| | <u>CHARLESTON AFB Total</u> | <u>18,200</u> | <u>4,389</u> | |
| | <u>SOUTH CAROLINA Total</u> | <u>18,200</u> | <u>4,389</u> | |

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|----------------------|---------------------|--|------------------------|--------------------------|-------------|
| TENNESSEE | | | | | |
| | ARNOLD AFB | UPGR JET ENGINE AIR INDUC SYSTEM, PH 3 | 7,800 | 1,851 | 212 |
| | | <u>ARNOLD AFB Total</u> | <u>7,800</u> | <u>1,851</u> | |
| | | <u>TENNESSEE Total</u> | <u>7,800</u> | <u>1,851</u> | |
| TEXAS | | | | | |
| | LACKLAND AFB | DORMITORY | 5,300 | 1,257 | 216 |
| | | SECURITY FORCES CENTER | 8,100 | 1,893 | 219 |
| | | <u>LACKLAND AFB Total</u> | <u>13,400</u> | <u>3,150</u> | |
| | LAUGHLIN AFB | JPATS BEDDOWN ADAL VAR FACS | 3,250 | 766 | 223 |
| | | <u>LAUGHLIN AFB Total</u> | <u>3,250</u> | <u>766</u> | |
| | | <u>TEXAS Total</u> | <u>16,650</u> | <u>3,916</u> | |
| UTAH | | | | | |
| | HILL AFB | CAD/PAD SPARES STORAGE FAC | 4,600 | 1,081 | 228 |
| | | <u>HILL AFB Total</u> | <u>4,600</u> | <u>1,081</u> | |
| | | <u>UTAH Total</u> | <u>4,600</u> | <u>1,081</u> | |
| VIRGINIA | | | | | |
| | LANGLEY AFB | DORMITORY | 6,300 | 1,486 | 232 |
| | | <u>LANGLEY AFB Total</u> | <u>6,300</u> | <u>1,486</u> | |
| | | <u>VIRGINIA Total</u> | <u>6,300</u> | <u>1,486</u> | |

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|----------------------|----------------------------------|----------------|----------------|-------------|
| <u>INSTALLATION</u> | | <u>AMOUNT</u> | <u>AMOUNT</u> | |
| WASHINGTON | | | | |
| FAIRCHILD AFB | SURVIVAL TRAINING LOGISTICS CMLX | 4,500 | 1,071 | 236 |
| | <u>MCCHORD AFB Total</u> | <u>4,500</u> | <u>1,071</u> | |
| MCCHORD AFB | C-17 SQUADRON OPERATIONS/AMU | 7,900 | 1,858 | 240 |
| | <u>MCCHORD AFB Total</u> | <u>7,900</u> | <u>1,858</u> | |
| | <u>WASHINGTON Total</u> | <u>12,400</u> | <u>2,929</u> | |
| | <u>FINANCIAL Adjustment</u> | <u>0</u> | <u>-2,982</u> | |
| | <u>INSIDE THE U.S. Total</u> | <u>483,270</u> | <u>119,380</u> | |

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|---|-----------------------------------|------------------------------|--------------------------------|-------------|
| OUTSIDE THE U.S. | | | | |
| GUAM | | | | |
| ANDERSEN AFB | LANDFILL CLOSURE | 8,900 | 2,097 | 245 |
| | <u>ANDERSEN AFB Total</u> | <u>8,900</u> | <u>2,097</u> | |
| | <u>GUAM Total</u> | <u>8,900</u> | <u>2,097</u> | |
| ITALY | | | | |
| AVIANO AB | RADAR APPROACH CONTROL FACILITY | 3700 | 966 | 248 |
| | <u>AVIANO AB Total</u> | <u>3,700</u> | <u>966</u> | |
| | <u>ITALY Total</u> | <u>3,700</u> | <u>966</u> | |
| KOREA | | | | |
| OSAN AB | ADD/ALTER PHYSICAL FITNESS CENTER | 7,600 | 2,229 | 252 |
| | DORMITORY | 12,000 | 3,482 | 255 |
| | <u>OSAN AB Total</u> | <u>19,600</u> | <u>5,711</u> | |
| | <u>KOREA Total</u> | <u>19,600</u> | <u>5,711</u> | |
| PORTUGAL | | | | |
| LAJES FIELD | APRON SECURITY LIGHTING | 1,800 | 479 | 259 |
| | <u>LAJES FIELD Total</u> | <u>1,800</u> | <u>479</u> | |
| | <u>PORTUGAL Total</u> | <u>1,800</u> | <u>479</u> | |
| SOUTH ATLANTIC OCEAN | | | | |
| ASCENSION AAF | GPS SATELLITE CONTROL STATION | 2,150 | 512 | 263 |
| | <u>ASCENSION AAF Total</u> | <u>2,150</u> | <u>512</u> | |
| | <u>SOUTH ATLANTIC OCEAN Total</u> | <u>2,150</u> | <u>512</u> | |
| UNITED KINGDOM | | | | |
| FELTWELL RAF | WASTEWATER TREATMENT PLANT | 3,000 | 786 | 267 |
| | <u>FELTWELL RAF Total</u> | <u>3,000</u> | <u>786</u> | |

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|---|-------------------------------|------------------------------|--------------------------------|-------------|
| LAKENHEATH RAF | CHILD DEVELOPMENT CENTER | 5,800 | 1,519 | 271 |
| | CONSOL SUPPORT COMPLEX | 12,400 | 3,221 | 274 |
| | <u>LAKENHEATH RAF Total</u> | <u>18,200</u> | <u>4,740</u> | |
| MILDENHALL RAF | CONSOL CORR CNTRL/MAINT CPLX | 10,200 | 2,693 | 279 |
| | HAZMAT STORAGE FACILITY | 1,000 | 267 | 282 |
| | KC-135 FLIGHT SIMULATOR FAC | 2,300 | 600 | 285 |
| | OPERATIONS FACILITY | 4,100 | 1,076 | 288 |
| | <u>MILDENHALL RAF Total</u> | <u>17,600</u> | <u>4,636</u> | |
| MOLESWORTH RAF | WASTEWATER TREATMENT PLANT | 1,700 | 445 | 292 |
| | <u>MOLESWORTH RAF Total</u> | <u>1,700</u> | <u>445</u> | |
| | <u>UNITED KINGDOM Total</u> | <u>40,500</u> | <u>10,607</u> | |
| | <u>FINANCIAL Adjustment</u> | <u>0</u> | <u>-394</u> | |
| | <u>OUTSIDE THE U.S. Total</u> | <u>76,650</u> | <u>19,978</u> | |

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|---|------------------------------------|------------------------------|--------------------------------|-------------|
| WORLDWIDE | | | | |
| VARIOUS LOCATIONS | SUPERVISION, INSPECTION & OVERHEAD | 0 | 3,376 | 297 |
| | PLANNING AND DESIGN | 28,004 | 28,004 | |
| | UNSPECIFIED MINOR CONSTRUCTION | 8,741 | 8,741 | 301 |
| | <u>VARIOUS LOCATIONS Total</u> | <u>36,745</u> | <u>36,745</u> | |
| | <u>WORLDWIDE Total</u> | <u>36,745</u> | <u>36,745</u> | |
| | <u>FY2000 Total</u> | <u>596,665</u> | <u>179,479</u> | |

DEFINITIONS OF NEW AND CURRENT MISSION

NEW MISSION PROJECTS - These projects support the deployment and beddown of new weapons systems, new or additional aircraft, missile, and space projects and support of new equipment such as radar's, communications, computers satellite tracking and electronic security. New mission projects all support new programs and initiatives that do not revitalize the existing physical plant. The projects support new and additional requirements. Planning and design and minor construction are also included in this category.

CURRENT MISSION PROJECTS - These projects revitalize the existing facility plant by replacement or upgrading existing facilities and by alleviating long standing deficiencies not generated by new missions or equipment. Included are projects to improve the quality of life, upgrade the workplace and projects to increase productivity and achieve compliance with environmental, health and safety standards.

| <u>FY 00</u> | AUTH AMOUNT <u>(\$000)</u> | APPROP AMOUNT <u>(\$000)</u> |
|-------------------------------------|---|---|
| NEW MISSION | \$135,420 | \$39,564 |
| CURRENT MISSION | \$424,500 | \$99,794 |
| PLANNING & DESIGN | \$28,004 | \$28,004 |
| SUPERVISION, INSPECTION, & OVERHEAD | 0 | \$3,376 |
| MINOR CONSTRUCTION | <u>\$8,741</u> | <u>\$8,741</u> |
| TOTAL: | \$596,665 | \$179,479 |

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CURRENT MISSION, NEW MISSION AND WORLDWIDE
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| <u>STATE/COUNTRY</u> | | <u>AUTH FOR</u> | <u>APPROP</u> | |
|----------------------------|---|-----------------|---------------|-------------|
| <u>INSTALLATION</u> | | <u>AMOUNT</u> | <u>AMOUNT</u> | <u>TYPE</u> |
| INSIDE THE U.S. | | | | |
| CLASSIFIED LOCATION | AIR CONTROL SQUAD OPS COMPLEX | 5,100 | 1,200 | NM |
| | NFIP MILCON PROJECT | 9,700 | 9,700 | NM |
| | NFIP MILCON PROJECT | 1,093 | 1,093 | NM |
| | SPECIAL TACTICAL UNIT DET FACILITY | 977 | 244 | NM |
| | <u>CLASSIFIED LOCATION Total</u> | <u>16,870</u> | <u>12,237</u> | |
| ALASKA | | | | |
| EIELSON AFB | REPAIR KC-135 PARKING RAMP | 4,000 | 941 | CM |
| | REPAIR RUNWAY | 14,000 | 3,334 | CM |
| | WEAPONS RELEASE SYSTEM FACILITY | 6,100 | 1,451 | CM |
| | <u>EIELSON AFB Total</u> | <u>24,100</u> | <u>5,726</u> | |
| ELMENDORF AFB | CONSTRUCT C-130 PARKING RAMP | 17,000 | 3,995 | NM |
| | DORMITORY | 15,800 | 3,727 | CM |
| | <u>ELMENDORF AFB Total</u> | <u>32,800</u> | <u>7,722</u> | |
| | <u>ALASKA Total</u> | <u>56,900</u> | <u>13,448</u> | |
| ARIZONA | | | | |
| DAVIS-MONTHAN AFB | AIRCRAFT PROCESSING RAMP | 7,800 | 1,847 | CM |
| | <u>DAVIS-MONTHAN AFB Total</u> | <u>7,800</u> | <u>1,847</u> | |
| | <u>ARIZONA Total</u> | <u>7,800</u> | <u>1,847</u> | |
| CALIFORNIA | | | | |
| BEALE AFB | FLIGHTLINE FIRE STATION | 8,900 | 2,086 | CM |
| | <u>BEALE AFB Total</u> | <u>8,900</u> | <u>2,086</u> | |
| TRAVIS AFB | ADD TO PHYSICAL FITNESS CENTER | 7,500 | 1,754 | CM |
| | <u>TRAVIS AFB Total</u> | <u>7,500</u> | <u>1,754</u> | |
| | <u>CALIFORNIA Total</u> | <u>16,400</u> | <u>3,840</u> | |

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|----------------------|--------------------------------|----------------------------|-----------------|---------------|
| <u>INSTALLATION</u> | | | <u>AMOUNT</u> | <u>AMOUNT</u> |
| COLORADO | | | | |
| PETERSON AFB | USSPACECOM/NORAD HEADQTRS | | 33,000 | 7,887 |
| | | <u>PETERSON AFB Total</u> | <u>33,000</u> | <u>7,887</u> |
| SCHRIEVER AFB | FITNESS CENTER | | 3,900 | 929 |
| | SANITARY SEWER LINE | | 5,500 | 1,296 |
| | | <u>SCHRIEVER AFB Total</u> | <u>9,400</u> | <u>2,225</u> |
| USAF ACADEMY | UPGRADE ACADEMIC FACILITY | | 17,500 | 4,056 |
| | | <u>USAF ACADEMY Total</u> | <u>17,500</u> | <u>4,056</u> |
| | | <u>COLORADO Total</u> | <u>59,900</u> | <u>14,168</u> |
| FLORIDA | | | | |
| EGLIN 9 | DORMITORY | | 9,100 | 2,161 |
| | REPAIR RUNWAY/TAXIWAY | | 9,700 | 2,269 |
| | | <u>EGLIN 9 Total</u> | <u>18,800</u> | <u>4,430</u> |
| EGLIN AFB | DORMITORY | | 7,000 | 1,635 |
| | SQUADRON OPERATIONS FACILITY | | 6,600 | 1,566 |
| | | <u>EGLIN AFB Total</u> | <u>13,600</u> | <u>3,201</u> |
| MACDILL AFB | ADD/ALTER PHYSICAL FITNESS CTR | | 5,500 | 1,302 |
| | | <u>MACDILL AFB Total</u> | <u>5,500</u> | <u>1,302</u> |
| PATRICK AFB | AIR FREIGHT/PASSENGER TERMINAL | | 8,300 | 1,967 |
| | BASE SUPPLY/TMO COMPLEX | | 9,500 | 2,238 |
| | | <u>PATRICK AFB Total</u> | <u>17,800</u> | <u>4,205</u> |
| | | <u>FLORIDA Total</u> | <u>55,700</u> | <u>13,138</u> |

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|----------------------|---------------------|----------------------------------|---------------------------------------|--------------------------|-------------|
| GEORGIA | | | | | |
| | FORT BENNING | AIR SUPPORT OPS SQDN FACILITY | 3,900 | 911 | CM |
| | | <u>FORT BENNING Total</u> | <u>3,900</u> | <u>911</u> | |
| | MOODY AFB | SQUADRON OPERATION FACILITY | 3,200 | 763 | NM |
| | | <u>MOODY AFB Total</u> | <u>3,200</u> | <u>763</u> | |
| | ROBINS AFB | KC-135 FLIGHT SIMULATOR FACILITY | 3,350 | 789 | CM |
| | | <u>ROBINS AFB Total</u> | <u>3,350</u> | <u>789</u> | |
| | | <u>GEORGIA Total</u> | <u>10,450</u> | <u>2,463</u> | |
| HAWAII | | | | | |
| | HICKAM AFB | FIRE TRAINING FACILITY | 3,300 | 785 | CM |
| | | <u>HICKAM AFB Total</u> | <u>3,300</u> | <u>785</u> | |
| | | <u>HAWAII Total</u> | <u>3,300</u> | <u>785</u> | |
| IDAHO | | | | | |
| | MT HOME AFB | ENHANCED TNG RANGE IDAHO, PH 2 | 14,600 | 3,487 | NM |
| | | DEFENSE ACCESS ROAD | 2,400 | 564 | NM |
| | | <u>MT HOME AFB Total</u> | <u>17,000</u> | <u>4,051</u> | |
| | | <u>IDAHO Total</u> | <u>17,000</u> | <u>4,051</u> | |
| KANSAS | | | | | |
| | MCCONNELL AFB | KC-135 SQUADRON OPERATIONS/AMU | 9,600 | 2,280 | CM |
| | | <u>MCCONNELL AFB Total</u> | <u>9,600</u> | <u>2,280</u> | |
| | | <u>KANSAS Total</u> | <u>9,600</u> | <u>2,280</u> | |
| KENTUCKY | | | | | |
| | FORT CAMPBELL | AIR SUPPORT OPS SQDN FACILITY | 6,300 | 1,472 | CM |
| | | <u>FORT CAMPBELL Total</u> | <u>6,300</u> | <u>1,472</u> | |
| | | <u>KENTUCKY Total</u> | <u>6,300</u> | <u>1,472</u> | |

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|---|---|---|--------------------------------|-------------|
| MISSISSIPPI | | | | |
| KEESLER AFB | STUDENT DINING FACILITY | 7,100 | 1,686 | CM |
| | STUDENT DORMITORY | 19,900 | 4,679 | CM |
| | <u>KEESLER AFB Total</u> | <u>27,000</u> | <u>6,365</u> | |
| | <u>MISSISSIPPI Total</u> | <u>27,000</u> | <u>6,365</u> | |
| MISSOURI | | | | |
| WHITEMAN AFB | B-2 LOW OBS RESTORATION FACILITY | 23,000 | 5,428 | NM |
| | PHYSICAL FITNESS CENTER | 1,900 | 447 | CM |
| | <u>WHITEMAN AFB Total</u> | <u>24,900</u> | <u>5,875</u> | |
| | <u>MISSOURI Total</u> | <u>24,900</u> | <u>5,875</u> | |
| NEBRASKA | | | | |
| OFFUTT AFB | DORMITORY | 8,300 | 1,941 | CM |
| | <u>OFFUTT AFB Total</u> | <u>8,300</u> | <u>1,941</u> | |
| | <u>NEBRASKA Total</u> | <u>8,300</u> | <u>1,941</u> | |
| NEVADA | | | | |
| NELLIS AFB | F-22 AIRCRAFT MAINT HANGAR | 7,800 | 1,859 | NM |
| | F-22 COMPOSITE/FAB SHOP | 7,500 | 1,756 | NM |
| | F-22 PARTS WAREHOUSE/OPS ADD | 3,300 | 773 | NM |
| | <u>NELLIS AFB Total</u> | <u>18,600</u> | <u>4,388</u> | |
| | <u>NEVADA Total</u> | <u>18,600</u> | <u>4,388</u> | |
| NEW JERSEY | | | | |
| MCGUIRE AFB | VISITING QUARTERS | 11,800 | 2,765 | CM |
| | <u>MCGUIRE AFB Total</u> | <u>11,800</u> | <u>2,765</u> | |
| | <u>NEW JERSEY Total</u> | <u>11,800</u> | <u>2,765</u> | |

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|---|-----------------------------------|---------------------------------------|--------------------------|-------------|
| NEW YORK | | | | |
| ROME LABORATORY | CONSOLIDATE INTELL & RECON LAB | 12,800 | 3,002 | CM |
| | <u>ROME LABORATORY Total</u> | <u>12,800</u> | <u>3,002</u> | |
| | <u>NEW YORK Total</u> | <u>12,800</u> | <u>3,002</u> | |
| NORTH CAROLINA | | | | |
| FORT BRAGG | AIR SUPPORT OPS GROUP FACILITY | 4,600 | 1,076 | CM |
| | <u>FORT BRAGG Total</u> | <u>4,600</u> | <u>1,076</u> | |
| | | | | |
| POPE AFB | DANGEROUS CARGO PAD | 7,700 | 1,802 | CM |
| | <u>POPE AFB Total</u> | <u>7,700</u> | <u>1,802</u> | |
| | <u>NORTH CAROLINA Total</u> | <u>12,300</u> | <u>2,878</u> | |
| OHIO | | | | |
| WRIGHT-PATTERSON AFB | CONSOL AVIONICS RESEARCH LAB | 13,600 | 3,230 | CM |
| | CONTROL TOWER | 4,000 | 934 | CM |
| | <u>WRIGHT-PATTERSON AFB Total</u> | <u>17,600</u> | <u>4,164</u> | |
| | <u>OHIO Total</u> | <u>17,600</u> | <u>4,164</u> | |
| OKLAHOMA | | | | |
| TINKER AFB | AIR DRIVEN ACCESS O/H TEST FAC | 17,000 | 4,001 | CM |
| | DORMITORIES | 6,800 | 1,602 | CM |
| | <u>OKLAHOMA Total</u> | <u>23,800</u> | <u>5,603</u> | |
| | <u>TINKER AFB Total</u> | <u>23,800</u> | <u>5,603</u> | |
| SOUTH CAROLINA | | | | |
| CHARLESTON AFB | C-17 CORROSION CONTROL FACILITY | 18,200 | 4,389 | NM |
| | <u>CHARLESTON AFB Total</u> | <u>18,200</u> | <u>4,389</u> | |
| | <u>SOUTH CAROLINA Total</u> | <u>18,200</u> | <u>4,389</u> | |

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|----------------------|---------------------|--|---------------------------------------|--------------------------|-------------|
| TENNESSEE | ARNOLD AFB | UPGR JET ENGINE AIR INDUC SYSTEM, PH 3 | 7,800 | 1,851 | CM |
| | | <u>ARNOLD AFB Total</u> | <u>7,800</u> | <u>1,851</u> | |
| | | <u>TENNESSEE Total</u> | <u>7,800</u> | <u>1,851</u> | |
| TEXAS | LACKLAND AFB | DORMITORY | 5,300 | 1,257 | CM |
| | | SECURITY FORCES CENTER | 8,100 | 1,893 | NM |
| | | <u>LACKLAND AFB Total</u> | <u>13,400</u> | <u>3,150</u> | |
| | LAUGHLIN AFB | JPATS BEDDOWN ADAL VAR FACS | 3,250 | 766 | NM |
| | | <u>LAUGHLIN AFB Total</u> | <u>3,250</u> | <u>766</u> | |
| | | <u>TEXAS Total</u> | <u>16,650</u> | <u>3,916</u> | |
| UTAH | HILL AFB | CAD/PAD SPARES STORAGE FAC | 4,600 | 1,081 | CM |
| | | <u>HILL AFB Total</u> | <u>4,600</u> | <u>1,081</u> | |
| | | <u>UTAH Total</u> | <u>4,600</u> | <u>1,081</u> | |
| VIRGINIA | LANGLEY AFB | DORMITORY | 6,300 | 1,486 | CM |
| | | <u>LANGLEY AFB Total</u> | <u>6,300</u> | <u>1,486</u> | |
| | | <u>VIRGINIA Total</u> | <u>6,300</u> | <u>1,486</u> | |

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|----------------------|----------------------------------|----------------|----------------|-------------|
| <u>INSTALLATION</u> | | <u>AMOUNT</u> | <u>AMOUNT</u> | |
| WASHINGTON | | | | |
| FAIRCHILD AFB | SURVIVAL TRAINING LOGISTICS CMLX | 4,500 | 1,071 | 257 |
| | <u>MCCHORD AFB Total</u> | <u>4,500</u> | <u>1,071</u> | |
| MCCHORD AFB | C-17 SQUADRON OPERATIONS/AMU | 7,900 | 1,858 | 261 |
| | <u>MCCHORD AFB Total</u> | <u>7,900</u> | <u>1,858</u> | |
| | <u>WASHINGTON Total</u> | <u>12,400</u> | <u>2,929</u> | |
| | <u>FINANCIAL Adjustment</u> | <u>0</u> | <u>-2,982</u> | |
| | <u>INSIDE THE U.S. Total</u> | <u>483,270</u> | <u>119,380</u> | |

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|----------------------|---------------|-----------------------------------|-----------------|---------------|---------------|-------------|
| <u>INSTALLATION</u> | | | <u>AMOUNT</u> | <u>AMOUNT</u> | <u>AMOUNT</u> | |
| OUTSIDE THE U.S. | | | | | | |
| GUAM | | | | | | |
| | ANDERSEN AFB | LANDFILL CLOSURE | 8,900 | 2,097 | | CM |
| | | <u>ANDERSEN AFB Total</u> | <u>8,900</u> | <u>2,097</u> | | |
| | | <u>GUAM Total</u> | <u>8,900</u> | <u>2,097</u> | | |
| ITALY | | | | | | |
| | AVIANO AB | RADAR APPROACH CONTROL FACILITY | 3700 | 966 | | CM |
| | | <u>AVIANO AB Total</u> | <u>3,700</u> | <u>966</u> | | |
| | | <u>ITALY Total</u> | <u>3,700</u> | <u>966</u> | | |
| KOREA | | | | | | |
| | OSAN AB | ADD/ALTER PHYSICAL FITNESS CENTER | 7,600 | 2,229 | | CM |
| | | DORMITORY | 12,000 | 3,482 | | CM |
| | | <u>OSAN AB Total</u> | <u>19,600</u> | <u>5,711</u> | | |
| | | <u>KOREA Total</u> | <u>19,600</u> | <u>5,711</u> | | |
| PORTUGAL | | | | | | |
| | LAJES FIELD | APRON SECURITY LIGHTING | 1,800 | 479 | | CM |
| | | <u>LAJES FIELD Total</u> | <u>1,800</u> | <u>479</u> | | |
| | | <u>PORTUGAL Total</u> | <u>1,800</u> | <u>479</u> | | |
| SOUTH ATLANTIC OCEAN | | | | | | |
| | ASCENSION AAF | GPS SATELLITE CONTROL STATION | 2,150 | 512 | | CM |
| | | <u>ASCENSION AAF Total</u> | <u>2,150</u> | <u>512</u> | | |
| | | <u>SOUTH ATLANTIC OCEAN Total</u> | <u>2,150</u> | <u>512</u> | | |
| UNITED KINGDOM | | | | | | |
| | FELTWELL RAF | WASTEWATER TREATMENT PLANT | 3,000 | 786 | | CM |
| | | <u>FELTWELL RAF Total</u> | <u>3,000</u> | <u>786</u> | | |

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|---|-------------------------------|------------------------------|--------------------------------|-------------|
| LAKENHEATH RAF | CHILD DEVELOPMENT CENTER | 5,800 | 1,519 | 292 |
| | CONSOL SUPPORT COMPLEX | 12,400 | 3,221 | 296 |
| | <u>LAKENHEATH RAF Total</u> | <u>18,200</u> | <u>4,740</u> | |
| MILDENHALL RAF | CONSOL CORR CNTRL/MAINT CPLX | 10,200 | 2,693 | 300 |
| | HAZMAT STORAGE FACILITY | 1,000 | 267 | 305 |
| | KC-135 FLIGHT SIMULATOR FAC | 2,300 | 600 | 310 |
| | OPERATIONS FACILITY | 4,100 | 1,076 | 315 |
| | <u>MILDENHALL RAF Total</u> | <u>17,600</u> | <u>4,636</u> | |
| MOLESWORTH RAF | WASTEWATER TREATMENT PLANT | 1,700 | 445 | 320 |
| | <u>MOLESWORTH RAF Total</u> | <u>1,700</u> | <u>445</u> | |
| | <u>UNITED KINGDOM Total</u> | <u>40,500</u> | <u>10,607</u> | |
| | <u>FINANCIAL Adjustment</u> | <u>0</u> | <u>-394</u> | |
| | <u>OUTSIDE THE U.S. Total</u> | <u>76,650</u> | <u>19,978</u> | |

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|----------------------|------------------------------------|----------------|----------------|-------------|
| <u>INSTALLATION</u> | | <u>AMOUNT</u> | <u>AMOUNT</u> | |
| WORLDWIDE | | | | |
| VARIOUS LOCATIONS | PLANNING AND DESIGN | 28,004 | 28,004 | |
| | SUPERVISION, INSPECTION & OVERHEAD | 0 | 3,376 | |
| | UNSPECIFIED MINOR CONSTRUCTION | 8,741 | 8,741 | |
| | <u>VARIOUS LOCATIONS Total</u> | <u>36,745</u> | <u>40,121</u> | |
| | <u>WORLDWIDE Total</u> | <u>36,745</u> | <u>40,121</u> | |
| | <u>FY2000 Total</u> | <u>596,665</u> | <u>179,479</u> | |

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| CLASSIFIED LOCATIONS | VARIOUS | VARIOUS | 37 |
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| EGLIN AFB | AFMC | FLORIDA | 96 |
| EGLIN AUX FIELD #9 | AFSOC | FLORIDA | 88 |
| EIELSON AFB | PACAF | ALASKA | 44 |
| ELMENDORF AFB | PACAF | ALASKA | 54 |
| FAIRCHILD AFB | AMC | WASHINGTON | 235 |
| FELTWELL RAF | USAFE | UNITED KINGDOM | 266 |
| FORT BENNING | ACC | GEORGIA | 115 |
| FORT BRAGG | ACC | NORTH CAROLINA | 182 |
| FORT CAMPBELL | ACC | KENTUCKY | 142 |
| HICKAM AFB | PACAF | HAWAII | 128 |
| HILL AFB | AFMC | UTAH | 226 |
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| LACKLAND AFB | AETC | TEXAS | 215 |
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| LAKENHEATH RAF | USAFE | UNITED KINGDOM | 270 |
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| MCGUIRE AFB | AMC | NEW JERSEY | 174 |

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| MOUNTAIN HOME AFB | ACC | IDAHO | 132 |
| NELLIS AFB | ACC | NEVADA | 164 |
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**DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM
FISCAL YEAR 2000**

ECONOMIC CONSIDERATIONS

An economic evaluation has been accomplished for all projects costing over \$2 million and the results are addressed in the individual DD Forms 1391.

DESIGN FOR ACCESSIBILITY OF PHYSICALLY HANDICAPPED PERSONNEL

In accordance with Public Law, 90-480, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

ENVIRONMENTAL STATEMENT

In accordance with Section 102(2) (c) of the National Environmental Policy Act of 1969 (PL 91-190), the environmental impact analysis process (EIAP) has been completed or is actively underway for all projects in the Air Force FY 2000 Military Construction Program.

EVALUATION OF FLOOD PLAINS AND WETLANDS

All projects in the program have been evaluated for compliance with Executive Orders 11988, Flood plain Management, and 11990, Protection of Wetlands, and the Flood plain Management Guidelines of U.S. Water Resources Council. Projects have been sited to avoid or reduce the risk of flood loss, minimize the impact of floods or human safety, health and welfare, preserve and enhance the natural and beneficial values of wetlands and minimize the destruction, loss or degradation of wetlands.

ENVIRONMENTAL COMPLIANCE

The FY 00 MILCON request includes \$23 million (\$6 million in FY 00 appropriation) for requirements necessary to correct current environmental noncompliance situations and to prevent future noncompliance. The environmental compliance target areas for this program include live fire training facilities, sanitary sewer lines, landfill closures, hazardous material storage facilities, and wastewater treatment facilities.

CONGRESSIONAL REPORTING REQUIREMENTS

1. STATEMENTS ON NATO ELIGIBILITY

These are in response to the requirement in the FY 1988 Senate Appropriations Committee Report, 100-200, page 13, and are included in the appropriate project justification.

2. STATEMENTS ON COMPLIANCE WITH CONSTRUCTION MANUAL 4210.1M

These are in response to the requirement in the FY 1988 Senate Appropriations Conference Report, 100-498, page 1003, and are included in each project justification.

3. NEW AND CURRENT MISSION ACTIVITIES

The FY 1989 Senate Appropriations Committee Report, 100-380, pages 10 and 11, identified a requirement to include an exhibit in the budget justification books that displayed required projects in two separate categories: New Mission and Current Mission. The CM (current mission) or NM (new mission) designation which follows the project on the listing at page 15 identifies each project as new or current mission. Additionally, each justification in Block 11 of the DD Form 1391 indicates whether the project supports a new or current mission.

4. RESOLUTION TRUST CORPORATION ASSETS

The FY 1991 Senate Armed Services Committee Report 101-384, requested the Department to screen Resolution Trust Corporation assets to determine if proposed construction projects could be more economically met through the purchase of existing assets held by the Resolution Trust Corporation. The FY 00 Military Construction program was compared to the current real estate asset inventory published by the Resolution Trust Corporation. It was determined and the Department certified that no assets exist that can be economically used in lieu of the FY 00 projects requested.

5. REAL PROPERTY MAINTENANCE

The FY 1997 House Appropriations Committee Report 104-591, page 11, requested the Department to provide the real property maintenance backlog at all installations for which there is a requested construction project. Each DD Form 1390 reflects this information in block 12. In addition, all troop housing requests are to show all real property maintenance conducted in the past two years and all future requirements for unaccompanied housing at that installation. Each DD Form 1391 for troop housing reflects this information in block 11.

6. METRIC CONVERSION

The FY 1999 House Appropriation Committee Report 105-578, page 11, directed the Department to assure that any Form 1390/1391 which is presented as justification in metric measurement shall include parenthetically the English measurement. Each DD Form 1391 reflects the metric and English equivalent in block 11.

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FY 2000

THIRD PARTY FINANCING

Test of long-term facilities contracts

NONE

FY 2000

NON-MILCON FUNDING

| | |
|---|-------------|
| Research and Development (RDT&E) | NONE |
|---|-------------|

APPROPRIATIONS LANGUAGE

MILITARY CONSTRUCTION, AIR FORCE

For acquisition, construction, installation, and equipment of temporary or permanent public works, military installations, facilities, and real property of the Air Force as currently authorized by law \$596,665,000 (\$179,479,000 in appropriation) to remain available until September 30, 2004: Provided that, of this amount, not to exceed \$28,004,000 shall be available for study, planning, design, architect and engineer services, as authorized by law, unless the Secretary of Defense determines that additional obligations are necessary for such purposes and notifies the Committees on Appropriations of both Houses of Congress of his determination and the reasons therefore. In addition, for completion of projects begun in Fiscal Year 2000, \$379,867,000 to become available on October 1, 2000, and to remain available until September 30, 2005.

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|--|---|-----|-----|--------------|----------------|---------------|-------------------------------------|-----|-----|---------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | 2. DATE |
| AIR FORCE | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION CLASSIFIED LOCATIONS (INSIDE AND OUTSIDE THE UNITED STATES) | 4. COMMAND | | | | | | 5. AREA CONST COST INDEX 0.00 | | | |
| 6. PERSONNEL STRENGTH | PERMANENT | | | STUDENTS | | | SUPPORTED | | | TOTAL |
| | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | |
| a. As of 30 SEP 98 | | | | | | | | | | |
| b. End FY 2005 | | | | | | | | | | |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | |
| a. Total Acreage: (| 0) | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) | | | | | | | | | | 0 |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | 0 |
| d. Authorization Requested In This Program: | | | | | | | | | | 16,870 |
| e. Authorization Included In Following Program: (FY 2001) | | | | | | | | | | 1,810 |
| f. Planned In Next Four Program Years: | | | | | | | | | | 10,958 |
| g. Remaining Deficiency: | | | | | | | | | | 0 |
| h. Grand Total: | | | | | | | | | | 29,638 |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | |
| CATEGORY | | | | COST | | DESIGN STATUS | | | | |
| <u>CODE</u> | <u>PROJECT TITLE</u> | | | <u>SCOPE</u> | <u>(\$000)</u> | <u>START</u> | <u>CMPL</u> | | | |
| 100-000 | SPECIAL TACTICAL UNIT DETACHMENT FACILITY | | | LS | 977 | APR 98 | AUG 99 | | | |
| 100-000 | CLASSIFIED MILCON PROJECT | | | LS | 9,700 | | | | | |
| 100-000 | CLASSIFIED MILCON PROJECT | | | LS | 1,093 | | | | | |
| 141-454 | AIR CONTROL SQUADRON OPERATIONS COMPLEX | | | 2,600 SM | 5,100 | AUG 98 | SEP 99 | | | |
| TOTAL: | | | | | 16,870 | | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | |
| 100-000 | SPECIAL TACTICAL UNIT DETACHMENT FACILITY | | | LS | 1,810 | | | | | |
| TOTAL: | | | | | 1,810 | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | 0 |
| b. Water pollution: | | | | | | | | | | 0 |
| c. Occupational safety and health: | | | | | | | | | | 0 |
| d. Other Environmental: | | | | | | | | | | 0 |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | |
| | | | | | | | | | | 0 |

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|--|--|--|-------------------------|--------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | | 2. DATE |
| AIR FORCE | (computer generated) | | | |
| 3. INSTALLATION AND LOCATION | | 4. PROJECT TITLE | | |
| CLASSIFIED | | AIR CONTROL SQUADRON OPERATIONS COMPLEX | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | |
| 2.74.12 | 141-454 | HACC003004 | AUTH: | 5,100 |
| | | | APPROP: | 1,200 |
| 9. COST ESTIMATES | | | | |
| ITEM | U/M | QUANTITY | UNIT COST | COST (\$000) |
| AIR CONTROL SQUADRON OPERATIONS COMPLEX | SM | 2,600 | 1,066 | 2,772 |
| SUPPORTING FACILITIES | | | | 1,785 |
| UTILITIES | LS | | | (300) |
| SITE IMPROVEMENTS | LS | | | (150) |
| PAVEMENTS | LS | | | (265) |
| ALLIED SUPPORT | LS | | | (150) |
| WASH RACK | LS | | | (100) |
| PAINT BOOTH | LS | | | (150) |
| TECHNICAL EQUIPMENT PAD | LS | | | (670) |
| SUBTOTAL | | | | 4,557 |
| CONTINGENCY (5%) | | | | 228 |
| TOTAL CONTRACT COST | | | | 4,785 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | 273 |
| TOTAL REQUEST | | | | 5,058 |
| TOTAL REQUEST (ROUNDED) | | | | 5,100 |
| 10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs with maintenance free exterior masonry walls and standing seam metal roof, insulation, HVAC, power and secure work areas. All facilities will include necessary support including electrical, water, sewer, communications and fire protection equipment. Air Conditioning: 100 KW. | | | | |
| 11. REQUIREMENT: 2,600 SM ADEQUATE: 0 SUBSTANDARD: 0 PROJECT: Construct air control squadron (ACS) operations complex. (New Mission) REQUIREMENT: Permanent facilities of adequate size and configuration are required to accommodate the relocation of a command and reporting element (CRE) Air Control Squadron in FY01/2. This facility is required to accomplish ground control interceptor (GCI) training and support for controllers and pilots. In addition, the ACS has a mobility mission that requires radar, long-haul communication equipment, 35 vehicles, and 20 towed vehicles. Air-to-air missions, as well as air-to-air portions of air-to-ground missions, are controlled by GCI. Functions within this facility will consist of operations, vehicle/AGE maintenance, radar maintenance, communication maintenance, WRSK and supply storage, and support facilities. CURRENT SITUATION: The ACS is located at an existing base undergoing force structure changes that require this squadron to relocate in FY01/1. There are currently no facilities available at the receiving base to accommodate this relocation. IMPACT IF NOT PROVIDED: The CRE ACS will have no in-garrison facilities from which to perform their primary mission. This will severely impact | | | | |

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|---|--|---------|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION CLASSIFIED | | |
| 4. PROJECT TITLE AIR CONTROL SQUADRON OPERATIONS COMPLEX | 5. PROJECT NUMBER HACC003004 | |
| <p>their capability to train and deploy ACS personnel and equipment.</p> <p><u>ADDITIONAL</u>: This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Civil Engineering Facility Requirements." All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. Air Control Squadron: 2,600 SM = 27,986 SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | 2. DATE |
| AIR FORCE | (computer generated) | |
| 3. INSTALLATION AND LOCATION | | |
| CLASSIFIED | | |
| 4. PROJECT TITLE | 5. PROJECT NUMBER | |
| AIR CONTROL SQUADRON OPERATIONS COMPLEX | HACC003004 | |
| 12. SUPPLEMENTAL DATA: | | |
| a. Estimated Design Data: | | |
| (1) Status: | | |
| (a) Date Design Started | | 98 AUG 31 |
| (b) Parametric Cost Estimates used to develop costs | | Y |
| * (c) Percent Complete as of Jan 1999 | | 15% |
| * (d) Date 35% Designed. | | 98 DEC 10 |
| (e) Date Design Complete | | 99 SEP 01 |
| (f) Energy Study/Life-Cycle analysis was/will be performed | | Y |
| (2) Basis: | | |
| (a) Standard or Definitive Design - | | NO |
| (b) Where Design Was Most Recently Used - | | N/A |
| (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) | | |
| (a) Production of Plans and Specifications | | 306 |
| (b) All Other Design Costs | | 153 |
| (c) Total | | 459 |
| (d) Contract | | 382 |
| (e) In-house | | 77 |
| (4) Construction Start | | 00 FEB |
| (5) Construction Completion | | 01 FEB |
| * Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability. | | |
| b. Equipment associated with this project will be provided from other appropriations: N/A | | |

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|---|------------------|--|---------------------------|-----------|--------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE | |
| AIR FORCE | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| CLASSIFIED | | | CLASSIFIED MILCON PROJECT | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 3.41.11 | 100-000 | PAYZ000005 | AUTH: | | 9,700 |
| | | | APPROP: | | 9,700 |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| CLASSIFIED MILCON PROJECT | | LS | | | 9,700 |
| SUBTOTAL | | | | | 9,700 |
| TOTAL CONTRACT COST | | | | | 9,700 |
| TOTAL REQUEST | | | | | 9,700 |
| TOTAL REQUEST (ROUNDED) | | | | | 9,700 |
| 10. Description of Proposed Construction: | | | | | |
| 11. REQUIREMENT: As required. | | | | | |
| REQUIREMENT: Special Access Required. | | | | | |

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|---|------------------|--|------------------------------|-----------|--------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE | |
| AIR FORCE | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| CLASSIFIED | | | CLASSIFIED MILCON PROJECT | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 3.4.111 | 100-000 | PAYZ000006 | AUTH: 1,093 APPROP: 1,093 | | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| CLASSIFIED MILCON PROJECT | | LS | | | 1,093 |
| SUBTOTAL | | | | | 1,093 |
| TOTAL CONTRACT COST | | | | | 1,093 |
| TOTAL REQUEST | | | | | 1,093 |
| TOTAL REQUEST (ROUNDED) | | | | | 1,093 |
| 10. Description of Proposed Construction: | | | | | |
| 11. REQUIREMENT: As required. | | | | | |
| REQUIREMENT: Special access required | | | | | |

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|--|--|-------------------|--------------------------|-----------|--------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE | |
| AIR FORCE | | | | | |
| 3. INSTALLATION AND LOCATION | 4. PROJECT TITLE | | | | |
| CLASSIFIED | SPECIAL TACTICAL UNIT DETACHMENT FACILITY | | | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 2.72.48 | 100-000 | PAYZ000004 | AUTH: 977 APPROP: 244 | | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| SPECIAL TACTICAL UNIT DETACHMENT FACILITY | | LS | | | 977 |
| SUBTOTAL | | | | | 977 |
| TOTAL CONTRACT COST | | | | | 977 |
| TOTAL REQUEST | | | | | 977 |
| TOTAL REQUEST (ROUNDED) | | | | | 977 |
| 10. Description of Proposed Construction: | | | | | |
| 11. REQUIREMENT: As required. REQUIREMENT: Special Access Required. ADDITIONAL: This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. | | | | | |

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|--|--|---|------|--------------------|----------|----------|-----------------------------|---------------|-----|--------|-------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | 2. DATE | | | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | 4. COMMAND | | | 5. AREA CONST COST INDEX | | | | |
| EIELSON AIR FORCE BASE, ALASKA | | | | PACIFIC AIR FORCES | | | 1.74 | | | | |
| 6. PERSONNEL | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| STRENGTH | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 98 | | 247 | 2616 | 661 | | | | 54 | 113 | 574 | 4,265 |
| b. End FY 2005 | | 257 | 2776 | 660 | | | | 54 | 113 | 574 | 4,434 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (19,790) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) 630,197 | | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: 0 | | | | | | | | | | | |
| d. Authorization Requested In This Program: 24,100 | | | | | | | | | | | |
| e. Authorization Included In Following Program: (FY 2001) 1,550 | | | | | | | | | | | |
| f. Planned In Next Four Program Years: 70,272 | | | | | | | | | | | |
| g. Remaining Deficiency: 280,181 | | | | | | | | | | | |
| h. Grand Total: 1,006,300 | | | | | | | | | | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | | | | | COST | | DESIGN STATUS | | | |
| CODE | PROJECT TITLE | SCOPE | | (\$000) | | START | Cmpl | | | | |
| 111-111 | REPAIR RUNWAY | LS | | 14,000 | | APR 98 | SEP 99 | | | | |
| 113-321 | REPAIR KC-135 PARKING RAMP | LS | | 4,000 | | APR 98 | AUG 99 | | | | |
| 215-552 | WEAPONS & RELEASE SYSTEMS FACILITY | 2,700 SM | | 6,100 | | TURN KEY | | | | | |
| | | | | TOTAL: | | 24,100 | | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | |
| 442-257 | HAZARDOUS MATERIAL STORAGE | 450 SM | | 1,550 | | | | | | | |
| | | | | TOTAL: | | 1,550 | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 214-425 | CONSTRUCT TRANSPORTATION HEAVY MAINTENANCE FACILITY | 2,800 SM | | 8,500 | | | | | | | |
| 214-426 | HEATED MUNITIONS VEHICLE STORAGE FACILITY | 1,150 SM | | 2,600 | | | | | | | |
| 442-758 | CONSTRUCT SUPPLY COMPLEX, PHASE 2 | 3,775 SM | | 11,472 | | | | | | | |
| 721-312 | DORMITORY | 120 RM | | 15,400 | | | | | | | |
| 721-315 | VISITING AIRMEN QUARTERS | 150 RM | | 12,500 | | | | | | | |
| 740-674 | PHYSICAL FITNESS CENTER | LS | | 9,900 | | | | | | | |
| 890-185 | REPAIR UTILIDOR | 3,050 LM | | 9,900 | | | | | | | |
| 10. Mission or Major Functions: The host fighter wing supports an F-16 squadron, an A/OA-10 squadron, and a training squadron which conducts COPE THUNDER exercises. The installation also hosts an Air National Guard air refueling squadron (KC-135) and a training group which conducts arctic survival training. | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | 0 | |
| b. Water pollution: | | | | | | | | | | 0 | |
| c. Occupational safety and health: | | | | | | | | | | 0 | |
| d. Other Environmental: | | | | | | | | | | 0 | |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | 41,202 | |

| | | | | | |
|--|------------------|--|----------------------------|-----------|--------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | 2. DATE | |
| AIR FORCE | | (computer generated) | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| EIELSON AIR FORCE BASE, ALASKA | | | REPAIR KC-135 PARKING RAMP | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 2.75.96 | 113-321 | FTQW003018 | AUTH: 4,000 | | |
| | | | APPROP: 941 | | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| REPAIR KC-135 PARKING RAMP | | SM | 35,500 | | 2,793 |
| CONCRETE APRON | | SM | 21,600 | 92 | (1,987) |
| ASPHALT APRON | | SM | 13,900 | 58 | (806) |
| SUPPORTING FACILITIES | | | | | 604 |
| GROUNDING POINTS | | EA | 18 | 1,111 | (20) |
| SOIL REMEDIATION | | LS | | | (229) |
| PAVEMENT REMOVAL | | SM | 35,500 | 10 | (355) |
| SUBTOTAL | | | | | 3,397 |
| CONTINGENCY (10%) | | | | | 340 |
| TOTAL CONTRACT COST | | | | | 3,737 |
| SUPERVISION, INSPECTION AND OVERHEAD (6.5%) | | | | | 243 |
| TOTAL REQUEST | | | | | 3,980 |
| TOTAL REQUEST (ROUNDED) | | | | | 4,000 |
| 10. Description of Proposed Construction: Remove deteriorated asphalt and replace with new asphalt and concrete hardstands on the main parking ramp. Install grounding points, remediate fuel contaminated soil and dispose of removed pavement. | | | | | |
| 11. REQUIREMENT: 492,314 SM ADEQUATE: 456,814 SM | | | | | |
| SUBSTANDARD: 35,500 SM | | | | | |
| PROJECT: Repair KC-135 parking ramp. (Current Mission) | | | | | |
| REQUIREMENT: Pavement on the main parking ramp must be structurally sound and free of foreign object damage (FOD) potential. | | | | | |
| CURRENT SITUATION: Pavement is severely cracked and poses a high FOD potential. Five parking spots have been closed due to serious cracking and deterioration which has reached the sub-base material. This has forced the relocation of several KC-135s away from their maintenance hangars and equipment. The base is forced to use this pavement when many large aircraft are on station, as happens during all COPE THUNDER exercises. Over the past few years, the pavement has deteriorated rapidly and is currently rated very "poor" to "failed," posing a risk to aircraft. | | | | | |
| IMPACT IF NOT PROVIDED: The pavement will become unusable, forcing the KC-135 squadron to use other parts of the airfield not designed for heavy aircraft. This will reduce the squadron's ability to perform its refueling mission, adversely affecting necessary tanker support for fighter missions. COPE THUNDER exercises will be impacted by the limited number of heavy aircraft allowed on the aprons. FOD potential will worsen for both parked and taxiing aircraft. | | | | | |
| ADDITIONAL: A Defense Logistics Agency (DLA) FY00 hydrant fueling system project and an FY00 MILCON runway repair project are scheduled to be completed concurrently with this project. This project meets | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION EIELSON AIR FORCE BASE, ALASKA | | |
| 4. PROJECT TITLE REPAIR KC-135 PARKING RAMP | 5. PROJECT NUMBER FTQW003018 | |
| <p>criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of reasonable options for accomplishing this project was done. Only one option meets operational requirements. Therefore, A full economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: Lt Col Howell, 907-377-5213. CONCRETE APRON: 21,600SM = 25,488SY; ASPHALT APRON: 13,900SM = 16,402SY. This project is funded using advance appropriation. However, authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| AIR FORCE | | |
| 3. INSTALLATION AND LOCATION | | |
| EIELSON AIR FORCE BASE, ALASKA | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER |
| REPAIR KC-135 PARKING RAMP | | FTQW003018 |
| 12. SUPPLEMENTAL DATA: | | |
| a. Estimated Design Data: | | |
| (1) Status: | | |
| (a) Date Design Started | | 98 APR 02 |
| (b) Parametric Cost Estimates used to develop costs | | Y |
| * (c) Percent Complete as of Jan 1999 | | 15% |
| * (d) Date 35% Designed. | | 98 DEC 30 |
| (e) Date Design Complete | | 99 AUG 15 |
| (f) Energy Study/Life-Cycle analysis was/will be performed | | NA |
| (2) Basis: | | |
| (a) Standard or Definitive Design - | | NO |
| (b) Where Design Was Most Recently Used - | | N/A |
| (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) | | |
| (a) Production of Plans and Specifications | | 240 |
| (b) All Other Design Costs | | 120 |
| (c) Total | | 360 |
| (d) Contract | | 300 |
| (e) In-house | | 60 |
| (4) Construction Start | | 99 DEC |
| (5) Construction Completion | | 00 DEC |
| * Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability. | | |
| b. Equipment associated with this project will be provided from other appropriations: N/A | | |

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|--|------------------|--|-------------------------------|-----------|--------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE | |
| AIR FORCE | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| EIELSON AIR FORCE BASE, ALASKA | | | REPAIR RUNWAY | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 2.75.96 | 111-111 | FTQW003017 | AUTH: 14,000 APPROP: 3,334 | | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| REPAIR RUNWAY | | LS | | | 11,050 |
| CONCRETE PAVEMENT | | SM | 48,322 | 149 | (7,200) |
| ASPHALT PAVEMENT | | SM | 18,283 | 134 | (2,450) |
| SHOULDER REPAIR | | LS | | | (1,400) |
| SUPPORTING FACILITIES | | | | | 825 |
| DRAINAGE | | LS | | | (465) |
| RELOCATE RUNWAY LIGHTING | | LS | | | (215) |
| SOIL REMEDIATION | | LS | | | (145) |
| SUBTOTAL | | | | | 11,875 |
| CONTINGENCY (10%) | | | | | 1,188 |
| TOTAL CONTRACT COST | | | | | 13,063 |
| SUPERVISION, INSPECTION AND OVERHEAD (6.5%) | | | | | 849 |
| TOTAL REQUEST | | | | | 13,912 |
| TOTAL REQUEST (ROUNDED) | | | | | 14,000 |
| 10. Description of Proposed Construction: Full-depth replacement of center 75-foot wide section with concrete pavement, repair of adjacent asphalt pavement, shoulder repair, and relocation of runway edge lighting at approach end. Remediate contaminated soil and dispose of removed pavement. | | | | | |
| 11. REQUIREMENT: 202,259 SM ADEQUATE: 69,677 SM SUBSTANDARD: 132,582 SM PROJECT: Repair runway. (Current Mission) REQUIREMENT: Current runway conditions dictate a full-depth repair for continued long-term support of Eielson's daily flying operations which include F-16 and A-10/OA-10 missions, AMC's wide-bodied aircraft, Alaska Air National Guard tanker missions, and the annual COPE THUNDER exercises. CURRENT SITUATION: The existing asphalt surface has extensive surface cracks , plus severe thermal cracking due to the extreme cold weather conditions. Resurfacing of the existing pavement is impractical due to the numerous full-depth cracks which create a severe foreign object damage (FOD) hazard. IMPACT IF NOT PROVIDED: The stress and thermal cracking of the pavement will continue. Moisture will eventually penetrate to the foundation , causing eventual failure resulting in an unusable runway. There will be increased FOD potential and the possibility of engine damage to aircraft. ADDITIONAL: This project has been scheduled so that a Defense Logistics Agency (DLA) Hydrant Fueling System and FY00 Repair KC-135 Parking Ramp project can be completed during a single runway closure. This project meets the criteria/scope specified in Military Handbook 1190, "Facility Planning and Design Guide." An economic analysis has been prepared comparing all viable alternatives. Repair with concrete keel was found to | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION EIELSON AIR FORCE BASE, ALASKA | | |
| 4. PROJECT TITLE REPAIR RUNWAY | 5. PROJECT NUMBER FTQW003017 | |
| <p>be the most cost-effective choice. A certificate of exception has been prepared. BASE CIVIL ENGINEER: Lt Col Howell, 907-377-5213. CONCRETE PAVEMENT: 48,322SM = 57,450SY; ASPHALT PAVEMENT: 18,283SM = 21,736SY. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| AIR FORCE | | |
| 3. INSTALLATION AND LOCATION | | |
| EIELSON AIR FORCE BASE, ALASKA | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER |
| REPAIR RUNWAY | | FTQW003017 |
| 12. SUPPLEMENTAL DATA: | | |
| a. Estimated Design Data: | | |
| (1) Status: | | |
| (a) Date Design Started | | 98 APR 02 |
| (b) Parametric Cost Estimates used to develop costs | | Y |
| * (c) Percent Complete as of Jan 1999 | | 15% |
| * (d) Date 35% Designed. | | 98 DEC 30 |
| (e) Date Design Complete | | 99 SEP 15 |
| (f) Energy Study/Life-Cycle analysis was/will be performed | | NA |
| (2) Basis: | | |
| (a) Standard or Definitive Design - | | NO |
| (b) Where Design Was Most Recently Used - | | N/A |
| (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) | | |
| (a) Production of Plans and Specifications | | 840 |
| (b) All Other Design Costs | | 420 |
| (c) Total | | 1260 |
| (d) Contract | | 1120 |
| (e) In-house | | 140 |
| (4) Construction Start | | 99 DEC |
| (5) Construction Completion | | 01 DEC |
| * Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability. | | |
| b. Equipment associated with this project will be provided from other appropriations: N/A | | |

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|--|--|----------------------------------|-------------------------|--------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | | 2. DATE |
| AIR FORCE | (computer generated) | | | |
| 3. INSTALLATION AND LOCATION | | 4. PROJECT TITLE | | |
| EIELSON AIR FORCE BASE, ALASKA | | WEAPONS RELEASE SYSTEMS FACILITY | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | |
| 2.75.96 | 215-552 | FTQW850019R3 | AUTH: | 6,100 |
| | | | APPROP: | 1,451 |
| 9. COST ESTIMATES | | | | |
| ITEM | U/M | QUANTITY | UNIT COST | COST (\$000) |
| WEAPONS RELEASE SYSTEMS FACILITY | SM | 2,700 | 1,800 | 4,860 |
| SUPPORTING FACILITIES | | | | 619 |
| UTILITIES | LS | | | (155) |
| PAVEMENTS | LS | | | (130) |
| SITE IMPROVEMENTS | LS | | | (95) |
| DEMOLITION | SM | 800 | 131 | (105) |
| ENVIRONMENTAL SITE REMEDIATION | LS | | | (134) |
| SUBTOTAL | | | | 5,479 |
| CONTINGENCY (5%) | | | | 274 |
| TOTAL CONTRACT COST | | | | 5,753 |
| SUPERVISION, INSPECTION AND OVERHEAD (6.5%) | | | | 374 |
| TOTAL REQUEST | | | | 6,127 |
| TOTAL REQUEST (ROUNDED) | | | | 6,100 |
| 10. Description of Proposed Construction: Concrete foundation and floor slab over non-frost susceptible soil, concrete block walls, roof, and hot water/glycol heating system. Includes all utilities, pavements, fire protection, demolition of one building (800SM), contaminated soil remediation, and other necessary support. | | | | |
| 11. REQUIREMENT: 2,700 SM ADEQUATE: 0 SUBSTANDARD: 800 SM <u>PROJECT:</u> Construct a weapons release systems facility (Current Mission) <u>REQUIREMENT:</u> An adequate facility is required for the maintenance, inspection, and storage of aircraft weapons release systems and associated equipment for F-16 and OA-10 aircraft, as well as aircraft deployed during COPE THUNDER exercises. The facility must be sized and located to adequately support the mission and allow effective operations. Arctic conditions necessitate Alternate Mission Equipment (AME) be stored indoors to preclude deterioration and be readily available. <u>CURRENT SITUATION:</u> Aircraft munitions release systems and AME for F-16 and OA-10 aircraft can not be maintained and sheltered from the harsh Arctic environment due to lack of sufficient facility space. The existing facility is inadequately sized and configured to support the assigned F-16 and A-10/OA-10 aircraft. Also, additional aircraft deploy to Eielson to use the COPE THUNDER range. Both AME and maintenance personnel have increased due to the increased air operations. Both have more than doubled. The existing facility is a severely deteriorated wooden building which has exceeded its useful life and is too small for the assigned personnel and equipment. Equipment must be stored outside, causing failures due to the extreme cold. AME items stored outside must be brought indoors and maintained or thawed before use. The existing facility is over two miles from the assigned aircraft operational areas, | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION EIELSON AIR FORCE BASE, ALASKA | | |
| 4. PROJECT TITLE WEAPONS RELEASE SYSTEMS FACILITY | 5. PROJECT NUMBER FTQW850019R3 | |
| <p>causing travel delays, increased fuel usage, and additional travel time, reducing sortie generation capability.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Inadequate facilities to maintain and protect aircraft munitions release systems and AME from ice, snow, and subzero temperatures will continue to adversely impact mission accomplishment. Outside storage of equipment will cause continued failures and excess maintenance due to exposure to snow, ice, and cold. Inadequate workspace will continue to reduce productivity and cause mission delays.</p> <p><u>ADDITIONAL:</u> This project exceeds the criteria/scope specified in Military Handbook 1190, "Facility Planning and Design Guide." The additional scope is required due to severe Arctic conditions at Eielson AFB and the multiple missions supported. Preliminary analysis of reasonable options for satisfying this requirement was done. Only one solution meets operational requirements. Therefore, a full economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: Lt Col Howell, 907-377-5213. WEAPONS RELEASE SYSTEMS FACILITY: 2,700SM = 2,889SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION EIELSON AIR FORCE BASE, ALASKA | | |
| 4. PROJECT TITLE WEAPONS RELEASE SYSTEMS FACILITY | 5. PROJECT NUMBER FTQW850019R3 | |
| 12. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Project to be accomplished by design-build procedures (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Design Allowance 305 (4) Construction Start 99 DEC (5) Construction Completion 01 JUN (6) Energy Study/Life-Cycle analysis was/will be performed Y b. Equipment associated with this project will be provided from other appropriations: N/A | | |

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|---|---------------------------|---|------|-----|-----------|--------------------|--------------|-----------|--------------------------|---------|-------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | 2. DATE | | | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | | 4. COMMAND | | | 5. AREA CONST COST INDEX | | |
| ELMENDORF AIR FORCE BASE, ALASKA | | | | | | PACIFIC AIR FORCES | | | 1.53 | | |
| 6. PERSONNEL STRENGTH | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 98 | | 814 | 5961 | 826 | | | | 114 | 254 | 138 | 10,107 |
| b. End FY 2005 | | 815 | 5956 | 814 | | | | 114 | 254 | 138 | 10,091 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (13,122) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) | | | | | | | | | | 554,534 | |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | 0 | |
| d. Authorization Requested In This Program: | | | | | | | | | | 32,800 | |
| e. Authorization Included In Following Program: (FY 2001) | | | | | | | | | | 28,500 | |
| f. Planned In Next Four Program Years: | | | | | | | | | | 61,700 | |
| g. Remaining Deficiency: | | | | | | | | | | 239,912 | |
| h. Grand Total: | | | | | | | | | | 917,446 | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | PROJECT TITLE | | | SCOPE | | COST (\$000) | | DESIGN STATUS | | |
| <u>CODE</u> | | | | | | | | | <u>START</u> | | <u>CMPL</u> |
| 113-321 | CONSTRUCT | C-130 PARKING RAMP | | | 97,500 SM | | 17,000 | | APR 98 | | AUG 99 |
| 721-312 | DORMITORY | | | | 144 RM | | 15,800 | | TURN KEY | | |
| TOTAL: | | | | | | | 32,800 | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | |
| 211-111 | UPGRADE | HANGAR COMPLEX | | | 8,500 SM | | 12,000 | | | | |
| 721-312 | DORMITORY | | | | 144 RM | | 16,500 | | | | |
| TOTAL: | | | | | | | 28,500 | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 211-179 | AIRCRAFT FUEL SYSTEMS | MAINTENANCE HANGAR | | | 3,000 SM | | 13,000 | | | | |
| 214-426 | C-5 NOSEDOCK/VEHICLE | OPERATIONS/STORAGE | | | 8,175 SM | | 20,000 | | | | |
| 219-944 | CONSTRUCT | ENTOMOLOGY FACILITY | | | 220 SM | | 1,200 | | | | |
| 721-312 | DORMITORY | | | | 144 RM | | 16,300 | | | | |
| 740-674 | ADD TO AND ALTER | PHYSICAL FITNESS CENTER | | | LS | | 1,700 | | | | |
| 851-147 | ALTER ROADWAY INTERCHANGE | DAVIS HW | | | LS | | 9,500 | | | | |
| 10. Mission or Major Functions: The host wing supports three fighter squadrons including two F-15C/D squadrons, one F-15E squadron, one E3 airborne warning and control squadron and an airlift squadron with C-130H and C-12 aircraft. | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | 0 | |
| b. Water pollution: | | | | | | | | | | 0 | |
| c. Occupational safety and health: | | | | | | | | | | 1,200 | |
| d. Other Environmental: | | | | | | | | | | 0 | |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | 15,229 | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE |
| 3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA | | 4. PROJECT TITLE CONSTRUCT C-130 PARKING RAMP | |
| 5. PROGRAM ELEMENT 2.75.96 | 6. CATEGORY CODE 113-321 | 7. PROJECT NUMBER FXSB983011 | 8. PROJECT COST (\$000) AUTH: 17,000 APPROP: 3,995 |

| 9. COST ESTIMATES | | | | |
|---|-----|----------|-----------|--------------|
| ITEM | U/M | QUANTITY | UNIT COST | COST (\$000) |
| CONSTRUCT C-130 PARKING RAMP | LS | | | 6,154 |
| APRONS | SM | 17,000 | 110 | (1,870) |
| TAXIWAY | SM | 70,000 | 48 | (3,360) |
| ASPHALT SHOULDER | SM | 10,500 | 88 | (924) |
| SUPPORTING FACILITIES | | | | 8,831 |
| UTILITIES RELOCATION | LS | | | (1,562) |
| SITE WORK/DRAINAGE | LS | | | (4,250) |
| DEMOLITION/SOIL REMEDIATION | LS | | | (3,019) |
| SUBTOTAL | | | | 14,985 |
| CONTINGENCY (5%) | | | | 749 |
| TOTAL CONTRACT COST | | | | 15,734 |
| SUPERVISION, INSPECTION AND OVERHEAD (6.5%) | | | | 1,023 |
| TOTAL REQUEST | | | | 16,757 |
| TOTAL REQUEST (ROUNDED) | | | | 17,000 |

10. Description of Proposed Construction: Construct new aircraft parking apron with taxiways and shoulders. Demolish three existing hardstands. Install fuel hydrants and associated piping, taxiway lighting, security lighting, and blast fence. Relocate existing utilities and upgrade an existing asphalt access road. Remediate contaminated soil, dispose of removed pavement, and provide all other necessary support.

11. REQUIREMENT: 428,723 SM ADEQUATE: 331,223 SM
SUBSTANDARD: 425,352 SM
PROJECT: Construct an aircraft parking ramp. (New Mission)
REQUIREMENT: An additional C-130 parking ramp is required to park seven C-130s which were transferred from Yokota Air Base, Japan. These aircraft support training for airborne forces of the Army's 6th Infantry Division (Light) at Fort Richardson and Fort Wainwright, Alaska. They also provide airlift support for Pacific Air Forces and 11th Air Force, logistical resupply of long-range radar sites in Alaska and fighter deployments. For expeditious mission accomplishment, these parking spots must be located close together and near the squadron operations and maintenance facilities which are currently under construction via the FY 97 MILCON Squadron Operations/Hangar/Aircraft Maintenance Unit (Sq Ops/Hangar/AMU) project. Refueling hydrants are required at each parking spot. Existing utilities must be relocated to accommodate the new parking ramp.
CURRENT SITUATION: All airlift operations are located on the north side of the base while the fighter operations and the main base cantonment area is located on the south side. Both sides are separated by the active main runway, which runs east and west. There are 31 aircraft parking spots on the north side of the airfield. Three spots are reserved for heavy aircraft (only spots where C5, 747, etc, can park), two spots are for

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA | | |
| 4. PROJECT TITLE CONSTRUCT C-130 PARKING RAMP | 5. PROJECT NUMBER FXSB983011 | |
| <p>assigned AWACS aircraft, one spot is located in the runway clear zone, one spot is for decontaminating aircraft and unloading hazardous waste, one spot will be lost when the new FY 97 Sq Ops/Hangar/AMU is completed, one spot is reserved for a civilian jet operating under an Air Force contract and 13 spots are dedicated for Air Mobility Command transient aircraft. This only leaves nine parking spots for 18 assigned C-130s and four C-12s, with no parking spots for TDY C-130 aircraft participating in COPE THUNDER and other joint exercises.</p> <p><u>IMPACT IF NOT PROVIDED:</u> There is insufficient area to park all assigned C-130 and C-12 aircraft at Elmendorf. Consequently, it will be necessary to park them in transient parking spots and thereby limit transient aircraft at Elmendorf, which will have a detrimental effect on the Air Force mission. Also, it will necessitate numerous crossings of the active runway to load and service these aircraft. These additional runway crossings increase the hazards to aircraft operations.</p> <p><u>ADDITIONAL:</u> This project will be constructed concurrently with a Defense Logistics Agency (DLA) FY00 Hydrant Fueling System project. A preliminary analysis of reasonable options for accomplishing this project was done. Only one option meets operational requirements. Therefore, a full economic analysis was not performed. A certificate of exception has been prepared. This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." BASE CIVIL ENGINEER: Col Hansen, 907-552-9978. CONCRETE APRON: 17,000SM = 20,197SY; ASPHALT APRON/TAXIWAY: 70,000SM = 83,167SY; ASPHALT SHOULDER: 10,500SM = 12,390SY. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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|--|--|---------|-------------------------|-----------|---|---|---------------------------------------|-----|--------------------------|-----------|--------------------------|-----------|--|----|-------------------------------------|----|---|-----|--|------|----------------------------|-----|-----------|------|--------------|------|--------------|-----|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. PROJECT TITLE CONSTRUCT C-130 PARKING RAMP | 5. PROJECT NUMBER FXSB983011 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>98 APR 02</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>Y</td> </tr> <tr> <td>* (c) Percent Complete as of Jan 1999</td> <td>15%</td> </tr> <tr> <td>* (d) Date 35% Designed.</td> <td>98 DEC 30</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>99 AUG 15</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td>NA</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>1020</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>510</td> </tr> <tr> <td>(c) Total</td> <td>1530</td> </tr> <tr> <td>(d) Contract</td> <td>1360</td> </tr> <tr> <td>(e) In-house</td> <td>170</td> </tr> </table> <p>(4) Construction Start 99 DEC</p> <p>(5) Construction Completion 01 DEC</p> <p>* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> | | | (a) Date Design Started | 98 APR 02 | (b) Parametric Cost Estimates used to develop costs | Y | * (c) Percent Complete as of Jan 1999 | 15% | * (d) Date 35% Designed. | 98 DEC 30 | (e) Date Design Complete | 99 AUG 15 | (f) Energy Study/Life-Cycle analysis was/will be performed | NA | (a) Standard or Definitive Design - | NO | (b) Where Design Was Most Recently Used - | N/A | (a) Production of Plans and Specifications | 1020 | (b) All Other Design Costs | 510 | (c) Total | 1530 | (d) Contract | 1360 | (e) In-house | 170 |
| (a) Date Design Started | 98 APR 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Parametric Cost Estimates used to develop costs | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * (c) Percent Complete as of Jan 1999 | 15% | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * (d) Date 35% Designed. | 98 DEC 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) Date Design Complete | 99 AUG 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (f) Energy Study/Life-Cycle analysis was/will be performed | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Standard or Definitive Design - | NO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Where Design Was Most Recently Used - | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Production of Plans and Specifications | 1020 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) All Other Design Costs | 510 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Total | 1530 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (d) Contract | 1360 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) In-house | 170 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|---|------------------|--|-------------------------------|-----------|--------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE | |
| AIR FORCE | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| ELMENDORF AIR FORCE BASE, ALASKA | | | DORMITORY | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 2.75.96 | 721-312 | FXSB003007 | AUTH: 15,800 APPROP: 3,727 | | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| DORMITORY (144RM) | | SM | 5,040 | 2,250 | 11,340 |
| SUPPORTING FACILITIES | | | | | 2,707 |
| UTILITIES | | LS | | | (999) |
| PAVEMENTS | | LS | | | (623) |
| SITE IMPROVEMENTS | | LS | | | (985) |
| CONTAMINATED SOIL REMEDIATION | | LS | | | (100) |
| SUBTOTAL | | | | | 14,047 |
| CONTINGENCY (5%) | | | | | 702 |
| TOTAL CONTRACT COST | | | | | 14,749 |
| SUPERVISION, INSPECTION AND OVERHEAD (6.5%) | | | | | 959 |
| TOTAL REQUEST | | | | | 15,708 |
| TOTAL REQUEST (ROUNDED) | | | | | 15,800 |
| 10. Description of Proposed Construction: A three-story dormitory with reinforced concrete foundation and floor slabs, masonry walls and metal roof. Includes room-bath/kitchen-room modules, laundry rooms, storage, louareas, site preparation, and all other supporting facilities. Grade Mix: 144 E1-E4. | | | | | |
| 11. REQUIREMENT: 1,412 RM ADEQUATE: 754 RM SUBSTANDARD: 0 PROJECT: Construct a dormitory. (Current Mission) REQUIREMENT: A major Air Force objective provides unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. This project is in accordance with the Air Force Dormitory Master Plan. CURRENT SITUATION: The base has insufficient facilities to accommodate unaccompanied enlisted personnel. Local rentals and utilities are so expensive that enlisted personnel cannot afford to live in off base housing which is also located several miles from the base. The problem is magnified by the severe Alaskan winter driving conditions. IMPACT IF NOT PROVIDED: Adequate living quarters will continue to be unavailable resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. Low morale will contribute to retention difficulties for the Air Force. ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard known as "one-plus-one" established by OSD. No other option could meet the mission requirements; therefore, no economic | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA | | |
| 4. PROJECT TITLE DORMITORY | 5. PROJECT NUMBER FXSB003007 | |
| <p>analysis was needed or performed. FY 1997 Unaccompanied housing RPM conducted: \$3,296K, FY 1998 Unaccompanied Housing RPM conducted: \$2,868K. Future Unaccompanied Housing RPM requirements (estimated): FY99: \$2,931K; FY00: \$2,995; FY01: \$3,061; FY02: \$3,128K; FY03: \$3,197. BASE CIVIL ENGINEER: Col. Kevin Hansen, 907-552-4833. DORMITORY (144RM) 5040SM = 53928SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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|--|--|---------|-------------------------------------|----|---|-----|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | | | | |
| 3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA | | | | | | |
| 4. PROJECT TITLE DORMITORY | 5. PROJECT NUMBER FXSE003007 | | | | | |
| <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by design-build procedures</p> <p>(2) Basis:</p> <table data-bbox="354 661 1393 724"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Design Allowance 790</p> <p>(4) Construction Start 99 DEC</p> <p>(5) Construction Completion 01 DEC</p> <p>(6) Energy Study/Life-Cycle analysis was/will be performed Y</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> | | | (a) Standard or Definitive Design - | NO | (b) Where Design Was Most Recently Used - | N/A |
| (a) Standard or Definitive Design - | NO | | | | | |
| (b) Where Design Was Most Recently Used - | N/A | | | | | |

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|--|--|---|------|--------------------|----------|--------------|-----|--------------------|-----|---------|-------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | 2. DATE | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | 4. COMMAND | | | | 5. AREA CONST | | | |
| DAVIS-MONTHAN AIR FORCE BASE, ARIZONA | | | | AIR COMBAT COMMAND | | | | COST INDEX 0.93 | | | |
| 6. PERSONNEL | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| STRENGTH | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 98 | | 826 | 4881 | 1326 | | | | 61 | 165 | 307 | 7,566 |
| b. End FY 7005 | | 818 | 4866 | 1297 | | | | 61 | 165 | 307 | 7,514 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (10,633) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) | | 334,325 | | | | | | | | | |
| c. Authorization Not Yet In Inventory: | | 0 | | | | | | | | | |
| d. Authorization Requested In This Program: | | 7,800 | | | | | | | | | |
| e. Authorization Included In Following Program: (FY 2001) | | 14,900 | | | | | | | | | |
| f. Planned In Next Four Program Years: | | 32,300 | | | | | | | | | |
| g. Remaining Deficiency: | | 37,485 | | | | | | | | | |
| h. Grand Total: | | 426,810 | | | | | | | | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | PROJECT TITLE | | SCOPE | | COST (\$000) | | DESIGN STATUS | | | |
| CODE | | | | | | | | START | | Cmpl | |
| 113-321 | | AIRCRAFT PROCESSING RAMP (WORKING CAPITAL FUND) | | 60,200 SM | | 7,800 | | TURN KEY | | | |
| | | | | TOTAL: | | 7,800 | | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | |
| 721-312 | | DORMITORY | | 120 RM | | 7,500 | | | | | |
| 740-674 | | PHYSICAL FITNESS CENTER | | 4,760 SM | | 7,400 | | | | | |
| | | | | TOTAL: | | 14,900 | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 113-321 | | AIRCRAFT RAMP | | 8,500 SM | | 6,900 | | | | | |
| 130-142 | | FIRE/CRASH RESCUE STATION | | 3,000 SM | | 7,000 | | | | | |
| 610-281 | | MISSION SUPPORT CENTER | | 3,300 SM | | 5,600 | | | | | |
| 721-312 | | DORMITORY | | 120 RM | | 8,200 | | | | | |
| 740-884 | | CHILD DEVELOPMENT CENTER | | 2,285 SM | | 4,600 | | | | | |
| 10. Mission or Major Functions: Headquarters 12th Air Force; a wing with two fighter training squadrons responsible for training all A/OA-10 aircrews; one A/OA-10 fighter squadron, two EC-130 electronic combat squadrons, and one EC-130 airborne command and control squadron; an Air Force Reserve HH-60 rescue squadron; an Air National Guard air defense flex site(F-16 aircraft); and Air Force Materiel Command's Aerospace Maintenance and Regeneration Squadron. | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | |
| a. Air pollution: | | 0 | | | | | | | | | |
| b. Water pollution: | | 0 | | | | | | | | | |
| c. Occupational safety and health: | | 0 | | | | | | | | | |
| d. Other Environmental: | | 0 | | | | | | | | | |
| 12. Real Property Maintenance Backlog This Installation | | 19,609 | | | | | | | | | |

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|---|--|--|---|-----------|--------------|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE | |
| 3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA | | 4. PROJECT TITLE AIRCRAFT PROCESSING RAMP (WORKING CAPITAL FUND) | | | |
| 5. PROGRAM ELEMENT 7.28.96 | 6. CATEGORY CODE 113-321 | 7. PROJECT NUMBER FBNV980503 | 8. PROJECT COST (\$000) AUTH: 7,800 APPROP: 1,847 | | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| AIRCRAFT PROCESSING RAMP (WORKING CAPITAL FUND) | | SM | 60,200 | 94 | 5,659 |
| SUPPORTING FACILITIES | | | | | 1,328 |
| ASPHALT PAVEMENT | | LS | | | (135) |
| TIE DOWNS/GROUND POINTS | | LS | | | (280) |
| UTILITIES | | LS | | | (310) |
| RAMP LIGHTING | | LS | | | (450) |
| ENVIRONMENTAL MITIGATION | | LS | | | (153) |
| SUBTOTAL | | | | | 6,987 |
| CONTINGENCY (5%) | | | | | 349 |
| TOTAL CONTRACT COST | | | | | 7,336 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 418 |
| TOTAL REQUEST | | | | | 7,754 |
| TOTAL REQUEST (ROUNDED) | | | | | 7,800 |
| 10. Description of Proposed Construction: Work includes the removal of 66,000 square meters of aluminum matting and construction of a new 14-1/2 inch concrete ramp. Includes all necessary base course, cut and fill as required, water/runoff control, replacement of underground utilities, removal of old ramp lighting and installation of new pole mounted lighting, and environmental mitigation. | | | | | |
| 11. REQUIREMENT: As required. PROJECT: Aircraft processing ramp. (Current Mission) REQUIREMENT: The aerospace maintenance and regeneration center (AMARC) needs a permanent ramp space to process all DoD aircraft for preservation and reactivation. This project will provide a permanent, impervious concrete ramp necessary to prepare aircraft for preservation, reactivation, and as a storage point for aircraft which are in a flyaway hold status. CURRENT SITUATION: Currently the aircraft processing is accomplished on AM-2 aluminum matting salvaged from the Vietnam war in 1972. The matting was designed to provide a temporary aircraft operating surface until a permanent ramp could be constructed. This ramp is the primary receiving point for all aircraft arriving at AMARC. The original heat reflective non-skid surface has completely worn out. Therefore, water, oil, and fuel dripping from aircraft and vehicles have made the surface extremely slick creating a safety hazard for personnel. Erosion of the sand bed beneath the matting have also created an uneven surface making it extremely difficult to provide crane support for aircraft. In FY96, 512 aircraft were received. At any given time, there are fifty to sixty aircraft parked on the ramp. OSHA standards require F-16s to remain on concrete surface because of possible hydrazine leaks. During FY97, twenty-nine | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA | | |
| 4. PROJECT TITLE AIRCRAFT PROCESSING RAMP (WORKING CAPITAL FUND) | 5. PROJECT NUMBER FBNV980503 | |
| <p>F-16 were processed through AMARC and presently has twenty-four F-16 aircraft on flyaway hold status for foreign military sales.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The failed working surface of the AM-2 matting will continue to jeopardize the AMARC mission by delaying aircraft processing, present safety and environmental hazards, and cause damage to aircraft being processed.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in the Air Force Handbook 32-1084, "Facility Requirements." Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. The requirement for this project was validated by the Joint Service Depot Maintenance Industrial Military Construction Review on 13 May 1997. Base Civil Engineer: Lt Col Benjamin Anderson, (602) 750-3401. Aircraft Processing Ramp: 60,200SM = 647,752SF. This project is funded using advance appropriation. However, full authorization is requested in the year of intial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA. | | |
| 4. PROJECT TITLE AIRCRAFT PROCESSING RAMP (WORKING CAPITAL FUND) | 5. PROJECT NUMBER FBNV980503 | |
| 12. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Project to be accomplished by design-build procedures (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Design Allowance 390 (4) Construction Start 00 JAN (5) Construction Completion 01 MAR (6) Energy Study/Life-Cycle analysis was/will be performed Y b. Equipment associated with this project will be provided from other appropriations: N/A | | |

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|--|--|---|------|----------|--------------------|---------|--------|-----------------------------|---------|--------|-------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | 2. DATE | | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | 4. COMMAND | | | 5. AREA CONST COST INDEX | | | |
| BEALE AIR FORCE BASE, CALIFORNIA | | | | | AIR COMBAT COMMAND | | | 1.23 | | | |
| 6. PERSONNEL STRENGTH | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 98 | | 326 | 2758 | 608 | | | | 12 | 86 | 74 | 3,864 |
| b. End FY 2005 | | 320 | 2765 | 597 | | | | 12 | 86 | 74 | 3,854 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (22,944) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) 194,768 | | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: 0 | | | | | | | | | | | |
| d. Authorization Requested In This Program: 8,900 | | | | | | | | | | | |
| e. Authorization Included In Following Program: (FY 2001) 4,000 | | | | | | | | | | | |
| f. Planned In Next Four Program Years: 24,350 | | | | | | | | | | | |
| g. Remaining Deficiency: 26,814 | | | | | | | | | | | |
| h. Grand Total: 258,832 | | | | | | | | | | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | | | COST | | | | DESIGN STATUS | | | |
| CODE | PROJECT TITLE | | | SCOPE | | (\$000) | START | Cmpl | | | |
| 130-142 | FLIGHTLINE FIRE STATION | | | 3,400 SM | | 8,900 | AUG 98 | SEP 99 | | | |
| | | | | | | TOTAL: | 8,900 | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | |
| 841-165 | WATER TREATMENT PLANT AND DISTRIBUTION LINE | | | LS | | 4,000 | | | | | |
| | | | | | | TOTAL: | 4,000 | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 121-111 | PETROLEUM OPERATIONS FACILITY | | | 400 SM | | 1,900 | | | | | |
| 442-758 | CONSOLIDATED MOBILITY BAG CONTROL CENTER | | | 5,000 SM | | 5,400 | | | | | |
| 721-312 | DORMITORY | | | 120 RM | | 10,400 | | | | | |
| 740-674 | ADD/ALTER PHYSICAL FITNESS CENTER | | | 3,300 SM | | 6,650 | | | | | |
| 10. Mission or Major Functions: A reconnaissance wing which includes two U-2 reconnaissance squadrons, one of which is responsible for training all U-2 aircrews; a Contingency Airborne Reconnaissance System (CARS); an Air Force Space Command missile warning squadron which operates one of the Phased Array Warning System (PAVE PAWS) radars; and an Air Force Reserve wing with KC-135 aircraft. | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | 0 | |
| b. Water pollution: | | | | | | | | | | 0 | |
| c. Occupational safety and health: | | | | | | | | | | 0 | |
| d. Other Environmental: | | | | | | | | | | 0 | |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | 19,275 | |

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|--|------------------|--|------------------------------|-----------|--------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE | |
| AIR FORCE | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| BEALE AIR FORCE BASE, CALIFORNIA | | | FLIGHTLINE FIRE STATION | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 2.75.96 | 130-142 | BAEY911005R2 | AUTH: 8,900 APPROP: 2,086 | | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| FLIGHTLINE FIRE STATION | | SM | 3,400 | 1,745 | 5,933 |
| SUPPORTING FACILITIES | | | | | 2,041 |
| UTILITIES | | LS | | | (698) |
| PAVEMENTS | | LS | | | (400) |
| SITE IMPROVEMENTS | | LS | | | (350) |
| DEMOLITION/ASBESTOS REMOVAL | | SM | 325 | 151 | (49) |
| ACCESS ROAD | | LM | 1,400 | 210 | (294) |
| COMMUNICATIONS SUPPORT | | LS | | | (150) |
| BACKUP POWER GENERATION | | LS | | | (100) |
| SUBTOTAL | | | | | 7,974 |
| CONTINGENCY (5%) | | | | | 399 |
| TOTAL CONTRACT COST | | | | | 8,373 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 477 |
| TOTAL REQUEST | | | | | 8,850 |
| TOTAL REQUEST (ROUNDED) | | | | | 8,900 |
| EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD) | | | | | (250) |
| 10. Description of Proposed Construction: Reinforced concrete foundation and industrial floor slab, masonry walls, structural frame and formed metal roof system, utilities, paving, landscaping, and necessary support. Work also includes a taxiway access road and demolition of one facility (325 SM). Air Conditioning: 60 KW. | | | | | |
| 11. REQUIREMENT: 3,400 SM ADEQUATE: 260 SM SUBSTANDARD: 1,453 SM PROJECT: Construct a flightline fire station. (Current Mission) REQUIREMENT: An adequate facility is required to house both crash and structural functions of the fire department. Crash and structural fire station functions consolidated into one facility is required for operational effectiveness and efficiency. The facility must house fire protection vehicles, support equipment, operating supplies, administration, equipment maintenance, and operations personnel. It must be located at a site that enables firefighters to respond to flightline crash and contonement structural fires within prescribed response times. CURRENT SITUATION: The existing structural station is located in a wooden World War II-era structure built in 1942. The facility has no fire wall separating the engine stalls from sleeping quarters, no fire sprinkler system, poor ventilation, and failing structural members. The existing flightline crash station has no direct access to the runway. The flightline crash station does not meet the time-distance criteria of three minutes for unannounced flightline incidents and ten minutes for structural fires. The vehicle stalls in the flightline crash station were built for 1960-vintage equipment and cannot be used by larger, modern crash/rescue units. As a result, oversized fire vehicles are separated | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION BEALE AIR FORCE BASE, CALIFORNIA | | |
| 4. PROJECT TITLE FLIGHTLINE FIRE STATION | 5. PROJECT NUMBER BAEY911005R2 | |
| <p>from the main station.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The existing structures will continue to deteriorate and result in undesirable and unsafe conditions, endangering both personnel and equipment. Large crash/rescue units will continue to be unable to use the vehicle stalls in the Crash Station. Flightline and structural response times will be unable to meet fire response time-distance criteria.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in the Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project was conducted comparing the alternatives of status quo operations and new construction. Status quo is not a viable alternative because the locations of two of the existing stations do not meet time-distance criteria outlined in AFI 32-2001. Thus, new construction is the only alternative that will meet operational requirements. Base Civil Engineer: Lt Col Kevin Rumsey Phone: 916-634-2942. Flightline Fire Station 3,400 SM = 36,580 SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | |
| AIR FORCE | | | |
| 3. INSTALLATION AND LOCATION | | | |
| BEALE AIR FORCE BASE, CALIFORNIA | | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER | |
| FLIGHTLINE FIRE STATION | | BAEY911005R2 | |
| 12. SUPPLEMENTAL DATA: | | | |
| a. Estimated Design Data: | | | |
| (1) Status: | | | |
| (a) Date Design Started | | 98 AUG 31 | |
| (b) Parametric Cost Estimates used to develop costs | | Y | |
| * (c) Percent Complete as of Jan 1999 | | 15% | |
| * (d) Date 35% Designed. | | 99 JAN 15 | |
| (e) Date Design Complete | | 99 SEP 15 | |
| (f) Energy Study/Life-Cycle analysis was/will be performed | | Y | |
| (2) Basis: | | | |
| (a) Standard or Definitive Design - | | NO | |
| (b) Where Design Was Most Recently Used - | | N/A | |
| (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) | | | |
| (a) Production of Plans and Specifications | | 534 | |
| (b) All Other Design Costs | | 267 | |
| (c) Total | | 801 | |
| (d) Contract | | 668 | |
| (e) In-house | | 133 | |
| (4) Construction Start | | 00 JAN | |
| (5) Construction Completion | | 01 JUL | |
| * Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability. | | | |
| b. Equipment associated with this project will be provided from other appropriations: | | | |
| EQUIPMENT NOMENCLATURE | PROCURING APPROPRIATION | FISCAL YEAR APPROPRIATED OR REQUESTED | COST (\$000) |
| FURNISHINGS | 3400 | 2000 | 250 |

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|---|---|-----------|------|---------|----------|---------------------------------------|--------|-----------|-------------------------------------|---------|-------|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | 2. DATE | |
| 3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA | | | | | | 4. COMMAND AIR MOBILITY COMMAND | | | 5. AREA CONST COST INDEX 1.23 | | |
| 6. PERSONNEL STRENGTH | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | TOTAL |
| | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | |
| a. As of 30 SEP 98 | | 1242 | 5690 | 1530 | 4 | | | 13 | 187 | 211 | 8,877 |
| b. End FY 2005 | | 1251 | 5701 | 1448 | | | | 13 | 187 | 211 | 8,811 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (6,383) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) | | | | | | | | | | 660,745 | |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | 0 | |
| d. Authorization Requested In This Program: | | | | | | | | | | 7,500 | |
| e. Authorization Included In Following Program: (FY 2001) | | | | | | | | | | 0 | |
| f. Planned In Next Four Program Years: | | | | | | | | | | 13,924 | |
| g. Remaining Deficiency: | | | | | | | | | | 113,800 | |
| h. Grand Total: | | | | | | | | | | 795,969 | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | | | | | COST | | DESIGN | | STATUS | |
| CODE | PROJECT TITLE | SCOPE | | (\$000) | | START | CMPL | | | | |
| 740-674 | ADD TO PHYSICAL FITNESS CENTER | 3,075 SM | | 7,500 | | AUG 98 | SEP 99 | | | | |
| | | | | TOTAL: | | 7,500 | | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) NONE | | | | | | | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 141-786 | CENTRAL DEPLOYMENT CENTER | 10,800 SM | | 10,224 | | | | | | | |
| 171-158 | BAND CENTER | 2,300 SM | | 3,700 | | | | | | | |
| 10. Mission or Major Functions: Headquarters Fifteenth Air Force; an air mobility wing with two C-5, and two KC-10 air refueling squadrons; an Air Force Reserve associate air mobility wing; and David Grant medical center. | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | 0 | |
| b. Water pollution: | | | | | | | | | | 0 | |
| c. Occupational safety and health: | | | | | | | | | | 0 | |
| d. Other Environmental: | | | | | | | | | | 0 | |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | 23,944 | |

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|---|--|--------------------------------|-------------------------|--------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | | 2. DATE |
| AIR FORCE | (computer generated) | | | |
| 3. INSTALLATION AND LOCATION | | 4. PROJECT TITLE | | |
| TRAVIS AIR FORCE BASE, CALIFORNIA | | ADD TO PHYSICAL FITNESS CENTER | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | |
| 4.18.96 | 740-674 | XDAT953015 | AUTH: | 7,500 |
| | | | APPROP: | 1,754 |
| 9. COST ESTIMATES | | | | |
| ITEM | U/M | QUANTITY | UNIT COST | COST (\$000) |
| ADD TO PHYSICAL FITNESS CENTER | SM | 3,075 | 1,582 | 4,865 |
| SUPPORTING FACILITIES | | | | 1,832 |
| UTILITIES | LS | | | (283) |
| PAVEMENTS | LS | | | (146) |
| SITE IMPROVEMENTS | LS | | | (401) |
| DEMOLITION/ASBESTOS | SM | 3,028 | 253 | (766) |
| SEISMIC | LS | | | (236) |
| SUBTOTAL | | | | 6,697 |
| CONTINGENCY (5%) | | | | 335 |
| TOTAL CONTRACT COST | | | | 7,032 |
| SUPERVISION, INSPECTION AND OVERHEAD (6%) | | | | 422 |
| TOTAL REQUEST | | | | 7,454 |
| TOTAL REQUEST (ROUNDED) | | | | 7,500 |
| 10. Description of Proposed Construction: Reinforced concrete slab and foundation, masonry walls, structural steel framing, sloped roof, fire protection, and necessary support. Includes space for weight lifting, ergometric training, men's and women's locker rooms/showers/latrines, outdoor 25 meter lap pool, and multi-purpose exercise training areas. Demolish one facility (3,028 SM). Air Conditioning: 264 KW. | | | | |
| 11. REQUIREMENT: 9,300 SM ADEQUATE: 2,545 SM SUBSTANDARD: 3,589 SM PROJECT: Add to physical fitness center. (Current Mission) REQUIREMENT: Modern, adequately sized fitness center facilities are required to support the Air Force emphasis on mandatory fitness of all its members. Adequate physical fitness centers are an essential feature of the living and working environment of personnel on an Air Force base. Physical well-being and good morale, resulting in part from facilities providing for exercise, team, and individual sports, are essential to the development and retention of Air Force personnel. An adequate year-round-use lap pool provides an additional method of physical fitness training to military members. Adequate space is required for basketball, handball, and racquetball courts, weight lifting equipment, multi-purpose exercise rooms, locker rooms, latrines/showers, and administrative management. CURRENT SITUATION: There are three fitness centers on base. One is a modern facility but critically undersized. The other two are substandard facilities and cannot be economically upgraded. One 50-year old facility will be demolished upon completion of this project. The other substandard facility will be redesignated as a recreation center. The existing | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA | | |
| 4. PROJECT TITLE ADD TO PHYSICAL FITNESS CENTER | 5. PROJECT NUMBER XDAT953015 | |
| <p>50-year old physical fitness center cannot provide for the types of conditioning/exercise programs demanded by Air Force personnel. The facility lacks heating and air conditioning, resulting in temperatures in excess of 120 degrees during the summer. The bath, shower, and sauna facilities all have severe structural and mechanical problems that require constant maintenance and repair. Antiquated racquetball courts and other rooms currently used for conditioning are undersized and not compatible for fitness equipment and training. The aerobics area is too small for the high demand that exists at Travis AFB. The existing pool facilities are for recreation and not suited for year-round use. The cycle ergometry program, a readiness measurement of all Air Force personnel, is housed in a separate facility located a block away from the fitness center. This facility is undersized, lacks air conditioning, and does not have a functioning restroom on the floor of the testing facility. A second fitness center (4,200 SM) is programmed to satisfy the total space requirement for fitness centers at Travis AFB.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Physical conditioning will continue to be limited due to the inadequate space, adversely affecting the morale and well-being of assigned personnel. Readiness will suffer as service members will not have adequate facilities to maintain proper physical fitness.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing alternatives of new construction, addition, and status quo. Based on the net present values and benefits of the respective alternatives, an addition was found to be the most cost-effective over the life of the project. BASE CIVIL ENGINEER: Lt Col Michael Norrie, (707) 424-2948. Fitness Center: 3,075 SM = 33,100 SF This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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|--|--|---------|-------------------------|-----------|---|---|---------------------------------------|-----|--------------------------|-----------|--------------------------|-----------|--|---|-------------------------------------|----|---|-----|--|-----|----------------------------|-----|-----------|-----|--------------|-----|--------------|-----|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. PROJECT TITLE ADD TO PHYSICAL FITNESS CENTER | 5. PROJECT NUMBER XDAT953015 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>98 AUG 15</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>Y</td> </tr> <tr> <td>* (c) Percent Complete as of Jan 1999</td> <td>15%</td> </tr> <tr> <td>* (d) Date 35% Designed.</td> <td>98 DEC 22</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>99 SEP 20</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td>Y</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>450</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>225</td> </tr> <tr> <td>(c) Total</td> <td>675</td> </tr> <tr> <td>(d) Contract</td> <td>575</td> </tr> <tr> <td>(e) In-house</td> <td>100</td> </tr> </table> <p>(4) Construction Start 00 FEB</p> <p>(5) Construction Completion 01 JUN</p> <p>* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> | | | (a) Date Design Started | 98 AUG 15 | (b) Parametric Cost Estimates used to develop costs | Y | * (c) Percent Complete as of Jan 1999 | 15% | * (d) Date 35% Designed. | 98 DEC 22 | (e) Date Design Complete | 99 SEP 20 | (f) Energy Study/Life-Cycle analysis was/will be performed | Y | (a) Standard or Definitive Design - | NO | (b) Where Design Was Most Recently Used - | N/A | (a) Production of Plans and Specifications | 450 | (b) All Other Design Costs | 225 | (c) Total | 675 | (d) Contract | 575 | (e) In-house | 100 |
| (a) Date Design Started | 98 AUG 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Parametric Cost Estimates used to develop costs | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * (c) Percent Complete as of Jan 1999 | 15% | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * (d) Date 35% Designed. | 98 DEC 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) Date Design Complete | 99 SEP 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (f) Energy Study/Life-Cycle analysis was/will be performed | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Standard or Definitive Design - | NO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Where Design Was Most Recently Used - | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Production of Plans and Specifications | 450 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) All Other Design Costs | 225 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Total | 675 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (d) Contract | 575 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) In-house | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|--|---------------------------------------|-----------|------|------|---------------|--------|---------|-----------|---------------|---------------|---------|--|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM | | | | | | | | | | 2. DATE | |
| AIR FORCE | (computer generated) | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | 4. COMMAND | | | | | 5. AREA CONST | | |
| PETERSON AIR FORCE BASE, COLORADO | | | | | AIR FORCE | | | | | COST INDEX | | |
| | | | | | SPACE COMMAND | | | | | 1.04 | | |
| 6. PERSONNEL | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | | |
| STRENGTH | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL | |
| a. As of 30 SEP 98 | | 1125 | 2031 | 1578 | | | | 8 | 7 | 1 | 4,750 | |
| b. End FY 2005 | | 1098 | 2046 | 1538 | | | | 8 | 7 | 1 | 4,698 | |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | | |
| a. Total Acreage: (1,278) | | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) 228,759 | | | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: 0 | | | | | | | | | | | | |
| d. Authorization Requested In This Program: 33,000 | | | | | | | | | | | | |
| e. Authorization Included In Following Program: (FY 2001) 9,400 | | | | | | | | | | | | |
| f. Planned In Next Four Program Years: 60,650 | | | | | | | | | | | | |
| g. Remaining Deficiency: 32,262 | | | | | | | | | | | | |
| h. Grand Total: 364,071 | | | | | | | | | | | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | | |
| CATEGORY | | | | | | | COST | | DESIGN STATUS | | | |
| CODE | PROJECT TITLE | SCOPE | | | | | (\$000) | START | CMPL | | | |
| 610-284 | USSPACECOM/NORAD HEADQUARTERS | 12,340 SM | | | | | 33,000 | TURN KEY | | | | |
| | | | | | | TOTAL: | 33,000 | | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | | |
| 130-142 | FIRE/CRASH RESCUE STATION | 2,850 SM | | | | | 7,000 | TURN KEY | | | | |
| 141-456 | OPERATIONS SUPPORT FACILITY | 950 SM | | | | | 2,400 | | | | | |
| | | | | | | TOTAL: | 9,400 | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | | |
| 171-815 | ALS/NCO ACADEMY | 900 SM | | | | | 2,000 | | | | | |
| 442-758 | MISSION SUPPORT WAREHOUSE | 6,800 SM | | | | | 8,300 | | | | | |
| 442-758 | MISSION SUPPORT WAREHOUSE | 8,800 SM | | | | | 12,000 | | | | | |
| 610-243 | ALTER MISSION TRAINING FACILITY | 10,350 SM | | | | | 7,000 | | | | | |
| 610-243 | LOGISTICS SUPPORT FACILITY | 4,000 SM | | | | | 7,000 | | | | | |
| 721-312 | DORMITORY | 144 RM | | | | | 10,100 | | | | | |
| 721-312 | DORMITORY | 144 RM | | | | | 11,500 | | | | | |
| 740-674 | HEALTH AND WELLNESS CENTER | 650 SM | | | | | 1,000 | | | | | |
| 911-146 | LAND ACQUISITION | 7 HC | | | | | 1,750 | | | | | |
| 10. Mission or Major Functions: Headquarters United States Space Command; Headquarters Air Force Space Command; Headquarters North American Air Defense Command; Space and Warning Systems Center; a space wing with C-21 aircraft; the Air Force Materiel Command Space Systems Support Group; and an Air Force Reserve airlift wing with one C-130 squadron. | | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | 0 | | |
| b. Water pollution: | | | | | | | | | | 1,500 | | |
| c. Occupational safety and health: | | | | | | | | | | 0 | | |
| d. Other Environmental: | | | | | | | | | | 525 | | |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | 7,784 | | |

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|--|------------------|--|-------------------------|-------------------------------|--------------|--|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | | 2. DATE | |
| AIR FORCE | | (computer generated) | | | | |
| 3. INSTALLATION AND LOCATION | | | | 4. PROJECT TITLE | | |
| PETERSON AIR FORCE BASE, COLORADO | | | | USSPACECOM/NORAD HEADQUARTERS | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | | |
| 3.56.98 | 610-284 | TDKA993006 | AUTH. 33,000 | | | |
| | | | APPROP: 7,887 | | | |
| 9. COST ESTIMATES | | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) | |
| USSPACECOM/NORAD HEADQUARTERS | | LS | | | 22,459 | |
| SPACE OPERATIONS CENTER | | SM | 2,526 | 2,486 | (6,280) | |
| ADMINISTRATIVE | | SM | 9,814 | 1,458 | (14,309) | |
| ANTITERRORISM FORCE PROTECTION | | LS | | | (1,870) | |
| SUPPORTING FACILITIES | | | | | 7,066 | |
| UTILITIES | | LS | | | (1,790) | |
| PAVEMENTS/SITE IMPROVEMENTS | | LS | | | (2,200) | |
| DEMOLITION | | SM | 3,158 | 110 | (347) | |
| SENSITIVE COMPARTMENTED AREAS (SCIF) | | SM | 2,526 | 237 | (599) | |
| ANTITERRORISM FORCE PROTECTION | | LS | | | (2,130) | |
| SUBTOTAL | | | | | 29,525 | |
| CONTINGENCY (5%) | | | | | 1,476 | |
| TOTAL CONTRACT COST | | | | | 31,001 | |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 1,767 | |
| TOTAL REQUEST | | | | | 32,768 | |
| TOTAL REQUEST (ROUNDED) | | | | | 33,000 | |
| EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD) | | | | | (38,190) | |
| 10. Description of Proposed Construction: Two story, concrete foundation and floor slab, steel frame, and roof systems. Includes filtered power, environmental controls, TEMPEST security, sensitive compartmented information facility (SCIF), top secret storage vault, pre-wiring for voice and local area networks, elevator, force protection measures and all other necessary supports. Demolish three facilities (3,158SM). Air Conditioning: 1150 KW. | | | | | | |
| 11. REQUIREMENT: 12,340 SM ADEQUATE: 0 SUBSTANDARD: 3,158 SM PROJECT: Construct a north american aerospace defense command (NORAD)/US space command (USSPACECOM) headquarters facility. (Current Mission) REQUIREMENT: A headquarters facility to house NORAD, responsible for aerospace warning and aerospace control for North America, and USSPACECOM, a Unified Combatant Command responsible for control of all space assets and integrating space operations into all theaters. This facility directly supports the operational mission of USSPACECOM and NORAD. The facility must include the space operations center in support of the National Command Authorities and other war fighting Commanders in Chiefs (CINCs). In addition, USSPACECOM is tasked with overseeing joint-space operations in accordance with the Unified Command Plan and serves as the central clearinghouse for identifying and prioritizing joint-space requirements. Force protection measures must be included to protect this national asset from potential terrorist threats. SCIF and TEMPEST measures are needed to properly secure classified communications. CURRENT SITUATION: Since NORAD headquarters and USSPACECOM moved to Peterson AFB 13 years ago, space operations and support have grown tremendously. Consequently, the existing facility is 28% undersized. | | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION PETERSON AIR FORCE BASE, COLORADO | | |
| 4. PROJECT TITLE USSPACECOM/NORAD HEADQUARTERS | 5. PROJECT NUMBER TDKA993006 | |
| <p>Additionally, the long, narrow configuration results in a low 68% space efficiency rating. Offices are cramped and ineffectively laid out due to the basic building footprint. Numerous functions are dislocated from the main facility, resulting in inefficient operations. The existing facility has virtually no force protection because it was originally constructed as an administrative support facility. Proximity to the community center (Base Exchange and Commissary) and the main street through the base creates a significant operational and security deficiency for its current use. In addition, there is currently insufficient space for several functions on Peterson AFB necessitating the lease of 3,900 square meters of office space in Colorado Springs over eight miles away.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Growing mission areas in space control, force application and national missile defense will continue in poorly configured and sized facility. Inadequate force protection can not preclude the potential of massive interruption of command and control functions. Damage to this operational headquarters would severely reduce the support to the National Command Authorities and to the CINCs, resulting in the loss of regional space coverage during contingency operations and significantly damaging space planning and expertise.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in AFH 32-1084, "Facility Requirements." An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. Base Civil Engineer: Lt Col Larry Lawrence, (719) 556-7631. Space Operations Center: 2,526SM = 27,180SF; Administrative: 9,814SM = 105,599SF. This project is funded using advance appropriation. However, full authorization is requested in the year of intial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. This project is funded as a single facility with the FY00 Army Space Command Headquarters project (\$25M).</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| AIR FORCE | | |
| 3. INSTALLATION AND LOCATION | | |
| PETERSON AIR FORCE BASE, COLORADO | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER |
| USSPACECOM/NORAD HEADQUARTERS | | TDKA993006 |
| 12. SUPPLEMENTAL DATA: | | |
| a. Estimated Design Data: | | |
| (1) Project to be accomplished by design-build procedures | | |
| (2) Basis: | | |
| (a) Standard or Definitive Design - | | NO |
| (b) Where Design Was Most Recently Used - | | N/A |
| (3) Design Allowance | | 1650 |
| (4) Construction Start | | 00 FEB |
| (5) Construction Completion | | 02 APR |
| (6) Energy Study/Life-Cycle analysis was/will be performed | | Y |
| b. Equipment associated with this project will be provided from other appropriations: | | |
| | | FISCAL YEAR |
| EQUIPMENT | PROCURING | APPROPRIATED |
| NOMENCLATURE | APPROPRIATION | OR REQUESTED |
| | | COST |
| | | (\$000) |
| FURNISHINGS | 3400 | FY2001 |
| | | 1405 |
| FURNISHINGS | 3400 | FY2002 |
| | | 703 |
| COMMUNICATIONS/DATA | 3400 | FY2000 |
| | | 7040 |
| COMMUNICATIONS/DATA | 3400 | FY2001 |
| | | 13246 |
| COMMUNICATIONS/DATA | 3400 | FY2002 |
| | | 7111 |
| COMMUNICATIONS/DATA | 3400 | FY2000 |
| | | 3038 |
| COMMUNICATIONS/DATA | 3400 | FY2001 |
| | | 1800 |
| COMMUNICATIONS/DATA | 3400 | FY2002 |
| | | 3667 |
| UNINTERRUPTABLE POWER SUPPLY | 3080 | FY2001 |
| | | 180 |

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|--|--|---|------|---------------|----------|--------|---------------|-----------|-----|---------|-------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | 2. DATE | | | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | 4. COMMAND | | | 5. AREA CONST | | | | |
| SCHRIEVER AIR FORCE BASE, COLORADO | | | | AIR FORCE | | | COST INDEX | | | | |
| | | | | SPACE COMMAND | | | 1.09 | | | | |
| 6. PERSONNEL | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| STRENGTH | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 98 | | 718 | 1390 | 385 | | | | | | | 2,493 |
| b. End FY 2005 | | 700 | 1429 | 393 | | | | | | | 2,522 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (4,102) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) | | | | | | | | | | 260,769 | |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | 0 | |
| d. Authorization Requested In This Program: | | | | | | | | | | 9,400 | |
| e. Authorization Included In Following Program: (FY 2001) | | | | | | | | | | 8,500 | |
| f. Planned In Next Four Program Years: | | | | | | | | | | 29,300 | |
| g. Remaining Deficiency: | | | | | | | | | | 31,212 | |
| h. Grand Total: | | | | | | | | | | 339,181 | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | | | | | COST | | DESIGN | | STATUS | |
| CODE | PROJECT TITLE | SCOPE | | (\$000) | | START | Cmpl | | | | |
| 740-674 | PHYSICAL FITNESS CENTER | 1,780 SM | | 3,900 | | JUL 98 | AUG 99 | | | | |
| 831-168 | SANITARY SEWER LINE | 20,500 LM | | 5,500 | | APR 98 | AUG 99 | | | | |
| TOTAL: | | | | 9,400 | | | | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | |
| 610-243 | ADD TO OPERATIONAL SUPPORT FACILITY | 4,450 SM | | 8,500 | | | | | | | |
| TOTAL: | | | | 8,500 | | | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 131-132 | SBIRS MISSION CONTROL STATION BACKUP | 3,300 SM | | 14,100 | | | | | | | |
| 442-758 | SECURE AREA LOGISTICS COMPLEX | 6,000 SM | | 4,600 | | | | | | | |
| 740-316 | MULTI PURPOSE RECREATIONAL FACILITY/CHAPEL | 2,300 SM | | 4,000 | | | | | | | |
| 740-884 | CHILD DEVELOPMENT CENTER | 2,890 SM | | 6,600 | | | | | | | |
| 10. Mission or Major Functions: A space wing; the Space Warfare Center; the Air Force Space Battlelab; and the National Test Facility. | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | 0 | |
| b. Water pollution: | | | | | | | | | | 0 | |
| c. Occupational safety and health: | | | | | | | | | | 0 | |
| d. Other Environmental: | | | | | | | | | | 0 | |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | 9,838 | |

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|--|------------------|--|-------------------------|-----------|--------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | 2. DATE | |
| AIR FORCE | | (computer generated) | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| SCHRIEVER AIR FORCE BASE, COLORADO | | | PHYSICAL FITNESS CENTER | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 3.59.96 | 740-674 | GLEN973007 | AUTH: 3,900 | | |
| | | | APPROP: 929 | | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| PHYSICAL FITNESS CENTER | | SM | 1,780 | 1,633 | 2,907 |
| SUPPORTING FACILITIES | | | | | 592 |
| UTILITIES | | LS | | | (370) |
| PAVEMENTS | | LS | | | (148) |
| SITE IMPROVEMENTS | | LS | | | (50) |
| COMMUNICATION DUCTS | | LS | | | (24) |
| SUBTOTAL | | | | | 3,499 |
| CONTINGENCY (5%) | | | | | 175 |
| TOTAL CONTRACT COST | | | | | 3,674 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 209 |
| TOTAL REQUEST | | | | | 3,883 |
| TOTAL REQUEST (ROUNDED) | | | | | 3,900 |
| 10. Description of Proposed Construction: Reinforced concrete foundation, Steel frame support with masonry brick exterior, and roof. Functional areas include space for lockers/showers, fitness equipment, general purpose, laundry, weights, racquetball courts, basketball court, aerobic room, and administrative areas. Install HVAC, fire protection, utilities, parking, and site improvements. Air Conditioning: 100 KW. | | | | | |
| 11. REQUIREMENT: 2,447 SM ADEQUATE: 667 SM SUBSTANDARD: 0 PROJECT: Construct a physical fitness center. (Current Mission) REQUIREMENT: Adequate facilities to conduct comprehensive and balanced programs for physical fitness are required at this remote base. Programs to be supported include aerobic, health, and nutritional training and recreational athletic programs. CURRENT SITUATION: The existing facility was built to support a small Air Station. Although there have been Minor Construction projects and a Base Realignment and Closure project to increase the size, the existing facility still does not adequately support the increasing base population of approximately 3000 personnel. The weight room is too small and the locker rooms are too crowded. There are only 2 racquetball courts. No space is available for education on exercise, health, and nutrition and there is no room for aerobics classes. With 24-hour, 7-day operations, personnel need an adequate facility on site for physical conditioning and quality of life. IMPACT IF NOT PROVIDED: The physical conditioning environment will continue to be overcrowded and unsafe. Personnel will choose not to workout to avoid the frustration. Proper training and conditioning of | | | | | |

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|---|--|---------|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION SCHRIEVER AIR FORCE BASE, COLORADO | | |
| 4. PROJECT TITLE PHYSICAL FITNESS CENTER | 5. PROJECT NUMBER GLEN973007 | |
| <p>military personnel will not be met. Because of the lack of nearby fitness centers, personnel lose significant time in trying to use alternatives.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. Base Civil Engineer: Lt Col Steve Lillemon, (719) 567-4200. Physical Fitness Center: 1,780SM = 19,153SF. This project is funded using advance appropriation. However, full authorization is requested in the year of intial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| AIR FORCE | | |
| 3. INSTALLATION AND LOCATION | | |
| SCHRIEVER AIR FORCE BASE, COLORADO | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER |
| PHYSICAL FITNESS CENTER | | GLEN973007 |
| 12. SUPPLEMENTAL DATA: | | |
| a. Estimated Design Data: | | |
| (1) Status: | | |
| (a) Date Design Started | | 98 JUL 15 |
| (b) Parametric Cost Estimates used to develop costs | | Y |
| * (c) Percent Complete as of Jan 1999 | | 15% |
| * (d) Date 35% Designed. | | 98 DEC 15 |
| (e) Date Design Complete | | 99 AUG 20 |
| (f) Energy Study/Life-Cycle analysis was/will be performed | | Y |
| (2) Basis: | | |
| (a) Standard or Definitive Design - | | NO |
| (b) Where Design Was Most Recently Used - | | N/A |
| (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) | | |
| (a) Production of Plans and Specifications | | 234 |
| (b) All Other Design Costs | | 117 |
| (c) Total | | 351 |
| (d) Contract | | 311 |
| (e) In-house | | 40 |
| (4) Construction Start | | 99 DEC |
| (5) Construction Completion | | 00 DEC |
| * Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability. | | |
| b. Equipment associated with this project will be provided from other appropriations: N/A | | |

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|--|--|---------------------|-------------------------|--------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE |
| AIR FORCE | | | | |
| 3. INSTALLATION AND LOCATION | | 4. PROJECT TITLE | | |
| SCHRIEVER AIR FORCE BASE, COLORADO | | SANITARY SEWER LINE | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | |
| 3.58.56 | 831-168 | GLEN973006A | AUTH: | 5,500 |
| | | | APPROP: | 1,296 |
| 9. COST ESTIMATES | | | | |
| ITEM | U/M | QUANTITY | UNIT COST | COST (\$000) |
| SANITARY SEWER LINE | LM | 20,500 | 150 | 3,075 |
| SUPPORTING FACILITIES | | | | 1,844 |
| PUMP/LIFT STATIONS | EA | 5 | 155,000 | (775) |
| EMERGENCY GENERATORS | EA | 5 | 158,000 | (790) |
| DEMOLITION/SITE IMPROVEMENTS | LS | | | (279) |
| SUBTOTAL | | | | 4,919 |
| CONTINGENCY (5%) | | | | 246 |
| TOTAL CONTRACT COST | | | | 5,165 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | 294 |
| TOTAL REQUEST | | | | 5,459 |
| TOTAL REQUEST (ROUNDED) | | | | 5,500 |
| 10. Description of Proposed Construction: Install a pipeline to a regional wastewater treatment system. Install gravity line, forcemain, pipe bedding, manholes, drywell/wetwell lift stations, emergency generators and electrical distribution lines. Project includes demolition of the existing wastewater treatment plant and all other necessary support. | | | | |
| 11. REQUIREMENT: As required. <u>PROJECT</u> : Construct a sanitary sewer line. (current mission) <u>REQUIREMENT</u> : This is a level I environmental compliance project. Falcon AFB is out of compliance with the Clean Water Act, Section 402 (33 USC 1342), because its wastewater treatment plant is unable to meet total dissolved solids and nitrates limits. The project will replace the current plant with a pipeline to a regional wastewater treatment system, to meet Federal, State and DOD standards for wastewater discharge. This will eliminate the current noncompliance status. <u>CURRENT SITUATION</u> : Falcon AFB wastewater treatment is currently accomplished on-base by an aerated lagoon system with follow-on percolation through four rapid infiltration basins which ultimately discharge to groundwater. The National Pollutant Discharge Elimination System (NPDES) permit, issued by the Environmental Protection Agency (EPA) Region 8 expired Sep 97. Falcon AFB has applied to EPA for renewal. The Colorado Department of Public Health and the Environment (CDPHE) has imposed a requirement for Falcon AFB to apply for a groundwater discharge permit in conjunction with the EPA NPDES permit. The current wastewater treatment plant (WWTP), as designed and operated, cannot meet state imposed limits for groundwater discharge, nor has it been able to meet federally imposed surface discharge limits. The existing WWTP | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION SCHRIEVER AIR FORCE BASE, COLORADO | | |
| 4. PROJECT TITLE SANITARY SEWER LINE | 5. PROJECT NUMBER GLEN973006A | |
| <p>consistently exceeds criteria for surface discharge in five day biochemical oxygen demand (BOD) and total suspended solids (TSS). Additionally, groundwater monitoring at the rapid infiltration basins indicated Falcon AFB has exceeded limits for nitrates and total dissolved solids since March 1995. Closure of this facility will effectively prevent the use of the only wastewater treatment system available to Falcon AFB.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Without this work, Falcon will continue to be in noncompliance with permit requirements for groundwater discharge and surface discharge required by The Clean Water Act of 1982, and Colorado's "Basic Standards for Groundwater." This will result in a Notice of Violation (NOV) of Federal and State regulations with fines and penalties up to \$25,000 per day per violation. With the increased demands associated with the expansion of operations and services at Falcon AFB in the near future, a new pipeline is required to provide proper wastewater treatment required by the growing mission of Falcon AFB.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in the Air Force Handbook 32-1084, "Facility Requirements." All known alternative options were considered during the development of this project. No other options could meet the mission requirements; therefore, no economical analysis was needed or performed. A certificate of exception has been prepared. Base Civil Engineer: Lt Col Steve Lillemon, (719) 567-4200. Sanitary Sewer Line: 20,500LM = 67,240LF. This project is funded using advance appropriation. However, full authorization is requested in the year of intial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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|--|--|---------|-------------------------|-----------|---|---|---------------------------------------|-----|--------------------------|-----------|--------------------------|-----------|--|----|-------------------------------------|----|---|-----|--|-----|----------------------------|-----|-----------|-----|--------------|-----|--------------|----|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION SCHRIEVER AIR FORCE BASE, COLORADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. PROJECT TITLE SANITARY SEWER LINE | 5. PROJECT NUMBER GLEN973006A | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>98 APR 07</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>Y</td> </tr> <tr> <td>* (c) Percent Complete as of Jan 1999</td> <td>35%</td> </tr> <tr> <td>* (d) Date 35% Designed.</td> <td>98 DEC 20</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>99 AUG 20</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td>NA</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>330</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>165</td> </tr> <tr> <td>(c) Total</td> <td>495</td> </tr> <tr> <td>(d) Contract</td> <td>425</td> </tr> <tr> <td>(e) In-house</td> <td>70</td> </tr> </table> <p>(4) Construction Start 99 DEC</p> <p>(5) Construction Completion 00 SEP</p> <p>* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> | | | (a) Date Design Started | 98 APR 07 | (b) Parametric Cost Estimates used to develop costs | Y | * (c) Percent Complete as of Jan 1999 | 35% | * (d) Date 35% Designed. | 98 DEC 20 | (e) Date Design Complete | 99 AUG 20 | (f) Energy Study/Life-Cycle analysis was/will be performed | NA | (a) Standard or Definitive Design - | NO | (b) Where Design Was Most Recently Used - | N/A | (a) Production of Plans and Specifications | 330 | (b) All Other Design Costs | 165 | (c) Total | 495 | (d) Contract | 425 | (e) In-house | 70 |
| (a) Date Design Started | 98 APR 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Parametric Cost Estimates used to develop costs | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * (c) Percent Complete as of Jan 1999 | 35% | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * (d) Date 35% Designed. | 98 DEC 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) Date Design Complete | 99 AUG 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (f) Energy Study/Life-Cycle analysis was/will be performed | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Standard or Definitive Design - | NO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Where Design Was Most Recently Used - | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Production of Plans and Specifications | 330 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) All Other Design Costs | 165 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Total | 495 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (d) Contract | 425 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) In-house | 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|---|--|---|------|-----------|------------------------------------|--------------|-----|--------------------------|------|-------------|-------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | 2. DATE | | | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | 4. COMMAND | | | 5. AREA CONST COST INDEX | | | |
| UNITED STATES AIR FORCE ACADEMY, COLORADO | | | | | UNITED STATES AIR FORCE ACADEMY | | | 1.04 | | | |
| 6. PERSONNEL STRENGTH | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | TOTAL |
| | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | |
| a. As of 30 SEP 98 | | 999 | 1036 | 1938 | | 182 | | 21 | 4000 | 190 | 8,366 |
| b. End FY 2005 | | 954 | 1057 | 1938 | | 182 | | 21 | 4000 | 190 | 8,342 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (53,276) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) 426,428 | | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: 0 | | | | | | | | | | | |
| d. Authorization Requested In This Program: 17,500 | | | | | | | | | | | |
| e. Authorization Included In Following Program: (FY 2001) 19,500 | | | | | | | | | | | |
| f. Planned In Next Four Program Years: 25,439 | | | | | | | | | | | |
| g. Remaining Deficiency: 36,490 | | | | | | | | | | | |
| h. Grand Total: 525,357 | | | | | | | | | | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | PROJECT TITLE | | SCOPE | | COST (\$000) | | DESIGN STATUS | | | |
| <u>CODE</u> | | | | | | | | <u>START</u> | | <u>CMPL</u> | |
| 171-853 | | UPGRADE ACADEMIC FACILITY | | 13,000 SM | | 17,500 | | APR 98 | | SEP 99 | |
| | | | | TOTAL: | | 17,500 | | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | |
| 740-673 | | ADD TO AND ALTER ATHLETIC FACILITIES | | 11,660 SM | | 19,500 | | | | | |
| | | | | TOTAL: | | 19,500 | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 171-853 | | UPGRADE ACADEMIC FACILITY | | 23,700 SM | | 11,217 | | | | | |
| 171-853 | | UPGRADE ACADEMIC FACILITY | | | | LS 6,131 | | | | | |
| 821-117 | | REPLACE FACILITIES HEATING SYSTEM | | 19 EA | | 8,091 | | | | | |
| 10. Mission or Major Functions: Responsible for providing education and training for cadets to become Air Force officers with three flying training squadrons supporting T-41/T-3, and glider aircraft; and an air base wing. | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | 0 | |
| b. Water pollution: | | | | | | | | | | 0 | |
| c. Occupational safety and health: | | | | | | | | | | 0 | |
| d. Other Environmental: | | | | | | | | | | 0 | |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | 99,619 | |

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|---|------------------|--|---------------------------|-----------|--------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE | |
| AIR FORCE | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| UNITED STATES AIR FORCE ACADEMY, COLORADO | | | UPGRADE ACADEMIC FACILITY | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 8.58.96 | 171-853 | XQPZ940111 | AUTH: | 17,500 | |
| | | | APPROP: | 4,056 | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| UPGRADE ACADEMIC FACILITY | | SM | 13,000 | 627 | 8,151 |
| SUPPORTING FACILITIES | | | | | 6,689 |
| REPLACE ELECTRICAL SUBSTATIONS | | LS | | | (2,913) |
| FIRE PROTECTION FOR UTILITY CHASES | | LS | | | (646) |
| INTERIOR DEMOLITION | | LS | | | (780) |
| ASBESTOS REMOVAL | | LS | | | (1,600) |
| INTERIM FACILITY | | LS | | | (750) |
| SUBTOTAL | | | | | 14,840 |
| CONTINGENCY (10%) | | | | | 1,484 |
| TOTAL CONTRACT COST | | | | | 16,324 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 930 |
| TOTAL REQUEST | | | | | 17,254 |
| TOTAL REQUEST (ROUNDED) | | | | | 17,500 |
| 10. Description of Proposed Construction: Correct life-safety code deficiencies such as fire detection/protection, egress, and handicap provisions. Includes reconfiguration and repair of offices, ceilings, floors, installation of fire-rated doors, corridors, upgrade of electrical and mechanical systems, asbestos removal, cooling towers, electrical substations, interim facility, and communications wiring. Air Conditioning: 740 KW. | | | | | |
| 11. REQUIREMENT: 102,786 SM ADEQUATE: 76,088 SM SUBSTANDARD: 26,698 SM PROJECT: Upgrade academic facility. (Current Mission) REQUIREMENT: Upgrade the sixth floor of Fairchild Hall (Bldg 2354), the Academy's primary academic facility. Reconfigure the existing layout to correct life-safety issues. Construct proper fire protected corridors, utility chases, and smoke barriers to provide a safe academic environment. Install a modern fire protection system to suppress fires and provide occupants ample notification to escape in the event of a fire. Modify environmental systems to comply with health, safety, and building codes. Modify existing spaces to provide handicap access. Replace worn-out central electrical and mechanical equipment with modern equipment sized to meet current loads. An interim facility will be required to house personnel during renovation of this facility. CURRENT SITUATION: The sixth floor of Fairchild Hall does not meet current life-safety, building code, DoD, and Air Force facilities standards. The floor does not have fire protected corridors, fire rated doors, or sufficient emergency lighting for safe egress during power outages. The existing layout is very confusing for both visitors and occupants. If smoke filled the area as a result of a fire, it would be | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION UNITED STATES AIR FORCE ACADEMY, COLORADO | | |
| 4. PROJECT TITLE UPGRADE ACADEMIC FACILITY | 5. PROJECT NUMBER XQPZ940111 | |
| <p>very difficult for all people to find their way out of the building. This area has received limited upgrades since originally constructed in 1958.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Environmental, safety, and building code discrepancies will continue to jeopardize the safety of the occupants. The ability to provide academic support will continue to be impaired.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction, leasing) was done. It indicates that renovation is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. Base Civil Engineer: Col Susanne Waylett, (719)333-2660. Academic Facility: 13,000SM = 139,880SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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|---|--|---------|-------------------------|-----------|---|---|---------------------------------------|-----|--------------------------|-----------|--------------------------|-----------|--|---|-------------------------------------|----|---|-----|--|------|----------------------------|-----|-----------|------|--------------|------|--------------|-----|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION UNITED STATES AIR FORCE ACADEMY, COLORADO | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. PROJECT TITLE UPGRADE ACADEMIC FACILITY | 5. PROJECT NUMBER XQPZ940111 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>98 APR 08</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>Y</td> </tr> <tr> <td>* (c) Percent Complete as of Jan 1999</td> <td>15%</td> </tr> <tr> <td>* (d) Date 35% Designed.</td> <td>98 DEC 20</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>99 SEP 10</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td>Y</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>1050</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>525</td> </tr> <tr> <td>(c) Total</td> <td>1575</td> </tr> <tr> <td>(d) Contract</td> <td>1313</td> </tr> <tr> <td>(e) In-house</td> <td>262</td> </tr> </table> <p>(4) Construction Start 99 DEC</p> <p>(5) Construction Completion 02 MAR</p> <p>* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> | | | (a) Date Design Started | 98 APR 08 | (b) Parametric Cost Estimates used to develop costs | Y | * (c) Percent Complete as of Jan 1999 | 15% | * (d) Date 35% Designed. | 98 DEC 20 | (e) Date Design Complete | 99 SEP 10 | (f) Energy Study/Life-Cycle analysis was/will be performed | Y | (a) Standard or Definitive Design - | NO | (b) Where Design Was Most Recently Used - | N/A | (a) Production of Plans and Specifications | 1050 | (b) All Other Design Costs | 525 | (c) Total | 1575 | (d) Contract | 1313 | (e) In-house | 262 |
| (a) Date Design Started | 98 APR 08 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Parametric Cost Estimates used to develop costs | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * (c) Percent Complete as of Jan 1999 | 15% | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * (d) Date 35% Designed. | 98 DEC 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) Date Design Complete | 99 SEP 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (f) Energy Study/Life-Cycle analysis was/will be performed | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Standard or Definitive Design - | NO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Where Design Was Most Recently Used - | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Production of Plans and Specifications | 1050 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) All Other Design Costs | 525 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Total | 1575 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (d) Contract | 1313 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) In-house | 262 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|--|--|------|-----------|-----|-----------|--------------------------------------|--------|--------|--------------------------|---------|--|--|
| 1. COMPONENT | | | | | | | | | | 2. DATE | | |
| AIR FORCE | | | | | | | | | | | | |
| FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | | 4. COMMAND | | | 5. AREA CONST COST INDEX | | | |
| EGLIN AUXILIARY FIELD NO 9, FLORIDA | | | | | | AIR FORCE SPECIAL OPERATIONS COMMAND | | | 0.86 | | | |
| 6. PERSONNEL STRENGTH | | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL | | |
| a. As of 30 SEP 98 | 1141 | 6002 | 533 | | 20 | | 617 | 549 | 73 | 8,935 | | |
| b. End FY 2005 | 1161 | 6057 | 522 | | 22 | | 617 | 549 | 73 | 9,001 | | |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | | |
| a. Total Acreage: (6,634) | | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) | | | | | | | | | | 190,548 | | |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | 0 | | |
| d. Authorization Requested In This Program: | | | | | | | | | | 18,800 | | |
| e. Authorization Included In Following Program: (FY 2001) | | | | | | | | | | 16,700 | | |
| f. Planned In Next Four Program Years: | | | | | | | | | | 38,047 | | |
| g. Remaining Deficiency: | | | | | | | | | | 0 | | |
| h. Grand Total: | | | | | | | | | | 264,095 | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | | |
| CATEGORY | | | | | | COST | | DESIGN | | STATUS | | |
| CODE | PROJECT TITLE | | | | SCOPE | (\$000) | START | CMPL | | | | |
| 111-111 | REPAIR RUNWAY/TAXIWAY | | | | 11,100 SM | 9,700 | APR 98 | JUN 99 | | | | |
| 721-312 | DORMITORY | | | | 144 RM | 9,100 | APR 98 | JUL 99 | | | | |
| | | | | | | TOTAL: | 18,800 | | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | | |
| 721-312 | DORMITORY | | | | 144 RM | 8,400 | | | | | | |
| 851-147 | UPGRADE ACCESS ROADS | | | | LS | 8,300 | | | | | | |
| | | | | | | TOTAL: | 16,700 | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | | |
| 130-835 | ADD TO SECURITY POLICE OPS | | | | 375 SM | 1,350 | | | | | | |
| 131-111 | ADD/ALTER BASE NETWORK CONTROL CENTER (BNCC) COMPLEX | | | | 1,850 SM | 3,369 | | | | | | |
| 171-618 | RED HORSE MOBILITY TRAINING FACILITY (823 RH) | | | | 1,000 SM | 2,000 | | | | | | |
| 214-425 | RED HORSE VEHICLE MAINTENANCE FACILITY (823 RH) | | | | 1,850 SM | 5,500 | | | | | | |
| 219-946 | RED HORSE MOBILITY WAREHOUSE (823 RHS) | | | | 1,180 SM | 1,500 | | | | | | |
| 721-312 | DORMITORY | | | | 144 RM | 8,600 | | | | | | |
| 721-312 | DORMITORY | | | | 120 RM | 7,700 | | | | | | |
| 730-142 | FIRE STATION | | | | 1,700 SM | 2,758 | | | | | | |
| 832-266 | RAPID RATE WASTEWATER DISPOSAL SYSTEM | | | | LS | 1,191 | | | | | | |
| 842-245 | IMPROVE WATER SYSTEM | | | | LS | 1,500 | | | | | | |
| 851-147 | REALIGN ROADS | | | | LS | 2,579 | | | | | | |
| 10. Mission or Major Functions: Headquarters Air Force Special Operations Command; a special operations wing with AC-130/MC-130/MH-53/MH-60/UH-1 special operations squadrons; Air Force Special Operations School; a special tactics group; Air Combat Command's command and control evaluation group; a RED HORSE squadron; Air Force Combat Weather Center; and the Joint Warfare Center. | | | | | | | | | | | | |

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|---|--|---|-----|-----|--------------------------------------|-----|-----|--------------------------|---------|-----|-------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | 2. DATE | | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | 4. COMMAND | | | 5. AREA CONST COST INDEX | | | |
| EGLIN AUXILIARY FIELD NO 9, FLORIDA | | | | | AIR FORCE SPECIAL OPERATIONS COMMAND | | | 0.86 | | | |
| 6. PERSONNEL STRENGTH | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | TOTAL |
| | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | |
| a. As of | | | | | | | | | | | |
| b. End FY | | | | | | | | | | | |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: | | | | | | | | | | | |
| b. Inventory Total As Of: | | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | | |
| d. Authorization Requested In This Program: | | | | | | | | | | | |
| e. Authorization Included In Following Program: | | | | | | | | | | | |
| f. Planned In Next Four Program Years: | | | | | | | | | | | |
| g. Remaining Deficiency: | | | | | | | | | | | |
| h. Grand Total: | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | 0 | |
| b. Water pollution: | | | | | | | | | | 0 | |
| c. Occupational safety and health: | | | | | | | | | | 0 | |
| d. Other Environmental: | | | | | | | | | | 0 | |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | 51,154 | | | |

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|--|--|---------------------------------|---|-----------|--------------|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE | |
| 3. INSTALLATION AND LOCATION EGLIN AUX FIELD 9, FLORIDA | | 4. PROJECT TITLE DORMITORY | | | |
| 5. PROGRAM ELEMENT 2.75.96 | 6. CATEGORY CODE 721-312 | 7. PROJECT NUMBER FTEV983015 | 8. PROJECT COST (\$000) AUTH: 9,100 APPROP: 2,161 | | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| DORMITORY (144 RM) | | SM | 4,750 | 1,300 | 6,175 |
| SUPPORTING FACILITIES | | | | | 1,986 |
| UTILITIES | | LS | | | (1,125) |
| PAVEMENTS | | LS | | | (511) |
| SITE IMPROVEMENTS | | LS | | | (350) |
| SUBTOTAL | | | | | 8,161 |
| CONTINGENCY (5%) | | | | | 408 |
| TOTAL CONTRACT COST | | | | | 8,569 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 488 |
| TOTAL REQUEST | | | | | 9,057 |
| TOTAL REQUEST (ROUNDED) | | | | | 9,100 |
| 10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, masonry walls and sloping metal roof. Includes room-bath/kitchen-room modules, laundries, storage and lounge areas, utilities, a new electrical feeder to the area, parking and all other supporting facilities. Air Conditioning: 360 KW. Grade Mix: 144 E1-E4. | | | | | |
| 11. REQUIREMENT: 1,607 RM ADEQUATE: 969 RM SUBSTANDARD: 0 PROJECT: Construct a dormitory. (Current Mission) REQUIREMENT: A major Air Force objective provides unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs AF personnel must perform. This project is in accordance with the Air Force Dormitory Master Plan. CURRENT SITUATION: The base has insufficient facilities to accommodate the unaccompanied enlisted personnel housing requirement. With the growth in manpower for the 16 Special Operations Wing buildup, the shortfall will get worse. There are no existing facilities on base that could be converted or improved to the new room-bath-room standard. IMPACT IF NOT PROVIDED: Substandard living conditions will persist degrading morale, productivity, and career satisfaction for unaccompanied enlisted personnel. Personnel will have to live off base in substandard quarters since off-base rental rates exceed Basic Allowance for Housing (BAH) in this tourist area. ADDITIONAL: This project meets the criteria/scope specified in the new | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION EGLIN AUX FIELD 9, FLORIDA | | |
| 4. PROJECT TITLE DORMITORY | 5. PROJECT NUMBER FTEV983015 | |
| <p>barracks standard, known as "one-plus-one" established by OSD. All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. FY 1997 Unaccompanied Housing RPM Conducted: \$508K; FY 1998 Unaccompanied Housing RPM Conducted: \$225K. Future Unaccompanied Housing RPM requirements (Estimated): FY99: \$250K; FY00: \$280K; FY01: \$300K; FY02: \$310K; FY03: \$320K. BASE CIVIL ENGINEER: Lt Col Nelson, 904-884-3799. DORMITORY: 4,750SM = 51,110SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| AIR FORCE | | |
| 3. INSTALLATION AND LOCATION | | |
| EGLIN AUX FIELD 9, FLORIDA | | |
| 4. PROJECT TITLE | 5. PROJECT NUMBER | |
| DORMITORY | FTEV983015 | |
| 12. SUPPLEMENTAL DATA: | | |
| a. Estimated Design Data: | | |
| (1) Status: | | |
| (a) Date Design Started | | 98 APR 02 |
| (b) Parametric Cost Estimates used to develop costs | | Y |
| * (c) Percent Complete as of Jan 1999 | | 15% |
| * (d) Date 35% Designed. | | 98 DEC 31 |
| (e) Date Design Complete | | 99 JUL 01 |
| (f) Energy Study/Life-Cycle analysis was/will be performed | | Y |
| (2) Basis: | | |
| (a) Standard or Definitive Design - | | YES |
| (b) Where Design Was Most Recently Used - | | EGLIN 9 |
| (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) | | |
| (a) Production of Plans and Specifications | | 382 |
| (b) All Other Design Costs | | 164 |
| (c) Total | | 546 |
| (d) Contract | | 420 |
| (e) In-house | | 126 |
| (4) Construction Start | | 99 DEC |
| (5) Construction Completion | | 01 JUN |
| * Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability. | | |
| b. Equipment associated with this project will be provided from other appropriations: N/A | | |

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|--|--|-----------------------|-------------------------|--------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | | 2. DATE |
| AIR FORCE | (computer generated) | | | |
| 3. INSTALLATION AND LOCATION | | 4. PROJECT TITLE | | |
| EGLIN AUX FIELD 9, FLORIDA | | REPAIR RUNWAY/TAXIWAY | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | |
| 2.75.96 | 111-111 | FTEV003006 | AUTH: | 9,700 |
| | | | APPROP: | 2,269 |
| 9. COST ESTIMATES | | | | |
| ITEM | U/M | QUANTITY | UNIT COST | COST (\$000) |
| REPAIR RUNWAY/TAXIWAY | | | | 7,166 |
| RUNWAY (ASPHALT) | SM | 106,650 | 40 | (4,266) |
| RUNWAY (CONCRETE) | SM | 6,750 | 63 | (425) |
| TAXIWAY (ASPHALT) | SM | 4,725 | 26 | (123) |
| TAXIWAY (CONCRETE) | SM | 27,675 | 85 | (2,352) |
| SUPPORTING FACILITIES | | | | 1,136 |
| DEMOLITION | SM | 145,833 | 6 | (875) |
| UTILITY SLEEVES | LM | 1,776 | 147 | (261) |
| SUBTOTAL | | | | 8,302 |
| CONTINGENCY (10%) | | | | 830 |
| TOTAL CONTRACT COST | | | | 9,132 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | 521 |
| TOTAL REQUEST | | | | 9,653 |
| TOTAL REQUEST (ROUNDED) | | | | 9,700 |
| 10. Description of Proposed Construction: Remove existing substandard flexible and rigid pavement and replace with new medium load rigid pavement. Replace the entire asphalt portion of runway 18/36, runway 36 concrete touchdown zone, taxiway B and the asphalt portion of the parallel taxiway (Taxiway G). Install utility sleeves under taxiways. | | | | |
| 11. REQUIREMENT: 144,800 SM ADEQUATE: 0 SUBSTANDARD: 144,800 SM PROJECT: Repair runway/taxiways. (Current Mission) REQUIREMENT: The primary runway and taxiways are required to support assigned C-130 aircraft and all large-frame transport aircraft in the Air Force inventory and civilian fleet critical to expedient mobility and deployment requirements of Special Operations Forces (SOF) stationed at Hurlburt Field. Pavements should be designed to support maximum aircraft weights and be free of spalls, cracks, and foreign object debris (FOD) to ensure no negative impact to flying operations. CURRENT SITUATION: Increased aircraft traffic and loads due to higher SOF operations tempo has caused accelerated pavement deterioration and failure. A May 98 pavements evaluation concluded that currently operating aircraft weights exceed maximum pavement design. The pavements were originally constructed in 1955 for A-1E aircraft. Current mission C-130 aircraft, operating at a takeoff weight of 155,000 pounds, transient C-141, C-5, and contracted civilian aircraft are exceeding designed weights by up to 30%, causing pavement failure. Taxiway "B" and the parallel taxiway show significant cracking, degradation, and FOD hazards affecting mission operations. Emergency temporary repairs have already been made to curtail the severe FOD hazards, and others repairs will be accomplished to temporarily slow pavement deterioration and failure. IMPACT IF NOT PROVIDED: Air Force pavement evaluators predict complete | | | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION EGLIN AUX FIELD 9, FLORIDA | | |
| 4. PROJECT TITLE | 5. PROJECT NUMBER | |
| REPAIR RUNWAY/TAXIWAY | FTEV003006 | |
| <p>pavement failure in two to three years if assigned and transient heavy aircraft continue to operate at current weights dictated by mission requirements. Pavement failure will force these vital SOF missions to relocate to meet operational requirements. Increased FOD hazards could result in major aircraft damage. Costly temporary emergency repairs will be needed to maintain critical SOF mobility and deployment capabilities.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Instruction (AFI) 32-1023, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was performed. Base Civil Engineer: Lt Col Doug Nelson, (904) 884-3799. RUNWAY (ASPHALT): 106,650SM = 127,980SY; RUNWAY (CONCRETE): 6,750SM = 8100SY; TAXIWAY (ASPHALT): 4,725SM = 5,670SY; TAXIWAY (CONCRETE): 27,675SM = 33,210SY. This project is funded using advance appropriation. However, full authorization is requested in the year of appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| AIR FORCE | | |
| 3. INSTALLATION AND LOCATION | | |
| EGLIN AUX FIELD 9, FLORIDA | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER |
| REPAIR RUNWAY/TAXIWAY | | FTEV003006 |
| 12. SUPPLEMENTAL DATA: | | |
| a. Estimated Design Data: | | |
| (1) Status: | | |
| (a) Date Design Started | | 98 APR 02 |
| (b) Parametric Cost Estimates used to develop costs | | Y |
| * (c) Percent Complete as of Jan 1999 | | 15% |
| * (d) Date 35% Designed. | | 98 DEC 30 |
| (e) Date Design Complete | | 99 JUN 21 |
| (f) Energy Study/Life-Cycle analysis was/will be performed | | NA |
| (2) Basis: | | |
| (a) Standard or Definitive Design - | | NO |
| (b) Where Design Was Most Recently Used - | | N/A |
| (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) | | |
| (a) Production of Plans and Specifications | | 582 |
| (b) All Other Design Costs | | 291 |
| (c) Total | | 873 |
| (d) Contract | | 715 |
| (e) In-house | | 158 |
| (4) Construction Start | | 99 DEC |
| (5) Construction Completion | | 01 JUN |
| * Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability. | | |
| b. Equipment associated with this project will be provided from other appropriations: N/A | | |

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|--|---|---|------|-------------------------------|----------|---------|-------|--------------------------|-----|---------|--------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | 2. DATE | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | 4. COMMAND | | | | 5. AREA CONST COST INDEX | | | |
| EGLIN AIR FORCE BASE, FLORIDA | | | | AIR FORCE MATERIEL COMMAND | | | | 0.86 | | | |
| 6. PERSONNEL STRENGTH | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | TOTAL |
| | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | |
| a. As of 30 SEP 98 | | 1369 | 5762 | 3323 | | | | 55 | 276 | 370 | 11,155 |
| b. End FY 2005 | | 1331 | 5672 | 3176 | | | | 55 | 276 | 370 | 10,880 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (453,581) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) 450,255 | | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: 0 | | | | | | | | | | | |
| d. Authorization Requested In This Program: 13,600 | | | | | | | | | | | |
| e. Authorization Included In Following Program: (FY 2001) 9,250 | | | | | | | | | | | |
| f. Planned In Next Four Program Years: 57,950 | | | | | | | | | | | |
| g. Remaining Deficiency: 71,800 | | | | | | | | | | | |
| h. Grand Total: 602,855 | | | | | | | | | | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | | | | | COST | | DESIGN STATUS | | | |
| CODE | PROJECT TITLE | SCOPE | | | | (\$000) | START | CMPL | | | |
| 141-753 | SQUADRON OPERATIONS FACILITY | 3,535 SM | | | | 6,600 | TURN | KEY | | | |
| 721-312 | DORMITORY | 120 RM | | | | 7,000 | TURN | KEY | | | |
| TOTAL: | | | | | | 13,600 | | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | |
| 212-213 | PRECISION GUIDED MUNITIONS MAINTENANCE FACILITY | 1,162 SM | | | | 3,450 | TURN | KEY | | | |
| 721-312 | UPGRADE DORMITORY | 72 RM | | | | 5,800 | TURN | KEY | | | |
| TOTAL: | | | | | | 9,250 | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 141-165 | EXPLOSIVE ORDNANCE DISPOSAL COMPLEX | 1,183 SM | | | | 2,200 | | | | | |
| 141-753 | F-15C SQUADRON OPERATIONS/AMU (58 FS) | 1,300 SM | | | | 4,700 | | | | | |
| 141-753 | F-15C SQUADRON OPERATIONS/AMU (60 FS) | 1,300 SM | | | | 4,650 | | | | | |
| 211-111 | ALTER TEST AIRCRAFT MAINTENANCE FACILITY | 16,300 SM | | | | 4,900 | | | | | |
| 211-152 | GENERAL PURPOSE AIRCRAFT MAINTENANCE FACILITY | 3,160 SM | | | | 3,900 | | | | | |
| 315-236 | ARMAMENT RESEARCH ENGINEERING (AMTEC) FACILITY | 3,700 SM | | | | 9,800 | | | | | |
| 721-312 | DORMITORY | 120 RM | | | | 7,100 | | | | | |
| 722-351 | DINING FACILITY | 1,895 SM | | | | 4,700 | | | | | |
| 730-441 | EDUCATION CENTER | 3,530 SM | | | | 8,300 | | | | | |
| 740-674 | PHYSICAL FITNESS CENTER | 4,645 SM | | | | 7,700 | | | | | |
| 10. Mission or Major Functions: Air Armament Center(AAC)is responsible for development, acquisition, testing, deployment and sustainment of conventional and nuclear air-delivered weapons. Operates two Air Force installations, providing host support to Eglin and Kirtland AFBs, and supports the largest single base mobility commitment in the Air Force. AAC accomplishes its mission through four components--the Armament Product Group (Eglin), 46th Test Wing (Eglin), 96th Air Base Wing (Eglin), and 377th Wing (Kirtland). | | | | | | | | | | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | 2. DATE |
| AIR FORCE | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | EGLIN AIR FORCE BASE, FLORIDA | | | 4. COMMAND | AIR FORCE MATERIEL COMMAND | | | 5. AREA CONST COST INDEX | 0.86 | |
| 6. PERSONNEL STRENGTH | PERMANENT | | | STUDENTS | | | SUPPORTED | | | TOTAL |
| | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | |
| a. As of | | | | | | | | | | |
| b. End FY | | | | | | | | | | |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | |
| a. Total Acreage: | | | | | | | | | | |
| b. Inventory Total As Of: | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | |
| d. Authorization Requested In This Program: | | | | | | | | | | |
| e. Authorization Included In Following Program: | | | | | | | | | | |
| f. Planned In Next Four Program Years: | | | | | | | | | | |
| g. Remaining Deficiency: | | | | | | | | | | |
| h. Grand Total: | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | |
| a. Air pollution: 800 | | | | | | | | | | |
| b. Water pollution: 1,200 | | | | | | | | | | |
| c. Occupational safety and health: 0 | | | | | | | | | | |
| d. Other Environmental: 600 | | | | | | | | | | |
| 12. Real Property Maintenance Backlog This Installation 11,982 | | | | | | | | | | |

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|--|--|-------------------|-------------------------------|--------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE |
| AIR FORCE | | | | |
| 3. INSTALLATION AND LOCATION | | 4. PROJECT TITLE | | |
| EGLIN AIR FORCE BASE, FLORIDA | | DORMITORY | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | |
| 7.28.06 | 721-312 | FTFA003007 | B JTH: 7,000 R:PROP: 1,635 | |
| 9. COST ESTIMATES | | | | |
| ITEM | U/M | QUANTITY | UNIT COST | COST (\$000) |
| DORMITORY (120 RM) | SM | 3,960 | 1,321 | 5,231 |
| SUPPORTING FACILITIES | | | | 1,034 |
| UTILITIES | LS | | | (550) |
| PAVEMENTS | LS | | | (340) |
| SITE IMPROVEMENTS | LS | | | (144) |
| SUBTOTAL | | | | 6,265 |
| CONTINGENCY (5%) | | | | 313 |
| TOTAL CONTRACT COST | | | | 6,578 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | 375 |
| TOTAL REQUEST | | | | 6,953 |
| TOTAL REQUEST (ROUNDED) | | | | 7,000 |
| 10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, masonry walls and roof. Includes room-bath/kitchen-room modules, laundry rooms, storage, lounge areas, site preparation, and all other supporting facilities. Air Conditioning: 300 KW. Grade Mix: 120 E1-E4. | | | | |
| 11. REQUIREMENT: 1,486 RM ADEQUATE: 534 RM SUBSTANDARD: 588 RM PROJECT: Construct a dormitory. (Current Mission) REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. This project is in accordance with the Air Force Dormitory Master Plan. CURRENT SITUATION: The base has insufficient facilities to accommodate the unaccompanied enlisted personnel housing. Local rentals and utilities are so expensive that enlisted personnel cannot afford to live off base housing. IMPACT IF NOT PROVIDED: Adequate living quarters will continue to be unavailable resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. Lowered morale will contribute to retention difficulties for the Air Force. ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks construction standard known as "one-plus-one", established by OSD. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. FY 1997 | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA | | |
| 4. PROJECT TITLE DORMITORY | 5. PROJECT NUMBER FTFA003007 | |
| <p>Unaccompanied Housing RPM conducted: \$738 K. FY 1998 Unaccompanied Housing RPM conducted: \$768K. Future Unaccompanied Housing RPM requirements (estimated): FY99: \$780K; FY00: \$810K; FY01: \$840K; FY02: \$880K; FY03: \$900K. Base Civil Engineer: Col Richard Fernandez, (850) 882-2876. Dormitory: 3,960SM = 42,610SF. This project is funded using advance appropriation. However, full authorization is requested in the year of intial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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|--|--|---------|---|--|------------|--|-------------------------------------|----|---|-----|----------------------|-----|------------------------|--------|-----------------------------|--------|--|---|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | | | | | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA | | | | | | | | | | | | | | | | | | |
| 4. PROJECT TITLE DORMITORY | 5. PROJECT NUMBER FTFA003007 | | | | | | | | | | | | | | | | | |
| <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <table border="0"> <tr> <td>(1) Project to be accomplished by design-build procedures</td> <td></td> </tr> <tr> <td>(2) Basis:</td> <td></td> </tr> <tr> <td> (a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td> (b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> <tr> <td>(3) Design Allowance</td> <td>350</td> </tr> <tr> <td>(4) Construction Start</td> <td>99 DEC</td> </tr> <tr> <td>(5) Construction Completion</td> <td>01 MAR</td> </tr> <tr> <td>(6) Energy Study/Life-Cycle analysis was/will be performed</td> <td>Y</td> </tr> </table> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> | | | (1) Project to be accomplished by design-build procedures | | (2) Basis: | | (a) Standard or Definitive Design - | NO | (b) Where Design Was Most Recently Used - | N/A | (3) Design Allowance | 350 | (4) Construction Start | 99 DEC | (5) Construction Completion | 01 MAR | (6) Energy Study/Life-Cycle analysis was/will be performed | Y |
| (1) Project to be accomplished by design-build procedures | | | | | | | | | | | | | | | | | | |
| (2) Basis: | | | | | | | | | | | | | | | | | | |
| (a) Standard or Definitive Design - | NO | | | | | | | | | | | | | | | | | |
| (b) Where Design Was Most Recently Used - | N/A | | | | | | | | | | | | | | | | | |
| (3) Design Allowance | 350 | | | | | | | | | | | | | | | | | |
| (4) Construction Start | 99 DEC | | | | | | | | | | | | | | | | | |
| (5) Construction Completion | 01 MAR | | | | | | | | | | | | | | | | | |
| (6) Energy Study/Life-Cycle analysis was/will be performed | Y | | | | | | | | | | | | | | | | | |

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|--|--|------------------------------|-------------------------|--------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE |
| AIR FORCE | | | | |
| 3. INSTALLATION AND LOCATION | | 4. PROJECT TITLE | | |
| EGLIN AIR FORCE BASE, FLORIDA | | SQUADRON OPERATIONS FACILITY | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | |
| 7.28.06 | 141-753 | FTFA963023 | AUTH: | 6,600 |
| | | | APPROP: | 1,566 |
| 9. COST ESTIMATES | | | | |
| ITEM | U/M | QUANTITY | UNIT COST | COST (\$000) |
| SQUADRON OPERATIONS FACILITY | SM | 3,535 | 1,216 | 4,299 |
| SUPPORTING FACILITIES | | | | 1,607 |
| UTILITIES | LS | | | (294) |
| PAVEMENTS | LS | | | (220) |
| SITE IMPROVEMENTS | LS | | | (140) |
| DEMOLITION | SM | 4,430 | 110 | (487) |
| ASBESTOS ABATEMENT | LS | | | (246) |
| TEMPORARY LEASED SPACE | LS | | | (220) |
| SUBTOTAL | | | | 5,906 |
| CONTINGENCY (5%) | | | | 295 |
| TOTAL CONTRACT COST | | | | 6,201 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | 353 |
| TOTAL REQUEST | | | | 6,554 |
| TOTAL REQUEST (ROUNDED) | | | | 6,600 |
| 10. Description of Proposed Construction: Two story facility with split face concrete block walls, concrete foundation and floor slab, sloped standing metal seam roof, fire protection system, utilities, elevator, and necessary support including: briefing rooms, flight/planning operations, life support, and administration areas, and secure area (vault). This project will allow demolition of one facility (4,430SM). Air Conditioning: 350 KW. | | | | |
| 11. REQUIREMENT: 3,535 SM ADEQUATE: 0 SUBSTANDARD: 4,430 SM PROJECT: Construct a squadron operations facility. (Current Mission) REQUIREMENT: A single operations facility is required to consolidate the functions of three flying test squadrons. The facility will provide adequate space for planning, briefing, critiquing, reporting on test flights, and administrative space for the commanders and staff. Consolidation of these three test squadrons into one colocated facility will result in increased mission efficiency and effectiveness. Temporary leased space will be required to house personnel during construction, because the new facility will be built at existing site. CURRENT SITUATION: Existing hangar built in 1943, houses two of the three squadrons and is in a severely deteriorated condition. There are numerous structural deficiencies, and the electrical and HVAC systems are worn and inadequate. Due to inadequate space in the facility the third test squadron is located in a separate facility. Roof leaks are common during rain storms. There is currently insufficient space in all squadrons facilities for the existing programs. IMPACT IF NOT PROVIDED: The existing facilities will require extensive renovation and would still be operationally inadequate and geographically | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA | | |
| 4. PROJECT TITLE SQUADRON OPERATIONS FACILITY | 5. PROJECT NUMBER FTFA963023 | |
| <p>separated. Flight testing will continue to be impacted and operational efficiencies will be lost due to geographical separation of the existing facilities causing poor coordination, fragmentation of the sortie generation activities, inefficient test operations and fragmentation of the operations support squadron.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in the Air Force Handbook 32-1084, "Facility Requirements." An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. Base Civil Engineer: Col Richard Fernandez, (850) 882-2876. Squadron Operations Facility: 3,535SM = 38,037SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA | | |
| 4. PROJECT TITLE SQUADRON OPERATIONS FACILITY | 5. PROJECT NUMBER FTFA963023 | |
| 12. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Project to be accomplished by design-build procedures (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Design Allowance 330 (4) Construction Start 99 DEC (5) Construction Completion 01 MAY (6) Energy Study/Life-Cycle analysis was/will be performed Y b. Equipment associated with this project will be provided from other appropriations: N/A | | |

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|--|--|---|------|-----|----------|-------------------------|-----|---------------|--------------------|---------------|-------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | 2. DATE | | | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | | 4. COMMAND | | | 5. AREA CONST | | |
| MACDILL AIR FORCE BASE, FLORIDA | | | | | | AIR MOBILITY COMMAND | | | COST INDEX 0.84 | | |
| 6. PERSONNEL | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| STRENGTH | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 98 | | 668 | 2690 | 975 | | | | 784 | 1028 | 120 | 6,265 |
| b. End FY 2005 | | 618 | 2635 | 977 | | | | 784 | 1028 | 120 | 6,162 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (5,767) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) 217,235 | | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: 0 | | | | | | | | | | | |
| d. Authorization Requested In This Program: 5,500 | | | | | | | | | | | |
| e. Authorization Included In Following Program: (FY 2001) 0 | | | | | | | | | | | |
| f. Planned In Next Four Program Years: 6,600 | | | | | | | | | | | |
| g. Remaining Deficiency: 0 | | | | | | | | | | | |
| h. Grand Total: 229,335 | | | | | | | | | | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | | | | | COST | | DESIGN STATUS | | | |
| CODE | | PROJECT TITLE | | | | SCOPE | | (\$000) | | START Cmpl | |
| 740-674 | | ADD TO AND ALTER PHYSICAL FITNESS CENTER | | | | 5,260 SM | | 5,500 | | AUG 98 SEP 99 | |
| | | | | | | TOTAL: | | 5,500 | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) NONE | | | | | | | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 214-425 | | TRANSPORTATION COMPLEX | | | | 4,350 SM | | 6,600 | | | |
| 10. Mission or Major Functions: An air refueling wing with a KC-135 squadron;tenents include US Special Operations Command and US Central Command. | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | 0 | |
| b. Water pollution: | | | | | | | | | | 0 | |
| c. Occupational safety and health: | | | | | | | | | | 0 | |
| d. Other Environmental: | | | | | | | | | | 0 | |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | 81,453 | |

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|---|--|---|-------------------------|-------------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE |
| AIR FORCE | | | | |
| 3. INSTALLATION AND LOCATION | | 4. PROJECT TITLE | | |
| MACDILL AIR FORCE BASE, FLORIDA | | ADD TO AND ALTER PHYSICAL FITNESS CENTER | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | |
| 4.18.96 | 740-674 | NVZR033700 | AUTH: | 5,500 |
| | | | APPROP: | 1,302 |
| 9. COST ESTIMATES | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST (\$000) |
| ADD/ALTER PHYSICAL FITNESS CENTER | | | | 4,501 |
| ADDITION | | SM | 2,410 | 1,235 (2,976) |
| ALTERATION | | SM | 2,850 | 535 (1,525) |
| SUPPORTING FACILITIES | | | | 445 |
| UTILITIES | | LS | | (75) |
| PAVEMENTS | | LS | | (85) |
| SITE IMPROVEMENTS | | LS | | (23) |
| DEMOLISH PARKING LOT | | SM | 2,551 | 10 (26) |
| COMM SUPPORT | | LS | | (16) |
| STRUCTURAL FILL | | LS | | (220) |
| SUBTOTAL | | | | 4,946 |
| CONTINGENCY (5%) | | | | 247 |
| TOTAL CONTRACT COST | | | | 5,193 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | 296 |
| TOTAL REQUEST | | | | 5,489 |
| TOTAL REQUEST (ROUNDED) | | | | 5,500 |
| EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD) | | | | (300) |
| 10. Description of Proposed Construction: Addition shall be concrete foundation and floor slab, masonry exterior walls, sloped standing seam metal roof. Alter existing facility by constructing overhead running track in the gym, reconfigure walls to expand exercise, fitness areas, locker and shower facilities, office space, and necessary support. Demolish parking lot (2,550 SM). Air Conditioning: 210 KW. | | | | |
| 11. REQUIREMENT: 4,785 SM ADEQUATE: 85 SM SUBSTANDARD: 2,850 SM PROJECT: Add to and alter physical fitness center. (Current Mission) REQUIREMENT: An adequately sized and properly configured facility is required for the daily training and exercise for the base population. Space is required for basketball, volleyball, racquetball, and handball courts, an indoor running track, weight room, and expanded men and women's locker and shower rooms. This project also includes space for the wellness center for a one-stop shopping approach for health, wellness, and fitness. CURRENT SITUATION: The existing physical fitness center has not been upgraded in over 20 years. The facility is too small to meet the demonstrated need for group exercise and intramural sports programs. There is no space for sauna rooms or ergometry testing. The facility is heavily used by US Special Operations Command, Joint Communications Support Element, US Central Command, as well as personnel from the 6 ARW. IMPACT IF NOT PROVIDED: Physical conditioning will continue to be limited due to lack of space, adversely affecting the morale and well-being, and retention rate of assigned military personnel. ADDITIONAL: This project meets the criteria/scope specified in Part II of | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION MACDILL AIR FORCE BASE, FLORIDA | | |
| 4. PROJECT TITLE ADD TO AND ALTER PHYSICAL FITNESS CENTER | 5. PROJECT NUMBER NVZR033700 | |
| <p>Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing alternatives of new construction, addition, and status quo operations. Based on the net present values of the respective alternatives, an addition/alteration project was found to be the most cost effective over the life of the project. BASE CIVIL ENGINEER: LTC FLOYD, (813) 828-3581. Fitness Center Addition: 2,410 SM = 25,941 SF; Fitness Center Alteration: 2,850 SM = 30,677 SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | 2. DATE |
| AIR FORCE | (computer generated) | | |
| 3. INSTALLATION AND LOCATION | | | |
| MACDILL AIR FORCE BASE, FLORIDA | | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER | |
| ADD TO AND ALTER PHYSICAL FITNESS CENTER | | NVZR033700 | |
| 12. SUPPLEMENTAL DATA: | | | |
| a. Estimated Design Data: | | | |
| (1) Status: | | | |
| (a) | Date Design Started | 98 | AUG 16 |
| (b) | Parametric Cost Estimates used to develop costs | | Y |
| * (c) | Percent Complete as of Jan 1999 | | 15% |
| * (d) | Date 35% Designed. | 98 | DEC 01 |
| (e) | Date Design Complete | 99 | SEP 01 |
| (f) | Energy Study/Life-Cycle analysis was/will be performed | | Y |
| (2) Basis: | | | |
| (a) | Standard or Definitive Design - | | NO |
| (b) | Where Design Was Most Recently Used - | | N/A |
| (3) | Total Cost (c) = (a) + (b) or (d) + (e): | | (\$000) |
| (a) | Production of Plans and Specifications | | 330 |
| (b) | All Other Design Costs | | 165 |
| (c) | Total | | 495 |
| (d) | Contract | | 412 |
| (e) | In-house | | 83 |
| (4) | Construction Start | | 00 FEB |
| (5) | Construction Completion | | 01 MAY |
| * Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability. | | | |
| b. Equipment associated with this project will be provided from other appropriations: | | | |
| EQUIPMENT NOMENCLATURE | PROCURING APPROPRIATION | FISCAL YEAR APPROPRIATED OR REQUESTED | COST (\$000) |
| EXERCISE/FITNESS EQUIPMENT | 3400 | 2000 | 300 |

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|--|---|-----------|------|------|---------------|---------------------|---------------|---------------|-----|---------|---------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | 2. DATE | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | 4. COMMAND | | | 5. AREA CONST | | | |
| PATRICK AIR FORCE BASE, FLORIDA | | | | | AIR FORCE | | | COST INDEX | | | |
| | | | | | SPACE COMMAND | | | 0.96 | | | |
| 6. PERSONNEL | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| STRENGTH | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 98 | | 355 | 1146 | 1102 | | | | | | | 2,603 |
| b. End FY 2005 | | 351 | 1174 | 1087 | | | | | | | 2,612 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (2,341) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) | | | | | | | | | | | 201,870 |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | | 0 |
| d. Authorization Requested In This Program: | | | | | | | | | | | 17,800 |
| e. Authorization Included In Following Program: (FY 2001) | | | | | | | | | | | 13,400 |
| f. Planned In Next Four Program Years: | | | | | | | | | | | 19,700 |
| g. Remaining Deficiency: | | | | | | | | | | | 19,743 |
| h. Grand Total: | | | | | | | | | | | 272,513 |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | | | | | | | | | | |
| <u>CODE</u> | <u>PROJECT TITLE</u> | | | | <u>SCOPE</u> | <u>COST (\$000)</u> | <u>DESIGN</u> | <u>STATUS</u> | | | |
| | | | | | | | <u>START</u> | <u>CMPL</u> | | | |
| 141-783 | AIR FREIGHT/PASSENGER TERMINAL FACILITY | | | | 3,260 SM | 8,300 | TURN | KEY | | | |
| 442-758 | BASE SUPPLY/TRAFFIC MANAGEMENT COMPLEX | | | | 7,750 SM | 9,500 | TURN | KEY | | | |
| TOTAL: | | | | | | 17,800 | | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | |
| 730-441 | DEFENSE EQUAL OPPORTUNITY MANAGEMENT INSTITUTE FACILITY | | | | 8,510 SM | 13,400 | | | | | |
| TOTAL: | | | | | | 13,400 | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 130-142 | FIRE/CRASH RESCUE STATION | | | | 1,900 SM | 4,600 | | | | | |
| 141-456 | SECURITY FORCES OPERATIONS FACILITY | | | | 2,550 SM | 5,200 | | | | | |
| 724-417 | VISITING OFFICERS QUARTERS | | | | 7,435 SM | 8,400 | | | | | |
| 851-147 | WIDEN SOUTH PATRICK DRIVE | | | | 32,184 SM | 1,500 | | | | | |
| 10. Mission or Major Functions: A space wing; the Air Force Technical Applications Center; and an Air Force Reserve HH-60/H-130 rescue squadron. | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | | 0 |
| b. Water pollution: | | | | | | | | | | | 0 |
| c. Occupational safety and health: | | | | | | | | | | | 0 |
| d. Other Environmental: | | | | | | | | | | | 1,495 |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | | 35,641 |

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|---|--|---|-------------------------|--------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | | 2. DATE |
| AIR FORCE | (computer generated) | | | |
| 3. INSTALLATION AND LOCATION | | 4. PROJECT TITLE | | |
| PATRICK AIR FORCE BASE, FLORIDA | | AIR FREIGHT/PASSENGER TERMINAL FACILITY | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | |
| 3.59.96 | 141-783 | SXHT963001 | AUTH: | 8,300 |
| | | | APPROP: | 1,967 |
| 9. COST ESTIMATES | | | | |
| ITEM | U/M | QUANTITY | UNIT COST | COST (\$000) |
| AIR FREIGHT/PASSENGER TERMINAL | SM | 3,260 | | 4,341 |
| AIR FREIGHT/PASSENGER TERMINAL | SM | 2,110 | 1,410 | (2,975) |
| MOBILITY PROCESSING/BASE OPERATIONS | SM | 1,150 | 1,188 | (1,366) |
| SUPPORTING FACILITIES | | | | 3,100 |
| UTILITIES | LS | | | (400) |
| PAVEMENTS | LS | | | (270) |
| SITE IMPROVEMENTS | LS | | | (150) |
| AIRCRAFT APRON | SM | 18,000 | 50 | (900) |
| DEMOLITION | SM | 8,000 | 110 | (880) |
| ASBESTOS ABATEMENT | LS | | | (500) |
| SUBTOTAL | | | | 7,441 |
| CONTINGENCY (5%) | | | | 372 |
| TOTAL CONTRACT COST | | | | 7,813 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | 445 |
| TOTAL REQUEST | | | | 8,258 |
| TOTAL REQUEST (ROUNDED) | | | | 8,300 |
| EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD) | | | | (340) |
| 10. Description of Proposed Construction: Concrete slab, EFIS/CMU exterior walls, and built-up roof system. Includes space for customer service, baggage handling, administrative area, flight planning, mobility processing, freight processing and storage area, access road, aircraft parking apron, asbestos abatement and all other supporting facilities. Demolish one facility totaling 8,000 SM. Air Conditioning: 160 KW. | | | | |
| 11. REQUIREMENT: 3,950 SM ADEQUATE: 0 SUBSTANDARD: 8,000 SM <u>PROJECT</u> : Construct an air freight/passenger terminal facility. (Current Mission) <u>REQUIREMENT</u> : This project directly supports the operational mission of the 45th Space Wing and supports the space launch mission of Air Force Space Command. The facility is required to receive, process, ship, and store materials in support of operations for the eastern range sites on Antigua and Ascension Islands and high priority Air Force, DOD, and National interest programs. The facility will provide an embarkation point for United States Customs operations and passengers traveling on military or commercial aircraft. In addition, space is required to support flight operations, administrative and weather service functions, flight planning, and to support the wartime mobility requirements of the 45th Space Wing and its various tenants. The Aerial Port of Embarkation at Patrick AFB handles a monthly average of 81 missions, 708 passengers, and 174,907 kilograms of cargo. <u>CURRENT SITUATION</u> : The hangar was built in 1945 and has deteriorated because of age and exposure to an extremely corrosive environment. Sea spray has corroded the reinforcing steel in structural members. A Risk | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION PATRICK AIR FORCE BASE, FLORIDA | | |
| 4. PROJECT TITLE AIR FREIGHT/PASSENGER TERMINAL FACILITY | 5. PROJECT NUMBER SXHT963001 | |
| <p>Assessment Code (RAC) 2 has been assigned to the facility for safety violations related to egress and fire rated separations. The hangar doors no longer open or close and have become such a safety hazard that a RAC 2 has been assigned to them and doors have been welded open to prevent a mishap.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Deterioration of structural members will become a serious safety problem causing partial shutdown of certain areas within the facility. Passengers and cargo will continue to be susceptible to safety hazards as facility components continue to deteriorate. Failure to provide equipment and supplies to Antigua Air Station, Ascension Auxiliary Airfield sites, or operations overseas in a timely manner will have a negative impact on the critical missions at these locations.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in the Air Force Handbook 32-1084, "Facility Requirements." An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. Base Civil Engineer: Lt Col Bryan Kuhlman, (407) 494-4041. Air Freight/Passenger Terminal: 2,110SM = 22,704SF; Mobility Processing/Base Operations: 1,150SM = 12,374SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE |
| AIR FORCE | | | |
| 3. INSTALLATION AND LOCATION | | | |
| PATRICK AIR FORCE BASE, FLORIDA | | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER | |
| AIR FREIGHT/PASSENGER TERMINAL FACILITY | | SXHT963001 | |
| 12. SUPPLEMENTAL DATA: | | | |
| a. Estimated Design Data: | | | |
| (1) Project to be accomplished by design-build procedures | | | |
| (2) Basis: | | | |
| (a) Standard or Definitive Design - | | | NO |
| (b) Where Design Was Most Recently Used - | | | N/A |
| (3) Design Allowance | | | 415 |
| (4) Construction Start | | | 99 DEC |
| (5) Construction Completion | | | 01 AUG |
| (6) Energy Study/Life-Cycle analysis was/will be performed | | | Y |
| b. Equipment associated with this project will be provided from other appropriations: | | | |
| EQUIPMENT NOMENCLATURE | PROCURING APPROPRIATION | FISCAL YEAR APPROPRIATED OR REQUESTED | COST (\$000) |
| MATERIAL HANDLING EQUIPMENT | 3080 | FY2000 | 340 |

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|--|------------------|--|--|-----------|--------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | 2. DATE | |
| AIR FORCE | | (computer generated) | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| PATRICK AIR FORCE BASE, FLORIDA | | | BASE SUPPLY/TRAFFIC MANAGEMENT COMPLEX | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 3.59.96 | 442-758 | SXHT983006A | AUTH: | 9,500 | |
| | | | APPROP: | 2,238 | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| BASE SUPPLY/TRAFFIC MANAGEMENT COMPLEX | | SM | 7,750 | | 5,883 |
| WAREHOUSE STORAGE | | SM | 6,000 | 627 | (3,762) |
| ADMINISTRATIVE | | SM | 1,750 | 1,212 | (2,121) |
| SUPPORTING FACILITIES | | | | | 2,677 |
| UTILITIES | | LS | | | (608) |
| PAVEMENTS | | LS | | | (450) |
| SITE IMPROVEMENTS | | LS | | | (280) |
| DEMOLITION | | SM | 18,419 | 70 | (1,289) |
| ASBESTOS ABATEMENT | | LS | | | (50) |
| SUBTOTAL | | | | | 8,560 |
| CONTINGENCY (5%) | | | | | 428 |
| TOTAL CONTRACT COST | | | | | 8,988 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 512 |
| TOTAL REQUEST | | | | | 9,500 |
| TOTAL REQUEST (ROUNDED) | | | | | 9,500 |
| EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD) | | | | | (900) |
| 10. Description of Proposed Construction: Construct a storage warehouse with concrete slab, precast concrete exterior walls, loading docks and sloped roof to include administrative office space, bathrooms, mechanical, electrical, and fire protection systems. Provide open storage area, access road, utilities, landscaping, and asbestos abatement. Demolish seven buildings totaling 18,419 SM. Air Conditioning: 200 KW. | | | | | |
| 11. REQUIREMENT: 7,750 SM ADEQUATE: 0 SUBSTANDARD: 18,419 SM PROJECT: Construct a base supply/traffic management complex. (Current Mission) REQUIREMENT: Provide an adequate base supply facility and secured open storage area for material handling, storage and inventory control. Facility would also include sufficient space to house the base traffic management branch and provide for the shipping and receiving of military supplies, household goods, personal effects and packing and crating. CURRENT SITUATION: The existing two facilities were constructed in 1944 and 1953 respectively. The concrete is spalling throughout these warehouse facilities exposing the reinforcing steel to the highly corrosive environment. Due to the reduction of space requirements for supply and age of these facilities, reconfiguration for efficient warehousing techniques and traffic management activities are not cost effective. These buildings leak during heavy storms and are constantly being repaired. Also, five additional deteriorated buildings are to be demolished, as they are beyond economical repair and are located on the future site of the Defense Equal Opportunity Management Institute (DEOMI) facility. | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION PATRICK AIR FORCE BASE, FLORIDA | | |
| 4. PROJECT TITLE BASE SUPPLY/TRAFFIC MANAGEMENT COMPLEX | 5. PROJECT NUMBER SXHT983006A | |
| <p><u>IMPACT IF NOT PROVIDED:</u> Base supply and traffic management functions will continue to operate in delapidated and unsafe facilities. The overall mission will continue to be severely impacted with personnel operating in a potentially hazardous and unsafe environment.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in the Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction, leasing) was done. It indicates that new construction is the only option that will meet the operational requirements. Because of this, a full economical analysis was not performed. A certificate of exception has been prepared. Base Civil Engineer: Lt Col Bryan Kuhlmann, (407) 494-4041. Warehouse Storage: 6,000SM = 64,560SF; Administrative: 1,750SM = 18,830SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE |
| AIR FORCE | | | |
| 3. INSTALLATION AND LOCATION | | | |
| PATRICK AIR FORCE BASE, FLORIDA | | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER | |
| BASE SUPPLY/TRAFFIC MANAGEMENT COMPLEX | | SXHT983006A | |
| 12. SUPPLEMENTAL DATA: | | | |
| a. Estimated Design Data: | | | |
| (1) Project to be accomplished by design-build procedures | | | |
| (2) Basis: | | | |
| (a) Standard or Definitive Design - | | | NO |
| (b) Where Design Was Most Recently Used - | | | N/A |
| (3) Design Allowance | | | 475 |
| (4) Construction Start | | | 99 DEC |
| (5) Construction Completion | | | 01 OCT |
| (6) Energy Study/Life-Cycle analysis was/will be performed | | | Y |
| b. Equipment associated with this project will be provided from other appropriations: | | | |
| EQUIPMENT NOMENCLATURE | PROCURING APPROPRIATION | FISCAL YEAR APPROPRIATED OR REQUESTED | COST (\$000) |
| MATERIAL HANDLING EQUIPMENT | 3080 | FY2001 | 700 |
| PREWIRED WORKSTATIONS | 3400 | FY2000 | 200 |

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|--|---|-----------|-----|-----|--------------------|---------------------|---------------------|--------------------------|--------------------|---------|---------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | 2. DATE | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | 4. COMMAND | | | 5. AREA CONST COST INDEX | | | |
| POST FORT BENNING, GEORGIA | | | | | AIR COMBAT COMMAND | | | 0.81 | | | |
| 6. PERSONNEL STRENGTH | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 98 | | 12 | 49 | | | | | | | | 61 |
| b. End FY 2005 | | 12 | 48 | | | | | | | | 60 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (171,841) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) | | | | | | | | | | | 604,089 |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | | 0 |
| d. Authorization Requested In This Program: | | | | | | | | | | | 3,900 |
| e. Authorization Included In Following Program: (FY 2001) | | | | | | | | | | | 0 |
| f. Planned In Next Four Program Years: | | | | | | | | | | | 0 |
| g. Remaining Deficiency: | | | | | | | | | | | 0 |
| h. Grand Total: | | | | | | | | | | | 607,989 |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | | | | | | | | | | |
| <u>CODE</u> | <u>PROJECT TITLE</u> | | | | <u>SCOPE</u> | <u>COST (\$000)</u> | <u>DESIGN START</u> | | <u>STATUS CMPL</u> | | |
| 141-753 | AIR SUPPORT OPERATIONS SQUADRON | | | | 2,325 SM | 3,900 | MAY 98 | | JUL 99 | | |
| TOTAL: | | | | | | 3,900 | | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) NONE | | | | | | | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 10. Mission or Major Functions: Consists of an Air Support Operations Squadron (ASOS) with a weather detachment. | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | | 0 |
| b. Water pollution: | | | | | | | | | | | 0 |
| c. Occupational safety and health: | | | | | | | | | | | 0 |
| d. Other Environmental: | | | | | | | | | | | 0 |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | | 0 |

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|--|--|---|-------------------------|--------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE |
| AIR FORCE | | | | |
| 3. INSTALLATION AND LOCATION | | 4. PROJECT TITLE | | |
| FORT BENNING, GEORGIA | | AIR SUPPORT OPERATIONS SQUADRON FACILITY | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | |
| 2.75.96 | 141-753 | HACC003012 | AUTH: 3,900 | APPROP: 911 |
| 9. COST ESTIMATES | | | | |
| ITEM | U/M | QUANTITY | UNIT COST | COST (\$000) |
| AIR SUPPORT OPERATIONS SQUADRON FACILITY | SM | 2,325 | 1,180 | 2,744 |
| SUPPORTING FACILITIES | | | | 751 |
| UTILITIES | LS | | | (150) |
| PAVEMENTS | LS | | | (275) |
| SITE IMPROVEMENTS | LS | | | (96) |
| VEHICLE WASHRACK | LS | | | (100) |
| HAZARDOUS MATERIAL STORAGE | LS | | | (30) |
| COVERED STORAGE | LS | | | (100) |
| SUBTOTAL | | | | 3,495 |
| CONTINGENCY (5%) | | | | 175 |
| TOTAL CONTRACT COST | | | | 3,670 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | 209 |
| TOTAL REQUEST | | | | 3,879 |
| TOTAL REQUEST (ROUNDED) | | | | 3,900 |
| 10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, masonry walls, roof system, fire protection system, utilities, site work, landscaping, parking and necessary support. Air Conditioning: 98 KW. | | | | |
| 11. REQUIREMENT: 2,325 SM ADEQUATE: 0 SUBSTANDARD: 850 SM PROJECT: Construct air support operations squadron facility. (Current Mission) REQUIREMENT: A facility to adequately support the administrative, training, vehicle and equipment maintenance, and storage requirements for the Air Support Operations Squadron located at Fort Benning. This squadron provides garrison weather support and close air support for Army divisions, brigades, and battalions. It also maintains mission-ready air support operations personnel, radios, vehicles, and mobility equipment deployable worldwide. CURRENT SITUATION: The Air Support Operations Squadron at Fort Benning currently resides in a condemned World War II era building and two temporary trailers. The facilities have no fire detection or suppression systems. The roofs, walls and flooring need replacing; many areas contain dry rot. There is a lack of covered vehicle parking and inadequate mobility and combat equipment storage. IMPACT IF NOT PROVIDED: Function will continue to work out of three separate, condemned facilities impacting unit efficiency and morale. Improper storage for vehicles and equipment results in faster deterioration and can potentially effect mission performance. ADDITIONAL: Only one alternative exists to meet this operational requirement, therefore an economic analysis is not required. Department | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION FORT BENNING, GEORGIA | | |
| 4. PROJECT TITLE AIR SUPPORT OPERATIONS SQUADRON FACILITY | 5. PROJECT NUMBER HACC003012 | |
| <p>of Public Works: Col R. O. Buck (706) 545-2292. Air Support Operations Facility: 2,325 SM = 25,000 SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| AIR FORCE | | |
| 3. INSTALLATION AND LOCATION | | |
| FORT BENNING, GEORGIA | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER |
| AIR SUPPORT OPERATIONS SQUADRON FACILITY | | HACC003012 |
| 12. SUPPLEMENTAL DATA: | | |
| a. Estimated Design Data: | | |
| (1) Status: | | |
| (a) Date Design Started | | 98 MAY 12 |
| (b) Parametric Cost Estimates used to develop costs | | Y |
| * (c) Percent Complete as of Jan 1999 | | 15% |
| * (d) Date 35% Designed. | | 98 DEC 15 |
| (e) Date Design Complete | | 99 JUL 15 |
| (f) Energy Study/Life-Cycle analysis was/will be performed | | Y |
| (2) Basis: | | |
| (a) Standard or Definitive Design - | | NO |
| (b) Where Design Was Most Recently Used - | | N/A |
| (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) | | |
| (a) Production of Plans and Specifications | | 234 |
| (b) All Other Design Costs | | 117 |
| (c) Total | | 351 |
| (d) Contract | | 293 |
| (e) In-house | | 58 |
| (4) Construction Start | | 00 JAN |
| (5) Construction Completion | | 01 JAN |
| * Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability. | | |
| b. Equipment associated with this project will be provided from other appropriations: N/A | | |

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|--|---|------|-----|----------|-----|-----------|-----------------|--------------------|----------------|--------|---------|-----------------------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | | 2. DATE | |
| AIR FORCE | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | MOODY AIR FORCE BASE, GEORGIA | | | | | | 4. COMMAND | AIR COMBAT COMMAND | | | | 5. AREA CONST COST INDEX |
| | | | | | | | | | | 0.87 | | |
| 6. PERSONNEL STRENGTH | PERMANENT | | | STUDENTS | | | SUPPORTED | | | TOTAL | | |
| | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | | | |
| a. As of 30 SEP 98 | 416 | 3503 | 389 | | | | 6 | 21 | 71 | 4,406 | | |
| b. End FY 2005 | 419 | 3539 | 386 | | | | 6 | 21 | 71 | 4,442 | | |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | | |
| a. Total Acreage: | (5,442) | | | | | | | | | | | |
| b. Inventory Total As Of: | (30 SEP 98) | | | | | | | | | | 211,976 | |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | | 0 | |
| d. Authorization Requested In This Program: | | | | | | | | | | | 3,200 | |
| e. Authorization Included In Following Program: | (FY 2001) | | | | | | | | | | 1,950 | |
| f. Planned In Next Four Program Years: | | | | | | | | | | | 22,200 | |
| g. Remaining Deficiency: | | | | | | | | | | | 22,810 | |
| h. Grand Total: | | | | | | | | | | | 262,136 | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | | |
| CATEGORY | | | | | | | | | | | | |
| CODE | PROJECT TITLE | | | | | SCOPE | COST (\$000) | DESIGN START | STATUS Cmpl | | | |
| 141-753 | SQUADRON OPERATIONS FACILITY | | | | | 2,000 SM | 3,200 | APR 98 | SEP 99 | | | |
| TOTAL: | | | | | | | 3,200 | | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | | |
| 841-165 | WATER TREATMENT PLANT | | | | | LS | 1,950 | | | | | |
| TOTAL: | | | | | | | 1,950 | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | | |
| 112-211 | TAXIWAY | | | | | 12,500 SM | 2,650 | | | | | |
| 610-128 | GLOBAL POWER CENTER, PHASE I | | | | | 4,670 SM | 7,250 | | | | | |
| 721-312 | DORMITORY | | | | | 144 RM | 9,100 | | | | | |
| 740-674 | PHYSICAL FITNESS CENTER | | | | | 1,900 SM | 3,200 | | | | | |
| 10. Mission or Major Functions: A composite wing with two F-16 squadrons, an A/0A-10 squadron, and a rescue wing with an HH-60 squadron and an HC-130 squadron. A training squadron of (AETC) T-38C aircraft will replace the A/0A-10 squadron in the near future. | | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | 400 | | |
| b. Water pollution: | | | | | | | | | | 900 | | |
| c. Occupational safety and health: | | | | | | | | | | 0 | | |
| d. Other Environmental: | | | | | | | | | | 0 | | |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | 24,375 | | |

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|--|--|-------------------|-----------------------------|--------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE |
| AIR FORCE | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | |
| MOODY AIR FORCE BASE, GEORGIA | | | SQUADRON OPERATION FACILITY | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | |
| 8.47.43 | 141-753 | QSEU983403 | AUTH: | 3,200 |
| | | | APPROP: | 763 |
| 9. COST ESTIMATES | | | | |
| ITEM | U/M | QUANTITY | UNIT COST | COST (\$000) |
| SQUADRON OPERATION FACILITY | SM | 2,000 | 1,160 | 2,320 |
| SUPPORTING FACILITIES | | | | 543 |
| UTILITIES | LS | | | (241) |
| PAVEMENTS | LS | | | (152) |
| SITE IMPROVEMENTS | LS | | | (100) |
| COMMUNICATIONS | LS | | | (50) |
| SUBTOTAL | | | | 2,863 |
| CONTINGENCY (5%) | | | | 143 |
| TOTAL CONTRACT COST | | | | 3,006 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | 171 |
| TOTAL REQUEST | | | | 3,177 |
| TOTAL REQUEST (ROUNDED) | | | | 3,200 |
| 10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs with exterior masonry walls and standing seam metal roof. The facility includes all necessary utilities, sewer, communications, pavements, and fire protection support for a complete and usable facility. Air Conditioning: 50 KW. | | | | |
| 11. REQUIREMENT: 2,000 SM ADEQUATE: 0 SUBSTANDARD: 0 PROJECT: Construct squadron operations facility (New Mission) REQUIREMENT: A squadron operations facility of adequate size and configuration is required to accommodate two T-38C squadrons for Introduction to Fighter Fundamentals (IFF) training. This function is consolidating from two locations to Moody AFB beginning the 2nd quarter of FY00 to allow an overall increase in Air Force pilot production capability. Facility will provide squadron operations space for planning, briefing, support, administration, and individual critique of training sorties. CURRENT SITUATION: Currently, squadron operations facilities are not available to complete the IFF beddown. Some facility space to include a maintenance hangar, aircraft parking ramp area, and operation support space will become available for T-38 operations with the relocation of other aircraft. This vacated space will allow consolidation of remaining aircraft and a facility for IFF Group operations. No other space is available to house the two IFF squadron operations functions near their maintenance and support area. IMPACT IF NOT PROVIDED: Without squadron operations facilities for the IFF squadrons, essential squadron operations and logistics functions cannot be performed. Costly alternatives will have to be implemented. | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION MOODY AIR FORCE BASE, GEORGIA | | |
| 4. PROJECT TITLE SQUADRON OPERATION FACILITY | 5. PROJECT NUMBER QSEU983403 | |
| <p>Temporary relocatable facilities will be required to accommodate the IFF squadron operations forcing personnel to work in undersized, inadequately configured space, lowering personnel morale and work efficiency.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, new construction) indicates there is only one option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exemption has been prepared. Base Civil Engineer, Lt Col James R. Mills (912) 333-3601. T-38C Squadron Operations Facility: 2,000 SM = 21,520 SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| AIR FORCE | | |
| 3. INSTALLATION AND LOCATION | | |
| MOODY AIR FORCE BASE, GEORGIA | | |
| 4. PROJECT TITLE | 5. PROJECT NUMBER | |
| SQUADRON OPERATION FACILITY | QSEU983403 | |
| 12. SUPPLEMENTAL DATA: | | |
| a. Estimated Design Data: | | |
| (1) Status: | | |
| (a) Date Design Started | | 98 APR 02 |
| (b) Parametric Cost Estimates used to develop costs | | Y |
| * (c) Percent Complete as of Jan 1999 | | 15% |
| * (d) Date 35% Designed. | | 98 DEC 15 |
| (e) Date Design Complete | | 99 SEP 20 |
| (f) Energy Study/Life-Cycle analysis was/will be performed | | Y |
| (2) Basis: | | |
| (a) Standard or Definitive Design - | | NO |
| (b) Where Design Was Most Recently Used - | | N/A |
| (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) | | |
| (a) Production of Plans and Specifications | | 192 |
| (b) All Other Design Costs | | 96 |
| (c) Total | | 288 |
| (d) Contract | | 240 |
| (e) In-house | | 48 |
| (4) Construction Start | | 99 DEC |
| (5) Construction Completion | | 01 JAN |
| * Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability. | | |
| b. Equipment associated with this project will be provided from other appropriations: N/A | | |

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|---|---|--|----------|--------------|--------------|-------------|-----------|------------|------------------|--------|---------|--------------------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | | 2. DATE | |
| AIR FORCE | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | ROBINS AIR FORCE BASE, GEORGIA | | | | | | | 4. COMMAND | MATERIEL COMMAND | | | 5. AREA CONST COST INDEX |
| | | | | | | | | | | | | 0.82 |
| 6. PERSONNEL STRENGTH | PERMANENT | | | STUDENTS | | | SUPPORTED | | | TOTAL | | |
| | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | | | |
| a. As of 30 SEP 98 | 891 | 3628 | 9992 | | | | 5 | 14 | 431 | 15,961 | | |
| b. End FY 2005 | 988 | 4225 | 11197 | | | | 5 | 14 | 431 | 17,860 | | |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | | |
| a. Total Acreage: | (8,722) | | | | | | | | | | | |
| b. Inventory Total As Of: | (30 SEP 98) | | | | | | | | | | 725,608 | |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | | 0 | |
| d. Authorization Requested In This Program: | | | | | | | | | | | 3,350 | |
| e. Authorization Included In Following Program: | (FY 2001) | | | | | | | | | | 2,700 | |
| f. Planned In Next Four Program Years: | | | | | | | | | | | 58,507 | |
| g. Remaining Deficiency: | | | | | | | | | | | 105,000 | |
| h. Grand Total: | | | | | | | | | | | 895,165 | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | | |
| CATEGORY | CODE | PROJECT TITLE | SCOPE | COST (\$000) | DESIGN START | STATUS CMPL | | | | | | |
| | 171-212 | KC-135 FLIGHT SIMULATOR FACILITY | 750 SM | 3,350 | APR 98 | SEP 99 | | | | | | |
| | | | TOTAL: | 3,350 | | | | | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | | |
| | 218-712 | LARGE ITEM AIRCRAFT SUPPORT EQUIPMENT PAINT FACILITY (WCF) | 800 SM | 2,700 | TURN KEY | | | | | | | |
| | | | TOTAL: | 2,700 | | | | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | | |
| | 130-142 | FIRE/CRASH RESCUE STATION | 2,137 SM | 4,000 | | | | | | | | |
| | 136-661 | APPROACH LIGHTING SYSTEM | 914 LM | 1,900 | | | | | | | | |
| | 179-511 | FIRE TRAINING FACILITY | 1 EA | 3,357 | | | | | | | | |
| | 211-152 | COMPOSITE MATERIALS REPAIR FACILITY | 6,708 SM | 11,200 | | | | | | | | |
| | 211-152 | LIFE SUPPORT FACILITY | 3,558 SM | 5,700 | | | | | | | | |
| | 217-742 | COMBAT COMMUNICATIONS SQUAD OPS (54 CCS) | 2,700 SM | 5,450 | | | | | | | | |
| | 217-742 | COMBAT COMMUNICATIONS SQDN OPERATIONS (51 CCS) | 2,700 SM | 5,700 | | | | | | | | |
| | 218-712 | GROUND SUPPORT EQUIPMENT MAINTENANCE FACILITY | 4,366 SM | 7,300 | | | | | | | | |
| | 610-127 | BASE CIVIL ENGINEER FACILITY | 1,700 SM | 2,700 | | | | | | | | |
| | 722-351 | AIRMEN DINING HALL | 1,750 SM | 5,400 | | | | | | | | |
| | 871-183 | ADD TO AND ALTER STORM DRAINAGE SYSTEM | LS | 2,900 | | | | | | | | |
| | 880-211 | FIRE PROTECTION SYSTEMS | 1,823 SM | 2,900 | | | | | | | | |
| 10. Mission or Major Functions: Warner Robins Air Logistics Center which is responsible for logistics management, support, and depot-level maintenance of F-15, C-130, C-5, and C-141 aircraft, helicopters, missiles, and remotely piloted vehicles; HQ AFRC; an air base wing; an AMC air refueling group with 12 KC-135 aircraft; an ACC combat communications group; an Air National Guard bomb wing with B-1B aircraft; the main operating base for the Joint Surveillance and Target Attack Radar System (JSTARS) aircraft, and the museum of aviation. | | | | | | | | | | | | |

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|---|---|-----|-----|------------|-------------------------------|-----|-----------|---------------|------------|---------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | 2. DATE |
| AIR FORCE | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | ROBINS AIR FORCE BASE, GEORGIA | | | 4. COMMAND | AIR FORCE MATERIEL COMMAND | | | 5. AREA CONST | COST INDEX | |
| | | | | | | | | 0.82 | | |
| 6. PERSONNEL STRENGTH | PERMANENT | | | STUDENTS | | | SUPPORTED | | | TOTAL |
| | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | |
| a. As of | | | | | | | | | | |
| b. End FY | | | | | | | | | | |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | |
| a. Total Acreage: | | | | | | | | | | |
| b. Inventory Total As Of: | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | |
| d. Authorization Requested In This Program: | | | | | | | | | | |
| e. Authorization Included In Following Program: | | | | | | | | | | |
| f. Planned In Next Four Program Years: | | | | | | | | | | |
| g. Remaining Deficiency: | | | | | | | | | | |
| h. Grand Total: | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | 0 | |
| b. Water pollution: | | | | | | | | | 0 | |
| c. Occupational safety and health: | | | | | | | | | 0 | |
| d. Other Environmental: | | | | | | | | | 0 | |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | 54,461 | | |

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|--|------------------|--|----------------------------------|-----------|--------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE | |
| AIR FORCE | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| ROBINS AIR FORCE BASE, GEORGIA | | | KC-135 FLIGHT SIMULATOR FACILITY | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 4.12.18 | 171-212 | UHHZ993555 | AUTH: | 3,350 | |
| | | | APPROP: | 789 | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| KC-135 FLIGHT SIMULATOR FACILITY | | LS | | | 2,043 |
| FLIGHT SIMULATION TRAINING | | SM | 750 | 2,037 | (1,528) |
| PILE FOUNDATION | | LS | | | (515) |
| SUPPORTING FACILITIES | | | | | 955 |
| UTILITIES | | LS | | | (500) |
| PAVEMENTS | | LS | | | (255) |
| SITE IMPROVEMENTS | | LS | | | (200) |
| SUBTOTAL | | | | | 2,998 |
| CONTINGENCY (5%) | | | | | 150 |
| TOTAL CONTRACT COST | | | | | 3,148 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 179 |
| TOTAL REQUEST | | | | | 3,327 |
| TOTAL REQUEST (ROUNDED) | | | | | 3,350 |
| EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD) | | | | | (25,000) |
| 10. Description of Proposed Construction: Pile foundation with reinforced concrete floor slab, structural framing, metal panel siding, standing-seam roof , electrical, mechanical, pavements, utilities and support work necessary to construct a KC-135 flight simulator facility. Air Conditioning: 65 KW. | | | | | |
| 11. REQUIREMENT: 750 SM ADEQUATE: 0 SUBSTANDARD: 450 SM PROJECT: Construct KC-135 flight simulator facility. (Current Mission) REQUIREMENT: This project is required to construct a KC-135 flight simulator facility to support installation of a full-motion simulator device. A full-motion simulator will provide initial training, proficiency, and effective mission procedures training. It is essential to provide hazardous emergency training procedures that cannot otherwise be provided. This facility directly supports flight crew training, with a simulator bay, computer room, instructor offices, lesson preparation areas, learning center, scheduling and briefing rooms, visual aids storage, mechanical room, and all necessary support. This requirement must be included in the FY00 MILCON program in order to support equipment delivery in FY00. CURRENT SITUATION: The existing KC-135 flight simulator facility houses a no-motion simulator device which does not meet the full-motion, 6-axes simulator training requirement for KC-135 aircrews. A new facility is required to support the larger, full-motion simulator equipment. Without an adequate, full-motion simulator, crew certification is hampered and achieving local proficiency flying is impossible without using aircraft flying hours. IMPACT IF NOT PROVIDED: Realistic KC-135 air crew training is limited | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION ROBINS AIR FORCE BASE, GEORGIA | | |
| 4. PROJECT TITLE KC-135 FLIGHT SIMULATOR FACILITY | 5. PROJECT NUMBER UHHZ993555 | |
| <p>without the six-axes flight simulator. Emergency procedures training is not possible because these procedures are too dangerous to attempt under actual flying conditions.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Civil Engineering Facility Requirements". Manual 86-2, "Standard Facility Requirements". BASE CIVIL ENGINEER: Col John Mogge, (912) 926-3093. Flight simulator training facility: 750SM = 8,073SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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|--|--|----------------------------|---|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | 2. DATE |
| AIR FORCE | (computer generated) | | |
| 3. INSTALLATION AND LOCATION | | | |
| ROBINS AIR FORCE BASE, GEORGIA | | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER | |
| KC-135 FLIGHT SIMULATOR FACILITY | | UHHZ993555 | |
| 12. SUPPLEMENTAL DATA: | | | |
| a. Estimated Design Data: | | | |
| (1) Status: | | | |
| (a) | Date Design Started | 98 APR 02 | |
| (b) | Parametric Cost Estimates used to develop costs | Y | |
| * (c) | Percent Complete as of Jan 1999 | 15% | |
| * (d) | Date 35% Designed. | 98 NOV 27 | |
| (e) | Date Design Complete | 99 SEP 24 | |
| (f) | Energy Study/Life-Cycle analysis was/will be performed | Y | |
| (2) Basis: | | | |
| (a) | Standard or Definitive Design - | YES | |
| (b) | Where Design Was Most Recently Used - | MACDILL | |
| (3) Total Cost (c) = (a) + (b) or (d) + (e): | | | (\$000) |
| (a) | Production of Plans and Specifications | 151 | |
| (b) | All Other Design Costs | 67 | |
| (c) | Total | 218 | |
| (d) | Contract | 168 | |
| (e) | In-house | 50 | |
| (4) | Construction Start | 00 FEB | |
| (5) | Construction Completion | 01 APR | |
| * Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability. | | | |
| b. Equipment associated with this project will be provided from other appropriations: | | | |
| | EQUIPMENT NOMENCLATURE | PROCURING APPROPRIATION | FISCAL YEAR APPROPRIATED OR REQUESTED |
| | | | COST (\$000) |
| | KC-135 FLIGHT SIMULATOR DEVICE | 3010 | FY99 25000 |

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|---|---|---|------|--------------------|----------|---------|-----------------------------|---------------|---------|-----|-------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | 2. DATE | | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | 4. COMMAND | | | 5. AREA CONST COST INDEX | | | | |
| HICKAM AIR FORCE BASE, HAWAII | | | | PACIFIC AIR FORCES | | | 1.46 | | | | |
| 6. PERSONNEL | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| STRENGTH | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 98 | | 680 | 2624 | 1911 | | | | 166 | 260 | 17 | 6,658 |
| b. End FY 2005 | | 671 | 2681 | 1898 | | | | 166 | 260 | 17 | 6,693 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (2,851) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) | | 442,042 | | | | | | | | | |
| c. Authorization Not Yet In Inventory: | | 0 | | | | | | | | | |
| d. Authorization Requested In This Program: | | 3,300 | | | | | | | | | |
| e. Authorization Included In Following Program: (FY 2001) | | 4,800 | | | | | | | | | |
| f. Planned In Next Four Program Years: | | 51,324 | | | | | | | | | |
| g. Remaining Deficiency: | | 241,487 | | | | | | | | | |
| h. Grand Total: | | 742,953 | | | | | | | | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | | | | | COST | | DESIGN STATUS | | | |
| CODE | PROJECT TITLE | | | SCOPE | | (\$000) | | START | CMPL | | |
| 179-511 | FIRE TRAINING FACILITY | | | LS | | 3,300 | | APR 98 | JUN 99 | | |
| | | | | TOTAL: | | 3,300 | | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | |
| 211-111 | UPGRADE HANGAR COMPLEX | | | 34,065 SM | | 4,800 | | | | | |
| | | | | TOTAL: | | 4,800 | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 113-321 | REPAIR AIRFIELD PAVEMENT | | | 98,000 SM | | 7,200 | | | | | |
| 610-284 | RENOVATE HQ PACAF BUILDING | | | LS | | 19,500 | | | | | |
| 721-315 | ALTER TRANSIENT DORMITORY | | | 2,350 SM | | 4,000 | | | | | |
| 730-441 | CONSTRUCT BASE EDUCATION CENTER | | | 1,950 SM | | 5,100 | | | | | |
| 740-674 | PHYSICAL FITNESS CENTER | | | LS | | 10,000 | | | | | |
| 612-225 | ADD BACKUP ELECTRICAL DISTRIBUTION SYSTEM | | | LS | | 5,524 | | | | | |
| 10. Mission or Major Functions: The host air base wing supports C-135B/C aircraft and hosts Headquarters, Pacific Air Forces. The installation also hosts an Air National Guard wing consisting of an F-15A/B squadron, an air refueling squadron (KC-135), and an airlift squadron (C-130H). Other major activities include an Air Intelligence Agency intelligence group and an Air Mobility Support Group. | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | |
| a. Air pollution: | | 0 | | | | | | | | | |
| b. Water pollution: | | 0 | | | | | | | | | |
| c. Occupational safety and health: | | 0 | | | | | | | | | |
| d. Other Environmental: | | 0 | | | | | | | | | |
| 12. Real Property Maintenance Backlog This Installation | | 43,683 | | | | | | | | | |

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| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE | |
| AIR FORCE | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| HICKAM AIR FORCE BASE, HAWAII | | | FIRE TRAINING FACILITY | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 2.74.56 | 179-511 | KNMD943015 | AUTH: 3,300 APPROP: 785 | | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| FIRE TRAINING FACILITY | | LS | | | 2,350 |
| SUPPORTING FACILITIES | | | | | 587 |
| UTILITIES | | LS | | | (160) |
| SITE IMPROVEMENTS | | LS | | | (242) |
| PAVEMENTS | | LS | | | (185) |
| SUBTOTAL | | | | | 2,937 |
| CONTINGENCY (5%) | | | | | 147 |
| TOTAL CONTRACT COST | | | | | 3,084 |
| SUPERVISION, INSPECTION AND OVERHEAD (6.5%) | | | | | 200 |
| TOTAL REQUEST | | | | | 3,284 |
| TOTAL REQUEST (ROUNDED) | | | | | 3,300 |
| 10. Description of Proposed Construction: Construct a 46-meter (150 ft) diameter burn pit with flexible impervious membrane liner, water recycling system, drain system, cathodic protection, leak detectors, large scale aircraft mock-up, drafting pit, a computer-controlled fuel-dispensing system, a 45,425-liter (12,000 gallon) liquid propane tank, and all necessary support. | | | | | |
| 11. REQUIREMENT: As required. PROJECT: Construct a fire training facility. (Current Mission) REQUIREMENT: This is a level I environmental compliance project. An adequately sized and configured fire training facility is required to provide realistic live fire training exercises, an Air Force and Federal Aviation Administration requirement. Live fire training enables fire fighters to maintain a high level of proficiency by extinguishing several types of fires: mass fuel spills involving fuselage and wing areas, engine fires, three dimensional (running fuel) fires, aircraft interior (flight deck, cargo, or passenger compartments), wheel well, battery compartments, auxiliary power, and structural fires. CURRENT SITUATION: Live fire training exercises were ended in 1991 for all Pacific Air Force bases with fire training facilities not having an impervious lining. This prohibition includes Hickam AFB. This moratorium forced the base to conduct approach exercises with water discharges only. The existing fire training facility has unacceptable environmental, safety, and operational deficiencies, and has been identified as an Installation Restoration Program (IRP) site. It is in violation of Environmental Protection Agency (EPA) directives. There is no aircraft mock-up and there is inadequate maneuvering room for crash trucks. There is no other adequate training facility on base to conduct required live | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII | | |
| 4. PROJECT TITLE FIRE TRAINING FACILITY | 5. PROJECT NUMBER KNMD943015 | |
| <p>fire training and crews cannot be sent on temporary duty assignments because of staffing deficiencies. Fire fighters must train as a team to benefit from aircraft rescue fire fighting live fire exercises.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The existing fire training facility will remain out of compliance wht EPA standards and cannot be used as a fully operational fire training facility. Fire fighters will not be able to conduct essential training, so they cannot maintain proficiency in fighting aircraft and structural fires. The lack of realistic training could result in the loss of life and/or valuable aircraft.</p> <p><u>ADDITIONAL:</u> A preliminary analysis of reasonable options for accomplishing this project (new construction, status quo, revitalization, and leasing) was done. It indicates that new construction is the only option that will meet operational requirements. However, this project does meet the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". A certificate of exception has been prepared. BASE CIVIL ENGINEER, Lt Col Torchia, 808-449-1660. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| AIR FORCE | | |
| 3. INSTALLATION AND LOCATION | | |
| HICKAM AIR FORCE BASE, HAWAII | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER |
| FIRE TRAINING FACILITY | | KNMD943015 |
| 12. SUPPLEMENTAL DATA: | | |
| a. Estimated Design Data: | | |
| (1) Status: | | |
| (a) Date Design Started | | 98 APR 02 |
| (b) Parametric Cost Estimates used to develop costs | | Y |
| * (c) Percent Complete as of Jan 1999 | | 15% |
| * (d) Date 35% Designed. | | 98 DEC 30 |
| (e) Date Design Complete | | 99 JUN 15 |
| (f) Energy Study/Life-Cycle analysis was/will be performed | | NA |
| (2) Basis: | | |
| (a) Standard or Definitive Design - | | YES |
| (b) Where Design Was Most Recently Used - | | KIRTLAND |
| (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) | | |
| (a) Production of Plans and Specifications | | 148 |
| (b) All Other Design Costs | | 66 |
| (c) Total | | 214 |
| (d) Contract | | 181 |
| (e) In-house | | 33 |
| (4) Construction Start | | 99 DEC |
| (5) Construction Completion | | 00 DEC |
| * Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability. | | |
| b. Equipment associated with this project will be provided from other appropriations: N/A | | |

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|--|---|---|------|-----|----------|--------------------|-----|---------------------|--------------------------|--------------------------|-------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | 2. DATE | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | | 4. COMMAND | | | 5. AREA CONST COST INDEX | | |
| MOUNTAIN HOME AIR FORCE BASE, IDAHO | | | | | | AIR COMBAT COMMAND | | | 1.23 | | |
| 6. PERSONNEL STRENGTH | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | TOTAL |
| | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | |
| a. As of 30 SEP 98 | | 472 | 3977 | 428 | | | | 12 | 42 | 38 | 4,969 |
| b. End FY 2005 | | 475 | 3867 | 428 | | | | 12 | 42 | 38 | 4,862 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (6,700) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 97) 298,862 | | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: 0 | | | | | | | | | | | |
| d. Authorization Requested In This Program: 17,000 | | | | | | | | | | | |
| e. Authorization Included In Following Program: (FY 2001) 22,600 | | | | | | | | | | | |
| f. Planned In Next Four Program Years: 11,600 | | | | | | | | | | | |
| g. Remaining Deficiency: 53,330 | | | | | | | | | | | |
| h. Grand Total: 403,392 | | | | | | | | | | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | | | | | | | | | | |
| <u>CODE</u> | | <u>PROJECT TITLE</u> | | | | <u>SCOPE</u> | | <u>COST (\$000)</u> | | <u>DESIGN STATUS</u> | |
| | | | | | | | | | | <u>START</u> <u>CMPL</u> | |
| 179-481 | | ENHANCED TRAINING RANGE, IDAHO PHII | | | | LS | | 14,600 | | TURN KEY | |
| 851-147 | | DEFENSE ACCESS ROAD | | | | 35 KM | | 2,400 | | | |
| | | | | | | TOTAL: | | 17,000 | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | |
| 113-321 | | AIRCRAFT PARKING APRONS | | | | 72,500 SM | | 12,000 | | | |
| 179-481 | | ENHANCED TRAINING RANGE, IDAHO PHIII | | | | LS | | 10,600 | | | |
| | | | | | | TOTAL: | | 22,600 | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 141-453 | | BASE OPERATIONS FACILITY | | | | 1,660 SM | | 5,400 | | | |
| 722-351 | | AIRMAN DINING HALL | | | | 1,712 SM | | 6,200 | | | |
| 10. Mission or Major Functions: A composite wing with one F-16 squadron; one F-15C/D squadron, one F-15E squadron, one KC-135R squadron, a B-1B squadron, and the AEF Battlelab. | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | |
| a. Air pollution: 0 | | | | | | | | | | | |
| b. Water pollution: 5,500 | | | | | | | | | | | |
| c. Occupational safety and health: 0 | | | | | | | | | | | |
| d. Other Environmental: 0 | | | | | | | | | | | |
| 12. Real Property Maintenance Backlog This Installation 29,908 | | | | | | | | | | | |

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|---|------------------|--|--|-----------|--------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | 2. DATE | |
| AIR FORCE | | (computer generated) | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| MOUNTAIN HOME AIR FORCE BASE, IDAHO | | | ENHANCED TRAINING RANGE, IDAHO PHII | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 2.76.04 | 179-481 | QYZH003008 | AUTH: 14,600 APPROP: 3,487 | | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| ENHANCED TRAINING RANGE, IDAHO, PHII | | LS | | | 13,099 |
| DROP TARGET SITES | | LS | | | (5,544) |
| POWER LINE | | KM | 32 | 55,938 | (1,790) |
| NO-DROP TARGETS | | LS | | | (2,250) |
| EMITTER SITES | | LS | | | (2,015) |
| MAINTENANCE COMPOUND | | LS | | | (1,500) |
| SUBTOTAL | | | | | 13,099 |
| CONTINGENCY (5%) | | | | | 655 |
| TOTAL CONTRACT COST | | | | | 13,754 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 784 |
| TOTAL REQUEST | | | | | 14,538 |
| TOTAL REQUEST (ROUNDED) | | | | | 14,600 |
| 10. Description of Proposed Construction: Construct ordnance drop target sites, no-drop targets, maintenance compound, emitter sites and extend commercial power lines. | | | | | |
| 11. REQUIREMENT: As required. | | | | | |
| PROJECT: Construct enhanced training range, Idaho PHII. (New Mission) | | | | | |
| REQUIREMENT: An adequate training range is required to allow F-16, F-15, KC-135, and B-1B crews to train together in a real world battle situation. The range requires widely separated threat emitter sites and simulated target site. The range requires commercial electrical power. This project requires QYZH003014, Defense Access Road, as a companion project. | | | | | |
| CURRENT SITUATION: Existing training ranges, airspace and emitter sites offer limited realism, flexibility and quality. Remote ranges require transit time that expends limited flying hours and funding, yet yields minimal training value. An integrated set of training facilities incorporating Saylor Creek Range and the existing Military Operations Areas will provide the flexibility to vary attacks and tactics, present aircrews with challenging, realistic battlefield situations, and allow for ready access on a day-to-day basis. This is Phase II of a three-phase project. | | | | | |
| IMPACT IF NOT PROVIDED: Continuation of training without improvements will not provide the enhancements needed by aircrews to fly against realistic targets under battlefield conditions. The Air Force will continue to expend limited funds transiting aircraft to and from the range while sacrificing training time. | | | | | |
| ADDITIONAL: All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION MOUNTAIN HOME AIR FORCE BASE, IDAHO | | |
| 4. PROJECT TITLE ENHANCED TRAINING RANGE, IDAHO PHII | 5. PROJECT NUMBER QYZH003008 | |
| <p>Base Civil Engineer: Lt Col Kenneth P. Shelton (208) 828-6353. Power Line: 32 km = 20 miles. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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|---|--|---------|---|--|------------|--|-------------------------------------|----|---|-----|----------------------|-----|------------------------|--------|-----------------------------|--------|--|----|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | | | | | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION MOUNTAIN HOME AIR FORCE BASE, IDAHO | | | | | | | | | | | | | | | | | | |
| 4. PROJECT TITLE ENHANCED TRAINING RANGE, IDAHO PHII | 5. PROJECT NUMBER QYZH003008 | | | | | | | | | | | | | | | | | |
| <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <table border="0"> <tr> <td>(1) Project to be accomplished by design-build procedures</td> <td></td> </tr> <tr> <td>(2) Basis:</td> <td></td> </tr> <tr> <td> (a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td> (b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> <tr> <td>(3) Design Allowance</td> <td>730</td> </tr> <tr> <td>(4) Construction Start</td> <td>00 JAN</td> </tr> <tr> <td>(5) Construction Completion</td> <td>02 MAY</td> </tr> <tr> <td>(6) Energy Study/Life-Cycle analysis was/will be performed</td> <td>NA</td> </tr> </table> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> | | | (1) Project to be accomplished by design-build procedures | | (2) Basis: | | (a) Standard or Definitive Design - | NO | (b) Where Design Was Most Recently Used - | N/A | (3) Design Allowance | 730 | (4) Construction Start | 00 JAN | (5) Construction Completion | 02 MAY | (6) Energy Study/Life-Cycle analysis was/will be performed | NA |
| (1) Project to be accomplished by design-build procedures | | | | | | | | | | | | | | | | | | |
| (2) Basis: | | | | | | | | | | | | | | | | | | |
| (a) Standard or Definitive Design - | NO | | | | | | | | | | | | | | | | | |
| (b) Where Design Was Most Recently Used - | N/A | | | | | | | | | | | | | | | | | |
| (3) Design Allowance | 730 | | | | | | | | | | | | | | | | | |
| (4) Construction Start | 00 JAN | | | | | | | | | | | | | | | | | |
| (5) Construction Completion | 02 MAY | | | | | | | | | | | | | | | | | |
| (6) Energy Study/Life-Cycle analysis was/will be performed | NA | | | | | | | | | | | | | | | | | |

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|--|------------------|--|-------------------------|-----------|--------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | 2. DATE | |
| AIR FORCE | | (computer generated) | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| MOUNTAIN HOME AIR FORCE BASE, IDAHO | | | DEFENSE ACCESS ROAD | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 2.76.04 | 851-147 | QYZH003014 | AUTH: | 2,400 | |
| | | | APPROP: | 564 | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| DEFENSE ACCESS ROAD | | KM | 35 | 61,200 | 2,142 |
| SUBTOTAL | | | | | 2,142 |
| CONTINGENCY (5%) | | | | | 107 |
| TOTAL CONTRACT COST | | | | | 2,249 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 128 |
| TOTAL REQUEST | | | | | 2,377 |
| TOTAL REQUEST (ROUNDED) | | | | | 2,400 |
| 10. Description of Proposed Construction: Upgrade approximately 35 km of existing roadway by scarifying, grading, mixing, compacting and adding crushed aggregate. Where necessary, the road will be widened and low water crossings constructed. | | | | | |
| 11. REQUIREMENT: 35 KM ADEQUATE: 0 SUBSTANDARD: 35 KM <u>PROJECT:</u> Upgrade defense access road. (New Mission) <u>REQUIREMENT:</u> Upgrading of the road network is required for access to the training range. Defense Access Roadways must be capable of safely withstanding the vehicle traffic volume and loading of large size military vehicles. These funds are required to provide access roads under authorization contained in Title 23 USC 210, as amended. Access road items are required for construction, improvement, replacement or relocation of public highways necessitated by construction of new or existing Air Force activities which result in a sudden and significant impact on the adjacent highway system. Such items are also vital for relocation of highways to satisfy airway-highway or explosive clearance criteria. This is a companion project for QYZH003008, Enhanced Training Range, Idaho, Phase II. <u>CURRENT SITUATION:</u> Adequate and safe roadways are not available to gain access to the Enhanced Training Range, Idaho. Existing public highways are narrow, extremely curvy, steep and not designed to handle the sizes and loads required for year-round access by military vehicles. Road surfaces are rough with wash-board effects. They are often flooded during rainy seasons or from spring run-off due to melting snow. Current access to the range area is limited to smaller vehicles and the roads are often impassable when wet. <u>IMPACT IF NOT PROVIDED:</u> Maintenance on and the placement and movement of | | | | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| AIR FORCE | | |
| 3. INSTALLATION AND LOCATION | | |
| MOUNTAIN HOME AIR FORCE BASE, IDAHO | | |
| 4. PROJECT TITLE | 5. PROJECT NUMBER | |
| DEFENSE ACCESS ROAD | QYZH003014 | |
| <p>emitter site equipment will be limited by road access. Inoperable emitter sites will hamper range effectiveness and degrade mission training. Road conditions will damage government vehicles and equipment, and put the safety of personnel at risk.</p> <p><u>ADDITIONAL</u>: All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed.</p> <p>BASE CIVIL ENGINEER: Lt Col Kenneth P. Shelton (208) 828-6353. Defense Access Road: 35 km = 22 miles. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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|--|---|------|-----|----------|-----------|--------------|--------------|-------------------------|-----|---------|-----------------------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | 2. DATE | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | MCCONNELL AIR FORCE BASE, KANSAS | | | | | | 4. COMMAND | AIR MOBILITY COMMAND | | | 5. AREA CONST COST INDEX |
| 1.01 | | | | | | | | | | | |
| 6. PERSONNEL | PERMANENT | | | STUDENTS | | | SUPPORTED | | | | |
| STRENGTH | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL | |
| a. As of 30 SEP 98 | 376 | 2226 | 394 | | | | 1 | | 82 | 3,079 | |
| b. End FY 2005 | 327 | 2186 | 407 | | | | 1 | | 82 | 3,003 | |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: | (3,103) | | | | | | | | | | |
| b. Inventory Total As Of: | (30 SEP 98) | | | | | | | | | 348,636 | |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | 10,550 | |
| d. Authorization Requested In This Program: | | | | | | | | | | 9,600 | |
| e. Authorization Included In Following Program: | (FY 2001) | | | | | | | | | 0 | |
| f. Planned In Next Four Program Years: | | | | | | | | | | 14,200 | |
| g. Remaining Deficiency: | | | | | | | | | | 55,400 | |
| h. Grand Total: | | | | | | | | | | 438,386 | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | PROJECT TITLE | | | | SCOPE | COST (\$000) | DESIGN START | STATUS CMPL | | | |
| 141-753 | KC-135 SQUADRON OPERATIONS AIRCRAFT MAINTENANCE UNIT | | | | 4,680 SM | 9,600 | AUG 98 | SEP 99 | | | |
| TOTAL: | | | | | | 9,600 | | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) NONE | | | | | | | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 211-173 | TWO BAY HANGAR | | | | 81,000 SF | 14,200 | | | | | |
| 10. Mission or Major Functions: An air refueling wing with four KC-135 squadrons; and an Air National Guard bomb wing with a B-1 squadron. | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | 0 | |
| b. Water pollution: | | | | | | | | | | 0 | |
| c. Occupational safety and health: | | | | | | | | | | 0 | |
| d. Other Environmental: | | | | | | | | | | 0 | |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | 13,934 | |

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|---|--|--|-------------------------|--------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | | 2. DATE |
| AIR FORCE | (computer generated) | | | |
| 3. INSTALLATION AND LOCATION | | 4. PROJECT TITLE | | |
| MCCONNELL AIR FORCE BASE, KANSAS | | KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | |
| 4.12.18 | 141-753 | PRQE985020 | AUTH: | 9,600 |
| | | | APPROP: | 2,280 |
| 9. COST ESTIMATES | | | | |
| ITEM | U/M | QUANTITY | UNIT COST | COST (\$000) |
| KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT | SM | 4,680 | 1,506 | 7,048 |
| SUPPORTING FACILITIES | | | | 1,558 |
| UTILITIES | LS | | | (352) |
| SITE IMPROVEMENTS | LS | | | (260) |
| PAVEMENTS | LS | | | (630) |
| DEMOLITION | SM | 966 | 120 | (116) |
| ELEVATOR | EA | 1 | 110,000 | (110) |
| COMM SUPPORT | LS | | | (90) |
| SUBTOTAL | | | | 8,606 |
| CONTINGENCY (5%) | | | | 430 |
| TOTAL CONTRACT COST | | | | 9,036 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | 515 |
| TOTAL REQUEST | | | | 9,551 |
| TOTAL REQUEST (ROUNDED) | | | | 9,600 |
| 10. Description of Proposed Construction: Two-story facility with concrete foundation, masonry walls, structural steel frame, sloping roof system, fire protection system, utilities, and an elevator. Includes briefing room, flight/planning operations, maintenance space, life support, tool crib, equipment and chemical storage areas, admin offices, and necessary support. Demolish one facility (966SM). Air Conditioning: 80 KW. | | | | |
| 11. REQUIREMENT: As required. <u>PROJECT</u> : Construct a squadron operations/aircraft maintenance unit (Sq Ops/AMU) facility. (Current Mission) <u>REQUIREMENT</u> : A facility is required that will house all functional elements of a KC-135 operational squadron. Space is required for operations and maintenance management support, briefing/debriefing, flight planning, training and testing, standardization/evaluation, locker rooms, life support, flying/ground safety, tool rooms, bench stock, mobility office, scheduling, and a technical order library. Space is also required for the active duty and associate Reserve aircraft generation squadron (AGS) and for the associate reserve Sortie Generation Flight (SGF) commanders and staffs and the Reserve life-support function. These efficiencies are essential to maintain mission tasking rates in the Air Mobility Command. <u>CURRENT SITUATION</u> : Squadron operations are located in three facilities and the aircraft maintenance units are located in four facilities. The physical separation creates fragmented lines of communications and authority. Aircrews and maintenance personnel spend many hours away from their duty location in an effort to obtain parts, organizational and | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS | | |
| 4. PROJECT TITLE KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT | 5. PROJECT NUMBER PRQE985020 | |
| <p>mobility equipment, and required training.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Operations, maintenance, and support personnel will remain in scattered and undersized buildings. The geographic separation will continue to hamper the lines of authority and communication throughout the squadron. Ultimately, these factors, in conjunction with the substandard working environment, will degrade daily operations and also adversely affect the ability of the squadron to generate and execute mission sorties in an efficient and effective manner to sustain Global Power.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Civil Engeneering Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: Lt Col Nancy Speake, (316) 652-5750. Squadron Operations/AMU facility: 4,680SM = 50,375SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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|---|--|---------|-------------------------|-----------|---|---|---------------------------------------|----|--------------------------|-----------|--------------------------|-----------|--|---|-------------------------------------|-----|---|----------|--|-----|----------------------------|-----|-----------|-----|--------------|-----|--------------|-----|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. PROJECT TITLE KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT | 5. PROJECT NUMBER PRQE985020 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>98 AUG 12</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>Y</td> </tr> <tr> <td>* (c) Percent Complete as of Jan 1999</td> <td>1%</td> </tr> <tr> <td>* (d) Date 35% Designed.</td> <td>99 MAY 01</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>99 SEP 27</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td>Y</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>YES</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>MCCONNEL</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>432</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>192</td> </tr> <tr> <td>(c) Total</td> <td>624</td> </tr> <tr> <td>(d) Contract</td> <td>500</td> </tr> <tr> <td>(e) In-house</td> <td>124</td> </tr> </table> <p>(4) Construction Start 00 FEB</p> <p>(5) Construction Completion 01 OCT</p> <p>* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> | | | (a) Date Design Started | 98 AUG 12 | (b) Parametric Cost Estimates used to develop costs | Y | * (c) Percent Complete as of Jan 1999 | 1% | * (d) Date 35% Designed. | 99 MAY 01 | (e) Date Design Complete | 99 SEP 27 | (f) Energy Study/Life-Cycle analysis was/will be performed | Y | (a) Standard or Definitive Design - | YES | (b) Where Design Was Most Recently Used - | MCCONNEL | (a) Production of Plans and Specifications | 432 | (b) All Other Design Costs | 192 | (c) Total | 624 | (d) Contract | 500 | (e) In-house | 124 |
| (a) Date Design Started | 98 AUG 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Parametric Cost Estimates used to develop costs | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * (c) Percent Complete as of Jan 1999 | 1% | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * (d) Date 35% Designed. | 99 MAY 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) Date Design Complete | 99 SEP 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (f) Energy Study/Life-Cycle analysis was/will be performed | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Standard or Definitive Design - | YES | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Where Design Was Most Recently Used - | MCCONNEL | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Production of Plans and Specifications | 432 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) All Other Design Costs | 192 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Total | 624 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (d) Contract | 500 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) In-house | 124 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | 2. DATE |
| AIR FORCE | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | POST FORT CAMPBELL, KENTUCKY | | | 4. COMMAND | AIR COMBAT COMMAND | | | 5. AREA CONST COST INDEX | 1.02 | |
| 6. PERSONNEL STRENGTH | PERMANENT | | | STUDENTS | | | SUPPORTED | | | TOTAL |
| | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | |
| a. As of 30 SEP 98 | 20 | 136 | 2 | | | | | | | 158 |
| b. End FY 2005 | 21 | 138 | 2 | | | | | | | 161 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | |
| a. Total Acreage: | (105,070) | | | | | | | | | |
| b. Inventory Total As Of: | (30 SEP 98) | | | | | | | | | 503,220 |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | 0 |
| d. Authorization Requested In This Program: | | | | | | | | | | 6,300 |
| e. Authorization Included In Following Program: | (FY 2001) | | | | | | | | | 0 |
| f. Planned In Next Four Program Years: | | | | | | | | | | 0 |
| g. Remaining Deficiency: | | | | | | | | | | 0 |
| h. Grand Total: | | | | | | | | | | 509,520 |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | |
| CATEGORY | | | | COST | | DESIGN STATUS | | | | |
| CODE | PROJECT TITLE | | | SCOPE | (\$000) | START | CMPL | | | |
| 141-753 | AIR SUPPORT OPERATIONS SQUADRON FACILITY | | | 3,370 SM | 6,300 | MAY 98 | JUL 99 | | | |
| TOTAL: | | | | | 6,300 | | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) NONE | | | | | | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | |
| 10. Mission or Major Functions: Consists of an Air Support Operations Squadron (ASOS) with a weather detachment. | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | 0 | |
| b. Water pollution: | | | | | | | | | 0 | |
| c. Occupational safety and health: | | | | | | | | | 0 | |
| d. Other Environmental: | | | | | | | | | 0 | |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | 0 |

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|--|--|---|-------------------------|-----------|--------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE | |
| AIR FORCE | | | | | |
| 3. INSTALLATION AND LOCATION | | 4. PROJECT TITLE | | | |
| FORT CAMPBELL, KENTUCKY | | AIR SUPPORT OPERATIONS SQUADRON FACILITY | | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 2.75.96 | 141-753 | HACC003013 | AUTH: | 6,300 | |
| | | | APPROP: | 1,472 | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| AIR SUPPORT OPERATIONS SQUADRON FACILITY | | SM | 3,370 | 1,315 | 4,432 |
| SUPPORTING FACILITIES | | | | | 1,201 |
| UTILITIES | | LS | | | (236) |
| PAVEMENTS | | LS | | | (442) |
| SITE IMPROVEMENTS | | LS | | | (128) |
| COVERED STORAGE FACILITY | | LS | | | (100) |
| HAZARDOUS MATERIAL STORAGE | | LS | | | (30) |
| COVERED STORAGE | | LS | | | (265) |
| SUBTOTAL | | | | | 5,633 |
| CONTINGENCY (5%) | | | | | 282 |
| TOTAL CONTRACT COST | | | | | 5,915 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 337 |
| TOTAL REQUEST | | | | | 6,252 |
| TOTAL REQUEST (ROUNDED) | | | | | 6,300 |
| 10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, masonry walls, roof system, fire protection system, utilities, site work, landscaping, parking and necessary support facilities. Air Conditioning: 132 KW. | | | | | |
| 11. REQUIREMENT: 3,370 SM ADEQUATE: 0 SUBSTANDARD: 2,880 SM PROJECT: Construct air support operations squadron facility. (Current Mission) REQUIREMENT: A facility to adequately support the administrative, training, vehicle and equipment maintenance, and storage requirements for the Air Support Operations Squadron located at Fort Campbell. This squadron provides garrison weather support and close air support for Army divisions, brigades, and battalions. It also maintains mission-ready air support operations personnel, radios, vehicles, and mobility equipment deployable worldwide. CURRENT SITUATION: The Air Support Operations Squadron at Fort Campbell currently occupies several condemned pre-World War II facilities. The buildings are in constant need of repair. They have no fire detection or suppression systems. The roofs, walls and flooring need replacing; many areas contain dry rot. There is a lack of covered vehicle parking and inadequate mobility and combat equipment storage; sensitive equipment is stored in inadequate storage containers. IMPACT IF NOT PROVIDED: Function will continue to work out of several separate facilities impacting unit efficiency and morale. Improper storage for vehicles and equipment results in faster deterioration and can potentially effect mission performance. | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION FORT CAMPBELL, KENTUCKY | | |
| 4. PROJECT TITLE AIR SUPPORT OPERATIONS SQUADRON FACILITY | 5. PROJECT NUMBER HACC003013 | |
| <p>ADDITIONAL: Only one alternative exists to meet this operational requirement, therefore an economic analysis is not required. Department of Public Works: Col James W. Delone (502) 798-9700. Air Support Operations Facility: 3,370 SM = 36,260 SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| AIR FORCE | | |
| 3. INSTALLATION AND LOCATION | | |
| FORT CAMPBELL, KENTUCKY | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER |
| AIR SUPPORT OPERATIONS SQUADRON FACILITY | | HACC003013 |
| 12. SUPPLEMENTAL DATA: | | |
| a. Estimated Design Data: | | |
| (1) Status: | | |
| (a) Date Design Started | | 98 MAY 12 |
| (b) Parametric Cost Estimates used to develop costs | | Y |
| * (c) Percent Complete as of Jan 1999 | | 15% |
| * (d) Date 35% Designed. | | 98 DEC 15 |
| (e) Date Design Complete | | 99 JUL 15 |
| (f) Energy Study/Life-Cycle analysis was/will be performed | | Y |
| (2) Basis: | | |
| (a) Standard or Definitive Design - | | NO |
| (b) Where Design Was Most Recently Used - | | N/A |
| (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) | | |
| (a) Production of Plans and Specifications | | 378 |
| (b) All Other Design Costs | | 189 |
| (c) Total | | 567 |
| (d) Contract | | 473 |
| (e) In-house | | 94 |
| (4) Construction Start | | 00 JAN |
| (5) Construction Completion | | 01 JUN |
| * Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability. | | |
| b. Equipment associated with this project will be provided from other appropriations: N/A | | |

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|---|---|------|------|----------|-----------|--------------|--------------|----------------------|-----|---------|-----------------------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | 2. DATE | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | KEESLER AIR FORCE BASE, MISSISSIPPI | | | | | | 4. COMMAND | AND TRAINING COMMAND | | | 5. AREA CONST COST INDEX |
| | | | | | | | | | | | 0.88 |
| 6. PERSONNEL | PERMANENT | | | STUDENTS | | | SUPPORTED | | | | |
| STRENGTH | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL | |
| a. As of 30 SEP 98 | 906 | 3608 | 2103 | 256 | 2179 | | 78 | 1680 | 84 | 10,894 | |
| b. End FY 2005 | 894 | 3460 | 1945 | 333 | 2339 | | 78 | 1680 | 84 | 10,813 | |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: | (1,611) | | | | | | | | | | |
| b. Inventory Total As Of: | (30 SEP 98) | | | | | | | | | 323,389 | |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | 0 | |
| d. Authorization Requested In This Program: | | | | | | | | | | 27,000 | |
| e. Authorization Included In Following Program: | (FY 2001) | | | | | | | | | 15,000 | |
| f. Planned In Next Four Program Years: | | | | | | | | | | 19,200 | |
| g. Remaining Deficiency: | | | | | | | | | | 13,400 | |
| h. Grand Total: | | | | | | | | | | 397,989 | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | PROJECT TITLE | | | | SCOPE | COST (\$000) | DESIGN START | STATUS CMPL | | | |
| CODE | | | | | | | | | | | |
| 721-312 | STUDENT DORMITORY | | | | 200 RM | 19,900 | APR 98 | SEP 99 | | | |
| 722-351 | STUDENT DINING FACILITY | | | | 1,500 PN | 7,100 | APR 98 | SEP 99 | | | |
| | | | | | TOTAL: | 27,000 | | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | |
| 171-623 | TECHNICAL TRAINING LAB/SHOP FACILITY | | | | 10,300 SM | 15,000 | | | | | |
| | | | | | TOTAL: | 15,000 | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 171-212 | C-130J FLIGHT SIMULATOR FACILITY | | | | LS | 7,000 | | | | | |
| 721-312 | DORMITORY | | | | 120 RM | 7,700 | | | | | |
| 740-674 | REPLACE FITNESS CENTER | | | | 2,350 SM | 4,500 | | | | | |
| 10. Mission or Major Functions: Headquarters Second Air Force; a training wing responsible for communications, electronics, and administrative courses and a C-12/C-21 airlift squadron responsible for aircrew training; an Air Force Materiel Command engineering installation group; an Air Force Reserve airlift wing with one C-130 airlift squadron and one WC-130 weather reconnaissance squadron; and a major Air Force medical center. | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | 40 | |
| b. Water pollution: | | | | | | | | | | 30 | |
| c. Occupational safety and health: | | | | | | | | | | 0 | |
| d. Other Environmental: | | | | | | | | | | 0 | |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | 35,212 | |

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|--|--|-------------------------|-------------------------|--------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE |
| AIR FORCE | | | | |
| 3. INSTALLATION AND LOCATION | | 4. PROJECT TITLE | | |
| KEESLER AIR FORCE BASE, MISSISSIPPI | | STUDENT DINING FACILITY | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | |
| 8.57.96 | 722-351 | MAHG003002 | BUDGET: | 7,100 |
| | | | APPROP: | 1,686 |
| 9. COST ESTIMATES | | | | |
| ITEM | U/M | QUANTITY | UNIT COST | COST (\$000) |
| STUDENT DINING FACILITY | | | | 5,083 |
| DINING FACILITY | SM | 2,950 | 1,679 | (4,953) |
| FOOD SERVICE ADMINISTRATION | SM | 130 | 1,000 | (130) |
| SUPPORTING FACILITIES | | | | 1,256 |
| UTILITIES | LS | | | (575) |
| PAVEMENTS | LS | | | (200) |
| SITE IMPROVEMENTS | LS | | | (221) |
| DEMOLITION | SM | 2,600 | 100 | (260) |
| SUBTOTAL | | | | 6,339 |
| CONTINGENCY (5%) | | | | 317 |
| TOTAL CONTRACT COST | | | | 6,656 |
| SUPERVISION, INSPECTION AND OVERHEAD (6%) | | | | 399 |
| TOTAL REQUEST | | | | 7,055 |
| TOTAL REQUEST (ROUNDED) | | | | 7,100 |
| EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD) | | | | (400) |
| 10. Description of Proposed Construction: Construct concrete frame building with pile foundation, CMU walls, and metal roof. Project includes dining facility, food service administrative offices, central pastry, and preparation kitchen, fire protection, sitework, pavements, and all necessary utilities. Demolish one warehouse facility (2,600 SM). Air Conditioning: 365 KW. | | | | |
| 11. REQUIREMENT: 3,000 PN ADEQUATE: 1,500 PN SUBSTANDARD: 1,500 PN PROJECT: Construct a student dining facility (Current Mission) REQUIREMENT: An adequately sized and configured dining facility is required to support students attending technical training. Facility provides space for food service operations, central preparation, pastry kitchens, and food service management. Facility must be located adjacent to living and classroom areas to meet strict student schedules dictated by training requirements. CURRENT SITUATION: As part of the "Triangle Vision" Master Plan, new dorms are being built to establish a campus for AF enlisted training out of the airfield clear zone. Three existing dining facilities serve 3000 students three times per day. Of the three, one new dining facility serves 1500 students. Two of the facilities are substandard and located within an airfield clear zone. These dormitory/dining facilities are 45 years old and have had no major renovations. This project will provide a 1500-person dining facility. This new dining facility must be in place before the existing substandard facilities can be demolished under future "Triangle Vision" projects. The two substandard facilities have inadequate lighting, the electrical and mechanical systems are obsolete, leaking roofs, and doors and windows require frequent maintenance. | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION KEESLER AIR FORCE BASE, MISSISSIPPI | | |
| 4. PROJECT TITLE STUDENT DINING FACILITY | 5. PROJECT NUMBER MAHG003002 | |
| <p>Asbestos and lead paint materials located throughout the dining facilities have deteriorated, causing severe safety and maintenance concerns. The current central preparation kitchen is located in a deteriorated warehouse to be demolished with this project. This project relocates the central pastry kitchen to the student dorm area to better serve overall base needs. The current food service administrative offices are also located in a student dormitory scheduled for demolition.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Failure to construct a dining facility to replace inadequate buildings scheduled for future demolition will severely impact operational efficiencies and the training mission for Keesler AFB. Students will remain in unsafe, deteriorated living/eating facilities which require high maintenance, are energy inefficient, and are located in the airfield clear zone.</p> <p><u>ADDITIONAL:</u> A certificate of exception to economic analysis has been prepared, because existing facilities are within the airfield clear zone and must be moved. No other option could meet the mission requirement: therefore no economic analysis was performed. This project meets the criteria/scope specified in Part 11 of Military Handbook 1190, "Facility Planning and Design Guide". Base Civil Engineer: Lt Col. Robert A. Upshur Jr. (228)377-2615. Student Dining Facility: 3,080 SM = 33,140 SF This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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|--|--|---------------------------------------|--------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | 2. DATE |
| AIR FORCE | (computer generated) | | |
| 3. INSTALLATION AND LOCATION | | | |
| KEESLER AIR FORCE BASE, MISSISSIPPI | | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER | |
| STUDENT DINING FACILITY | | MAHG003002 | |
| 12. SUPPLEMENTAL DATA: | | | |
| a. Estimated Design Data: | | | |
| (1) Status: | | | |
| (a) | Date Design Started | 98 APR 02 | |
| (b) | Parametric Cost Estimates used to develop costs | Y | |
| * (c) | Percent Complete as of Jan 1999 | 15% | |
| * (d) | Date 35% Designed. | 98 DEC 30 | |
| (e) | Date Design Complete | 99 SEP 15 | |
| (f) | Energy Study/Life-Cycle analysis was/will be performed | Y | |
| (2) Basis: | | | |
| (a) | Standard or Definitive Design - | YES | |
| (b) | Where Design Was Most Recently Used - | MAXWELL | |
| (3) | Total Cost (c) = (a) + (b) or (d) + (e): | | (\$000) |
| (a) | Production of Plans and Specifications | 320 | |
| (b) | All Other Design Costs | 142 | |
| (c) | Total | 462 | |
| (d) | Contract | 356 | |
| (e) | In-house | 106 | |
| (4) | Construction Start | 99 DEC | |
| (5) | Construction Completion | 01 JUN | |
| * Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability. | | | |
| b. Equipment associated with this project will be provided from other appropriations: | | | |
| EQUIPMENT NOMENCLATURE | PROCURING APPROPRIATION | FISCAL YEAR APPROPRIATED OR REQUESTED | COST (\$000) |
| KITCHEN EQUIPMENT | 3400 | 2000 | 400 |

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|---|--|-------------------|-------------------------|--------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE |
| AIR FORCE | | | | |
| 3. INSTALLATION AND LOCATION | | 4. PROJECT TITLE | | |
| KEESLER AIR FORCE BASE, MISSISSIPPI | | STUDENT DORMITORY | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | |
| 8.57.96 | 721-312 | MAHG003001 | AUTH: | 19,900 |
| | | | APPROP: | 4,679 |
| 9. COST ESTIMATES | | | | |
| ITEM | U/M | QUANTITY | UNIT COST | COST (\$000) |
| STUDENT DORMITORY (200 RM) | SM | 9,750 | | 10,705 |
| STUDENT DORMITORY | SM | 9,650 | 1,100 | (10,615) |
| TRAINING OFFICES | SM | 100 | 900 | (90) |
| SUPPORTING FACILITIES | | | | 7,175 |
| UTILITIES | LS | | | (975) |
| PAVEMENTS | LS | | | (858) |
| SITE IMPROVEMENTS | LS | | | (1,340) |
| DEMOLITION | SM | 46,000 | 50 | (2,300) |
| ASBESTOS ABATEMENT | SM | 46,000 | 37 | (1,702) |
| SUBTOTAL | | | | 17,880 |
| CONTINGENCY (5%) | | | | 894 |
| TOTAL CONTRACT COST | | | | 18,774 |
| SUPERVISION, INSPECTION AND OVERHEAD (6%) | | | | 1,126 |
| TOTAL REQUEST | | | | 19,900 |
| TOTAL REQUEST (ROUNDED) | | | | 19,900 |
| 10. Description of Proposed Construction: 3-story facility consisting of pile concrete foundation, concrete floor slabs, masonry walls, and metal roof. Project includes room-bath-room modules (two students per room), laundries, training manager's offices, fire protection, sitework, pavements and all necessary utilities. Demolish five buildings (46,000SM) Air Conditioning: 1100 KW. Grade Mix: 400 E1-E4. | | | | |
| 11. REQUIREMENT: 1,397 RM ADEQUATE: 1,198 RM SUBSTANDARD: 919 RM PROJECT: Construct a student dormitory (Current Mission) REQUIREMENT: Properly sized and configured dormitories are required to support the technical training of students. A major Air Force objective is to provide housing conducive to their proper rest, relaxation and personal well-being while providing a suitable study environment. Properly designed and furnished quarters are essential for the successful training of Air Force personnel. Dormitories also provide administrative space for military training managers responsible for constant supervision of student activities. CURRENT SITUATION: Students live in substandard 45-year-old facilities located in the airfield clear zone. These deteriorated dormitories have had no major renovations since their initial construction and do not meet current DOD design standards for enlisted personnel. They have central bathrooms, inadequate lighting, poor insulation, and defficient sound attenuation. The electrical and mechanical systems are obsolete. Inefficient mechanical systems coupled with non-insulated windows waste over \$200,000 in energy costs annually. Significant foundation settlement has caused several rooms to be condemned. Leaking roofs, poor plumbing, and inoperable doors and windows are major distractions for students | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION KEESLER AIR FORCE BASE, MISSISSIPPI | | |
| 4. PROJECT TITLE STUDENT DORMITORY | 5. PROJECT NUMBER MAHG003001 | |
| <p>trying to master Air Force specialties and missions. Existing three story dormitories with no fire suppression systems have dead-end corridors and ladder fire escapes which do not meet life safety codes. Asbestos and lead paint materials throughout the facilities are deteriorating, causing severe safety and maintenance concerns.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Students at Keesler will continue living in deplorable conditions with Life Safety Code violations, detrimentally impacting their training. High building maintenance and operation costs will continue to impact limited base resources and affect the accomplishment of mission related tasks. All of this will combine to seriously erode the quality of life of the students.</p> <p><u>ADDITIONAL:</u> This project is being designed to Air Force technical training "pipeline" construction standards. An Economic Analysis has been prepared comparing alternatives of new construction, revitalization, leasing and status quo. Based on the net present values and benefits of the respective alternatives, new construction was found to be most cost efficient over the life of the project. FY97 Unaccompanied Housing RPM conducted: \$1,360K; FY98 Unaccompanied Housing RPM conducted: \$3,950K. Base Civil Engineer: Lt Col Robert Upsher, (228) 377-2615. Student Dormitory: 9,750SM = 104,910SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| AIR FORCE | | |
| 3. INSTALLATION AND LOCATION | | |
| KEESLER AIR FORCE BASE, MISSISSIPPI | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER |
| STUDENT DORMITORY | | MAHG003001 |
| 12. SUPPLEMENTAL DATA: | | |
| a. Estimated Design Data: | | |
| (1) Status: | | |
| (a) Date Design Started | | 98 APR 02 |
| (b) Parametric Cost Estimates used to develop costs | | Y |
| * (c) Percent Complete as of Jan 1999 | | 15% |
| * (d) Date 35% Designed. | | 98 DEC 30 |
| (e) Date Design Complete | | 99 SEP 15 |
| (f) Energy Study/Life-Cycle analysis was/will be performed | | Y |
| (2) Basis: | | |
| (a) Standard or Definitive Design - | | YES |
| (b) Where Design Was Most Recently Used - | | KEESLER |
| (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) | | |
| (a) Production of Plans and Specifications | | 796 |
| (b) All Other Design Costs | | 398 |
| (c) Total | | 1194 |
| (d) Contract | | 896 |
| (e) In-house | | 298 |
| (4) Construction Start | | 00 MAR |
| (5) Construction Completion | | 02 JUN |
| * Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability. | | |
| b. Equipment associated with this project will be provided from other appropriations: N/A | | |

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|--|---|-------------------------------------|----------|--------------|--------------|-------------|--------------------|-----|-----|--------------------------|------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | 2. DATE | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | WHITEMAN AIR FORCE BASE, MISSOURI | | | 4. COMMAND | | | AIR COMBAT COMMAND | | | 5. AREA CONST COST INDEX | 1.04 |
| 6. PERSONNEL STRENGTH | PERMANENT | | | STUDENTS | | | SUPPORTED | | | TOTAL | |
| | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | | |
| a. As of 30 SEP 98 | 294 | 2703 | 616 | | | | 21 | 80 | 86 | 3,800 | |
| b. End FY 2005 | 314 | 3008 | 612 | | | | 21 | 80 | 86 | 4,121 | |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: | (5,219) | | | | | | | | | | |
| b. Inventory Total As Of: | (30 SEP 98) | | | | | | | | | 783,044 | |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | 0 | |
| d. Authorization Requested In This Program: | | | | | | | | | | 24,900 | |
| e. Authorization Included In Following Program: | (FY 2001) | | | | | | | | | 12,250 | |
| f. Planned In Next Four Program Years: | | | | | | | | | | 7,300 | |
| g. Remaining Deficiency: | | | | | | | | | | 62,820 | |
| h. Grand Total: | | | | | | | | | | 890,314 | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | CODE | PROJECT TITLE | SCOPE | COST (\$000) | DESIGN START | STATUS CMPL | | | | | |
| 211-159 | B-2 | LOW OBSERVABLE RESTORATION FACILITY | 6,000 SM | 23,000 | APR 98 | AUG 99 | | | | | |
| 740-674 | | PHYSICAL FITNESS CENTER | 836 SM | 1,900 | AUG 98 | SEP 99 | | | | | |
| | | TOTAL: | | 24,900 | | | | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | |
| 422-264 | B-2 | CONVENTIONAL MUNITIONS IGLOOS | 966 SM | 4,450 | | | | | | | |
| 422-275 | B-2 | MUNITIONS ASSEMBLY AREA | LS | 7,800 | | | | | | | |
| | | TOTAL: | | 12,250 | | | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 730-441 | | EDUCATION CENTER/LIBRARY | 465 SM | 5,100 | | | | | | | |
| 872-245 | | AIRFIELD FENCE/PERIMETER ROAD | 9,000 LM | 2,200 | | | | | | | |
| 10. Mission or Major Functions: A bomber wing with two squadrons of B-2 aircraft; and an Air Force Reserve fighter wing with one A/A0-10 squadron. | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | |
| a. | Air pollution: | | | | | | | | | 0 | |
| b. | Water pollution: | | | | | | | | | 0 | |
| c. | Occupational safety and health: | | | | | | | | | 0 | |
| d. | Other Environmental: | | | | | | | | | 0 | |
| 12. | Real Property Maintenance Backlog This Installation | | | | | | | | | 13,811 | |

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|---|--|---|--|-----------|--------------|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE | |
| 3. INSTALLATION AND LOCATION WHITEMAN AIR FORCE BASE, MISSOURI | | 4. PROJECT TITLE B-2 LOW OBSERVABLE RESTORATION FACILITY | | | |
| 5. PROGRAM ELEMENT 1.11.27 | 6. CATEGORY CODE 211-159 | 7. PROJECT NUMBER YWHG969002N3 | 8. PROJECT COST (\$000) BUDGET: 23,000 APPROP: 5,428 | | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| B-2 LOW OBSERVABLE RESTORATION FACILITY | | SM | 6,000 | 2,688 | 16,128 |
| SUPPORTING FACILITIES | | | | | 4,198 |
| UTILITIES | | LS | | | (1,400) |
| SITE IMPROVEMENTS | | LS | | | (490) |
| PAVEMENTS | | LS | | | (1,292) |
| SPECIAL FIRE PROTECTION SYSTEMS | | LS | | | (1,016) |
| SUBTOTAL | | | | | 20,326 |
| CONTINGENCY (5%) | | | | | 1,016 |
| TOTAL CONTRACT COST | | | | | 21,342 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 1,216 |
| TOTAL REQUEST | | | | | 22,558 |
| TOTAL REQUEST (ROUNDED) | | | | | 23,000 |
| EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD) | | | | | (790) |
| 10. Description of Proposed Construction: Reinforced concrete foundation, steel frame structure, with metal roof. Include two-bay hangar spaces, powered hangar doors, fire protection, prewired conduit for phone, data and security systems, ground points, filtration & decontamination, back-up power, hydraulics, conditioned air, and electrical power to the aircraft to accommodate painting and surface prep. Air Conditioning: 415 KW. | | | | | |
| 11. REQUIREMENT: 9,950 SM ADEQUATE: 3,943 SM SUBSTANDARD: 0 PROJECT: Construct a B-2 low observable restoration facility. (New Mission) REQUIREMENT: Two restoration spaces are required for B-2 aircraft undergoing restoration of low observable characteristics. The B-2 aircraft must periodically undergo this restoration, especially after routine maintenance work. To support extensive painting requirements, this facility will be equipped with an environmental control system to provide temperature and humidity controls for low observable maintenance. To protect maintenance personnel from carcinogenic material, the hangar will include an air ventilation and filtration system. The facility must also be secured to prevent unauthorized access. CURRENT SITUATION: Currently restoration is being accomplished in the corrosion control facility. This facility is inadequate for the task due to lack of proper ventilation/filtration and is therefore hazardous to the personnel working there. Additionally, with only half the total number of aircraft to be assigned onboard there is already an excessive wait to accomplish restoration work. No other facilities are available to provide covered spaces for this requirement. | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION WHITEMAN AIR FORCE BASE, MISSOURI | | |
| 4. PROJECT TITLE B-2 LOW OBSERVABLE RESTORATION FACILITY | 5. PROJECT NUMBER YWHG969002N3 | |
| <p><u>IMPACT IF NOT PROVIDED:</u> Because of the aircraft's low observable features, structural and propulsion maintenance tasks have to be performed frequently. Existing facilities provide inadequate capacity to handle current and future B-2 low observable maintenance requirements. Due to the extensive amount of low observable maintenance requirements, the wing will not be able to generate the number of mission capable aircraft within the demanded response time.</p> <p><u>ADDITIONAL:</u> All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. Base Civil Engineer: Lt Col Lawrence C. Brevard (816) 687-3503. Low Observable Restoration Facility: 6,000 SM = 64,560 SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | 2. DATE |
| AIR FORCE | (computer generated) | | |
| 3. INSTALLATION AND LOCATION | | | |
| WHITEMAN AIR FORCE BASE, MISSOURI | | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER | |
| B-2 LOW OBSERVABLE RESTORATION FACILITY | | YWHG969002N3 | |
| 12. SUPPLEMENTAL DATA: | | | |
| a. Estimated Design Data: | | | |
| (1) Status: | | | |
| (a) Date Design Started | | 98 APR 02 | |
| (b) Parametric Cost Estimates used to develop costs | | Y | |
| * (c) Percent Complete as of Jan 1999 | | 15% | |
| * (d) Date 35% Designed. | | 98 DEC 15 | |
| (e) Date Design Complete | | 99 AUG 13 | |
| (f) Energy Study/Life-Cycle analysis was/will be performed | | Y | |
| (2) Basis: | | | |
| (a) Standard or Definitive Design - | | NO | |
| (b) Where Design Was Most Recently Used - | | N/A | |
| (3) Total Cost (c) = (a) + (b) or (d) + (e): | | | (\$000) |
| (a) Production of Plans and Specifications | | 1380 | |
| (b) All Other Design Costs | | 690 | |
| (c) Total | | 2070 | |
| (d) Contract | | 1725 | |
| (e) In-house | | 345 | |
| (4) Construction Start | | 00 JAN | |
| (5) Construction Completion | | 02 JAN | |
| * Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability. | | | |
| b. Equipment associated with this project will be provided from other appropriations: | | | |
| EQUIPMENT NOMENCLATURE | PROCURING APPROPRIATION | FISCAL YEAR APPROPRIATED OR REQUESTED | COST (\$000) |
| FURNISHINGS | 3400 | 2001 | 790 |

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|---|--|-------------------------|-------------------------|--------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE |
| AIR FORCE | | | | |
| 3. INSTALLATION AND LOCATION | | 4. PROJECT TITLE | | |
| WHITEMAN AIR FORCE BASE, MISSOURI | | PHYSICAL FITNESS CENTER | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | |
| 2.75.96 | 740-674 | YWHG983001 | AUTH: | 1,900 |
| | | | APPROP: | 447 |
| 9. COST ESTIMATES | | | | |
| ITEM | U/M | QUANTITY | UNIT COST | COST (\$000) |
| PHYSICAL FITNESS CENTER | SM | 836 | 1,733 | 1,449 |
| SUPPORTING FACILITIES | | | | 248 |
| UTILITIES | LS | | | (80) |
| PAVEMENTS | LS | | | (88) |
| SITE IMPROVEMENTS | LS | | | (80) |
| SUBTOTAL | | | | 1,697 |
| CONTINGENCY (5%) | | | | 85 |
| TOTAL CONTRACT COST | | | | 1,782 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | 102 |
| TOTAL REQUEST | | | | 1,884 |
| TOTAL REQUEST (ROUNDED) | | | | 1,900 |
| EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD) | | | | (250) |
| 10. Description of Proposed Construction: Concrete spread footings, concrete floor foundation and slab, masonry block with brick veneer exterior walls, architectural appearance to match existing. Includes basketball/volleyball courts with running track, exercise and aerobic area, locker room expansion and upgrade, office space, storage space, mechanical room, fire protection, landscaping, and parking. Air Conditioning: 30 KW. | | | | |
| 11. REQUIREMENT: 3,631 SM ADEQUATE: 2,795 SM SUBSTANDARD: 0 PROJECT: Add to and alter physical fitness center. (Current Mission) REQUIREMENT: Added physical training and fitness facilities for an increased active and reserve military population. Adequate indoor space is required to support the fitness and recreational activities of Air Force members and their families. Functional and adequately-sized physical fitness centers are essential aspects of a modern living and working environment and are a key contributor to combat readiness and work place productivity. Facilities must accomodate physical training, conditioning, and recreation. Space must also be provided for structured programs, i.e., aerobics, weight management, and intramural programs. Where outdoor activities are limited or restricted by climate, indoor facilities are required for running and support activities. CURRENT SITUATION: Whiteman is located in rural west central Missouri with the nearest alternate fitness facilities located in Kansas City, more than 60 miles away. The B-2 and A-10 beddowns have increased the base population by some 150 active duty and 1200 reservists. The existing facility is in overflow use daily. Personnel must make reservations to use the court facilities, often several days in advance, due to the | | | | |

| | | |
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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION WHITEMAN AIR FORCE BASE, MISSOURI | | |
| 4. PROJECT TITLE PHYSICAL FITNESS CENTER | 5. PROJECT NUMBER YWHG983001 | |
| <p>overcrowded conditions. The Air Force fitness program has significantly increased the demand for indoor exercise facilities such as bikes, stair-steppers and weight machines. The 836 SM addition will reconfigure both the men's and women's locker rooms to provide more space. The men's locker room has a shortage of 135 lockers and the women's is short 22 lockers. The waiting time for a locker is currently 4 years. Public restrooms are not available in the facility. The fitness center is open 118 hours weekly and to date over 15% of the people wanting to utilize the facility are turned away due to unavailability of equipment and/or space.</p> <p><u>IMPACT IF NOT PROVIDED:</u> A physical training program of adequate quality and/or quantity cannot be sustained for active and reserve personnel. Inadequate facilities will adversely impact fitness/morale of personnel and their readiness/ability to perform assigned missions. Personnel assigned to relatively remote and cold weather locations will be denied the recreational opportunities available to their peers located elsewhere.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Base Civil Engineer: Lt Col Lawrence Brevard. Phone: 816-687-3503. Physical Fitness Center: 836 SM = 9,000 SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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|--|--|----------------------------|---|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | 2. DATE |
| AIR FORCE | (computer generated) | | |
| 3. INSTALLATION AND LOCATION | | | |
| WHITEMAN AIR FORCE BASE, MISSOURI | | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER | |
| PHYSICAL FITNESS CENTER | | YWHG983001 | |
| 12. SUPPLEMENTAL DATA: | | | |
| a. Estimated Design Data: | | | |
| (1) Status: | | | |
| (a) | Date Design Started | 98 | AUG 15 |
| (b) | Parametric Cost Estimates used to develop costs | | Y |
| * (c) | Percent Complete as of Jan 1999 | | 15% |
| * (d) | Date 35% Designed. | 98 | DEC 20 |
| (e) | Date Design Complete | 99 | SEP 10 |
| (f) | Energy Study/Life-Cycle analysis was/will be performed | | Y |
| (2) Basis: | | | |
| (a) | Standard or Definitive Design - | | NO |
| (b) | Where Design Was Most Recently Used - | | N/A |
| (3) | Total Cost (c) = (a) + (b) or (d) + (e): | | (\$000) |
| (a) | Production of Plans and Specifications | | 114 |
| (b) | All Other Design Costs | | 57 |
| (c) | Total | | 171 |
| (d) | Contract | | 143 |
| (e) | In-house | | 28 |
| (4) | Construction Start | 00 | FEB |
| (5) | Construction Completion | 01 | FEB |
| * Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability. | | | |
| b. Equipment associated with this project will be provided from other appropriations: | | | |
| | EQUIPMENT NOMENCLATURE | PROCURING APPROPRIATION | FISCAL YEAR APPROPRIATED OR REQUESTED |
| | | | COST (\$000) |
| | FITNESS/EXERCISE EQUIPMENT | 3400 | 2000 |
| | | | 250 |

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|---|--|---|------|--------------------|----------|-----|-----------------------------|-----------|--------------------------|--------|--------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | 2. DATE | | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | 4. COMMAND | | | 5. AREA CONST COST INDEX | | | | |
| OFFUTT AIR FORCE BASE, NEBRASKA | | | | AIR COMBAT COMMAND | | | 0.97 | | | | |
| 6. PERSONNEL | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| STRENGTH | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 98 | | 1670 | 6708 | 1335 | | | | 328 | 246 | 558 | 10,845 |
| b. End FY 2005 | | 1447 | 5947 | 1423 | | | | 328 | 246 | 558 | 9,949 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (1,923) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) 407,147 | | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: 0 | | | | | | | | | | | |
| d. Authorization Requested In This Program: 8,300 | | | | | | | | | | | |
| e. Authorization Included In Following Program: (FY 2001) 0 | | | | | | | | | | | |
| f. Planned In Next Four Program Years: 29,800 | | | | | | | | | | | |
| g. Remaining Deficiency: 17,650 | | | | | | | | | | | |
| h. Grand Total: 462,897 | | | | | | | | | | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | PROJECT TITLE | | | SCOPE | | COST (\$000) | | DESIGN STATUS | | |
| <u>CODE</u> | | | | | | | | | <u>START</u> <u>CMPL</u> | | |
| 721-312 | | DORMITORY | | | 120 RM | | 8,300 | | APR 98 AUG 99 | | |
| | | | | | | | TOTAL: | | 8,300 | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) NONE | | | | | | | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 130-142 | | FIRE/CRASH RESCUE STATION | | | 3,000 SM | | 7,300 | | | | |
| 721-312 | | DORMITORY | | | 120 RM | | 7,800 | | | | |
| 721-312 | | DORMITORY | | | 120 RM | | 8,100 | | | | |
| 740-884 | | CHILD DEVELOPMENT CENTER | | | 2,285 SM | | 6,600 | | | | |
| 10. Mission or Major Functions: A flying wing which consists of two RC-135/OC-135/WC-135 reconnaissance squadrons, two E-4/EC-135 airborne command and control squadrons which maintain a modified alert posture, C-21 aircraft; two intelligence squadrons; a space operations squadron; the Air Force Weather Agency; and the US Strategic Command. | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | 0 | |
| b. Water pollution: | | | | | | | | | | 0 | |
| c. Occupational safety and health: | | | | | | | | | | 0 | |
| d. Other Environmental: | | | | | | | | | | 0 | |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | 34,944 | |

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|--|--|-------------------|-------------------------|--------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE |
| AIR FORCE | | | | |
| 3. INSTALLATION AND LOCATION | | 4. PROJECT TITLE | | |
| OFFUTT AIR FORCE BASE, NEBRASKA | | DORMITORY | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | |
| 2.75.96 | 721-312 | SGBP960904 | AUTH: | 8,300 |
| | | | APPROP: | 1,941 |
| 9. COST ESTIMATES | | | | |
| ITEM | U/M | QUANTITY | UNIT COST | COST (\$000) |
| DORMITORY (120 RM) | SM | 3,960 | 1,487 | 5,889 |
| SUPPORTING FACILITIES | | | | 1,547 |
| UTILITIES | LS | | | (571) |
| PAVEMENTS | LS | | | (354) |
| SITE IMPROVEMENTS | LS | | | (622) |
| SUBTOTAL | | | | 7,436 |
| CONTINGENCY (5%) | | | | 372 |
| TOTAL CONTRACT COST | | | | 7,808 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | 445 |
| TOTAL REQUEST | | | | 8,253 |
| TOTAL REQUEST (ROUNDED) | | | | 8,300 |
| 10. Description of Proposed Construction: A three-story facility with reinforced concrete foundation and floor slabs, insulated maintenance-free exterior masonry walls, sound attenuation, and sloped roofs. Includes room-bath/kitchen-room modules, laundry rooms, storage, lounge areas, site work, communication, fire protection, expansion of pedestrian plaza, parking, recreation areas, landscaping, and all necessary support. Air Conditioning: 300 KW. Grade Mix: 120 E1-E4. | | | | |
| 11. REQUIREMENT: 1,444 RM ADEQUATE: 857 RM SUBSTANDARD: 0 PROJECT: Construct a dormitory. (Current Mission) REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. This project is in accordance with the Air Force Dormitory Master Plan. CURRENT SITUATION: The base has insufficient facilities to accommodate unaccompanied enlisted personnel in on-base housing. Local rentals and utilities are so expensive that enlisted personnel cannot afford to live in off-base housing. IMPACT IF NOT PROVIDED: Adequate living quarters which provide a level of privacy required for today's airmen will not be available, resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks construction standard known as "one-plus-one" established | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION OFFUTT AIR FORCE BASE, NEBRASKA | | |
| 4. PROJECT TITLE DORMITORY | 5. PROJECT NUMBER SGBP960904 | |
| <p>by OSD. All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. FY 1997 Unaccompanied Housing RPM Conducted: \$0K. FY 1998 Unaccompanied Housing RPM Conducted: \$1,378K. Base Civil Engineer: Lt Col John Fouser (402) 294-5500. Dormitory: 3,960 SM = 42,610 SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| AIR FORCE | | |
| 3. INSTALLATION AND LOCATION | | |
| OFFUTT AIR FORCE BASE, NEBRASKA | | |
| 4. PROJECT TITLE | 5. PROJECT NUMBER | |
| DORMITORY | SGBP960904 | |
| 12. SUPPLEMENTAL DATA: | | |
| a. Estimated Design Data: | | |
| (1) Status: | | |
| (a) Date Design Started | | 98 APR 02 |
| (b) Parametric Cost Estimates used to develop costs | | Y |
| * (c) Percent Complete as of Jan 1999 | | 15% |
| * (d) Date 35% Designed. | | 98 DEC 18 |
| (e) Date Design Complete | | 99 AUG 20 |
| (f) Energy Study/Life-Cycle analysis was/will be performed | | Y |
| (2) Basis: | | |
| (a) Standard or Definitive Design - | | YES |
| (b) Where Design Was Most Recently Used - | | MT HOME |
| (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) | | |
| (a) Production of Plans and Specifications | | 332 |
| (b) All Other Design Costs | | 166 |
| (c) Total | | 498 |
| (d) Contract | | 415 |
| (e) In-house | | 83 |
| (4) Construction Start | | 00 JAN |
| (5) Construction Completion | | 01 JUN |
| * Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability. | | |
| b. Equipment associated with this project will be provided from other appropriations: N/A | | |

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|---|---|--|-----------|--------------|--------------------|-------------|-----|-----------|-----|--------------------------|---------|--|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | | 2. DATE | |
| AIR FORCE | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | 4. COMMAND | | | | | 5. AREA CONST COST INDEX | | |
| NELLIS AIR FORCE BASE, NEVADA | | | | | AIR COMBAT COMMAND | | | | | 1.07 | | |
| 6. PERSONNEL STRENGTH | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | TOTAL | |
| | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | | |
| a. As of 30 SEP 98 | | 833 | 5464 | 923 | | | | 213 | 605 | 238 | 8,276 | |
| b. End FY 2005 | | 823 | 5496 | 906 | | | | 213 | 605 | 238 | 8,281 | |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | | |
| a. Total Acreage: (11,259) | | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) | | | | | | | | | | 530,712 | | |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | 0 | | |
| d. Authorization Requested In This Program: | | | | | | | | | | 18,600 | | |
| e. Authorization Included In Following Program: (FY 2001) | | | | | | | | | | 0 | | |
| f. Planned In Next Four Program Years: | | | | | | | | | | 32,104 | | |
| g. Remaining Deficiency: | | | | | | | | | | 35,650 | | |
| h. Grand Total: | | | | | | | | | | 617,066 | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | | |
| CATEGORY | CODE | PROJECT TITLE | SCOPE | COST (\$000) | DESIGN START | STATUS CMPL | | | | | | |
| | 211-152 | F-22 AIRCRAFT MAINTENANCE HANGAR | 3,250 SM | 7,800 | SEP 96 | AUG 99 | | | | | | |
| | 211-152 | F-22 COMPOSITE AND FABRICATION SHOP | 1,500 SM | 7,500 | APR 98 | AUG 99 | | | | | | |
| | 442-758 | F-22 PARTS WAREHOUSE AND OPERATIONS ADDITION | 1,200 SM | 3,300 | APR 98 | AUG 99 | | | | | | |
| | | | | TOTAL: | 18,600 | | | | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) NONE | | | | | | | | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | | |
| | 141-753 | HH-60 SQUADRON OPERATIONS AND MAINTENANCE FACILITY | 12,400 SM | 4,500 | | | | | | | | |
| | 171-211 | WEAPONS SCHOOL | 2,765 SM | 7,350 | | | | | | | | |
| | 216-642 | F-22 MUNITIONS MAINTENANCE FACILITY | 600 SM | 1,900 | | | | | | | | |
| | 724-415 | TRANSIENT DORMITORY | 225 RM | 16,354 | | | | | | | | |
| | 740-674 | RENOVATE PHYSICAL FITNESS CENTER | 1,500 SM | 2,000 | | | | | | | | |
| 10. Mission or Major Functions: Air Warfare Center; a flying wing that includes the Weapons School for the following (A-10, B-1, B-52, F-15C/Es, F-16C, HH-60, Command and Control, intelligence, and Space Weapons), an adversary threat group (Red Flag), a test squadron (A-10, F-15, and F-16 aircraft), the USAF Air Demonstration Squadron (Thunderbirds), and a HH-60 rescue squadron; Air Force Combat Rescue School; a close air support training unit (Air Warrior), a Red Horse squadron; AF Materiel Command Munitions squadron, and an Air-to-Ground Operations School (AGOS). | | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | 0 | | |
| b. Water pollution: | | | | | | | | | | 0 | | |
| c. Occupational safety and health: | | | | | | | | | | 8,100 | | |
| d. Other Environmental: | | | | | | | | | | 0 | | |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | 20,113 | | |

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|---|------------------|--|----------------------------------|-----------|--------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | 2. DATE | |
| AIR FORCE | | (computer generated) | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| NELLIS AIR FORCE BASE, NEVADA | | | F-22 AIRCRAFT MAINTENANCE HANGAR | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 6.42.39 | 211-152 | RKMF993007 | AUTH. | 7,800 | |
| | | | APPROP: | 1,859 | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| F-22 AIRCRAFT MAINTENANCE HANGAR | | LS | | | 5,208 |
| AIRCRAFT ORGANIZATIONAL MAINT | | SM | 1,200 | 1,350 | (1,620) |
| SMALL ACF MAINTENANCE DOCK | | SM | 2,050 | 1,750 | (3,588) |
| SUPPORTING FACILITIES | | | | | 1,849 |
| UTILITIES | | LS | | | (275) |
| SITE IMPROVEMENTS | | LS | | | (350) |
| PAVEMENTS | | LS | | | (200) |
| ASBESTOS REMOVAL/DEMOLISH BUILDING | | LS | | | (405) |
| SPECIAL FIRE PROTECTION SYSTEMS | | LS | | | (444) |
| SECURITY | | LS | | | (175) |
| SUBTOTAL | | | | | 7,057 |
| CONTINGENCY (5%) | | | | | 353 |
| TOTAL CONTRACT COST | | | | | 7,410 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 422 |
| TOTAL REQUEST | | | | | 7,832 |
| TOTAL REQUEST (ROUNDED) | | | | | 7,800 |
| 10. Description of Proposed Construction: Reinforced concrete foundation, split-faced block walls, standing seam metal roof, secure work areas, fire suppression/detection, asbestos removal and demolition of existing wood frame hangar (2,335 SM), and all support utilities. Air Conditioning: 100 KW. | | | | | |
| 11. REQUIREMENT: 3,250 SM ADEQUATE: 0 SUBSTANDARD: 3,750 SM PROJECT: Construct F-22 aircraft maintenance hangar. (New Mission) REQUIREMENT: An adequately sized and configured composite maintenance shop and aircraft hangar is required to support the beddown of the next generation multi-roled F-22 Fighter at Nellis AFB. The F-22 is designed with state-of-the-art technology and composite materials to meet stealth mission requirements. These composites have unique equipment and materials for maintenance and repair that require a specialized facility. CURRENT SITUATION: Nellis AFB does not have facilities suitable for use as a secure F-22 aircraft maintenance dock and squadron maintenance facility. The existing wood framed maintenance hangar does not have adequate fire protection, security, and HVAC systems to support maintenance and repair requirements and will be demolished under this project. IMPACT IF NOT PROVIDED: Adequate facilities will not be available to perform essential maintenance and repair on the F-22 aircraft. Since there are no acceptable workarounds, high-risk solutions will be implemented that may compromise the high-tech avionics and composite materials in the Air Force's newest air superiority fighter. ADDITIONAL: Only one alternative exists to meet this operational requirement, therefore an economic analysis is not required. A | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION NELNIS AIR FORCE BASE, NEVADA | | |
| 4. PROJECT TITLE F-22 AIRCRAFT MAINTENANCE HANGAR | 5. PROJECT NUMBER RKMF993007 | |
| <p>certificate of exception has been prepared. BASE CIVIL ENGINEER: Col Charles B. Fisher, (702) 652-4833. Aircraft Organizational Maintenance: 1,200 SM = 12,910 SF; Aircraft Maintenance Dock: 2,050 SM = 22,060 SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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|--|--|---------|-------------------------|-----------|---|---|---------------------------------------|-----|--------------------------|-----------|--------------------------|-----------|--|---|-------------------------------------|----|---|-----|--|-----|----------------------------|-----|-----------|-----|--------------|-----|--------------|-----|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION NELLIS AIR FORCE BASE, NEVADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. PROJECT TITLE F-22 AIRCRAFT MAINTENANCE HANGAR | 5. PROJECT NUMBER RKMF993007 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>96 SEP 26</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>Y</td> </tr> <tr> <td>* (c) Percent Complete as of Jan 1999</td> <td>15%</td> </tr> <tr> <td>* (d) Date 35% Designed.</td> <td>97 FEB 15</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>99 AUG 25</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td>Y</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>468</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>234</td> </tr> <tr> <td>(c) Total</td> <td>702</td> </tr> <tr> <td>(d) Contract</td> <td>585</td> </tr> <tr> <td>(e) In-house</td> <td>117</td> </tr> </table> <p>(4) Construction Start 00 JAN</p> <p>(5) Construction Completion 01 JUN</p> <p>* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> | | | (a) Date Design Started | 96 SEP 26 | (b) Parametric Cost Estimates used to develop costs | Y | * (c) Percent Complete as of Jan 1999 | 15% | * (d) Date 35% Designed. | 97 FEB 15 | (e) Date Design Complete | 99 AUG 25 | (f) Energy Study/Life-Cycle analysis was/will be performed | Y | (a) Standard or Definitive Design - | NO | (b) Where Design Was Most Recently Used - | N/A | (a) Production of Plans and Specifications | 468 | (b) All Other Design Costs | 234 | (c) Total | 702 | (d) Contract | 585 | (e) In-house | 117 |
| (a) Date Design Started | 96 SEP 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Parametric Cost Estimates used to develop costs | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * (c) Percent Complete as of Jan 1999 | 15% | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * (d) Date 35% Designed. | 97 FEB 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) Date Design Complete | 99 AUG 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (f) Energy Study/Life-Cycle analysis was/will be performed | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Standard or Definitive Design - | NO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Where Design Was Most Recently Used - | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Production of Plans and Specifications | 468 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) All Other Design Costs | 234 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Total | 702 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (d) Contract | 585 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) In-house | 117 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|--|--|--|-------------------|-------------------------------------|----------|---------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE | |
| AIR FORCE | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | 4. PROJECT TITLE | | |
| NELLIS AIR FORCE BASE, NEVADA | | | | F-22 COMPOSITE AND FABRICATION SHOP | | |
| 5. PROGRAM ELEMENT | | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 6.42.39 | | 211-152 | RKMF003005 | AUTH: | 7,500 | |
| | | | | APPROP: | 1,756 | |
| 9. COST ESTIMATES | | | | | | |
| ITEM | | | | U/M | QUANTITY | COST (\$000) |
| F-22 COMPOSITE AND FABRICATION SHOP | | | | LS | | 5,383 |
| COMPOSITE/STRUCTURES/FABRICATION SHOP | | | | SM | 1,500 | 1,800 (2,700) |
| L/O CORROSION CONTROL INSERT | | | | LS | | (1,200) |
| ALTER A-10 PARTS STORE | | | | LS | | (200) |
| HH-60 PARTS STORE | | | | SM | 750 | 991 (743) |
| ALTER L/O CORROSION CONTROL SPT SHOPS | | | | SM | 600 | 900 (540) |
| SUPPORTING FACILITIES | | | | | | 1,337 |
| DEMOLITION | | | | SM | 1,115 | 120 (134) |
| UTILITIES/PAVEMENTS | | | | LS | | (953) |
| FORCE PROTECTION/ANTITERRORISM/SITE WK | | | | LS | | (250) |
| SUBTOTAL | | | | | | 6,720 |
| CONTINGENCY (5%) | | | | | | 336 |
| TOTAL CONTRACT COST | | | | | | 7,056 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | | 402 |
| TOTAL REQUEST | | | | | | 7,458 |
| TOTAL REQUEST (ROUNDED) | | | | | | 7,500 |
| 10. Description of Proposed Construction: Construct composite/structures facility; install corrosion control insert; alter Bldg. 270, 252 and 256; and construct HH-60 parts store. Provides reinforced concrete foundation, standing seam metal roof, masonry walls, lead paint & asbestos removal, secure work areas, landscaping, pavements & necessary support. Demolish one facility (1115SM). Force protection includes parking 25M from bldg. Air Conditioning: 100 KW. | | | | | | |
| 11. REQUIREMENT: 1,500 SM ADEQUATE: 0 SUBSTANDARD: 0 PROJECT: F-22 composite and fabrication shop. (New Mission) REQUIREMENT: An adequately sized and configured composite maintenance and fabrication shop is required to support the beddown of the next generation multi-rolled F-22 fighter. The F-22 is designed with state-of-the-art technology and composite materials to meet stealth mission requirements. These composites have unique equipment and materials for maintenance and repair that require a specialized facility. In addition, due to the classified mission of the F-22 and the quick burn rate of composite materials, the facility will require a special corrosion control insert, security measures, and specialized HVAC system. This project supports aircraft delivery in 2002. In addition, personnel and equipment are scheduled to arrive in 2001. A total of 17 F-22 fighter aircraft and over 300 personnel are programmed to be based at Nellis AFB. Based on threat assessment conducted 25 Jun 98 at Nellis AFB, the following force protection measures are required: parking lots shall be a minimum of 25 meters from the building. CURRENT SITUATION: There are no facilities that meet or support maintenance and repair of stealthy composite materials associated with the | | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION NELLIS AIR FORCE BASE, NEVADA | | |
| 4. PROJECT TITLE F-22 COMPOSITE AND FABRICATION SHOP | 5. PROJECT NUMBER RKMF003005 | |
| <p>F-22 weapon system. In addition, facilities do not have adequate fire protection/detection and security to support this program. This project consolidates low observable corrosion control functions with composite repair, structures and fabrication shops. Project also demolishes one 1,115 SM facility to allow for new construction. Displaced A-10/ HH-60 parts stores and mission readiness support packages will be relocated.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Adequate facilities will not be available to perform essential maintenance and repair of the F-22 aircraft. There are no known workarounds for the unique maintenance requirements of the composite materials.</p> <p><u>ADDITIONAL:</u> Only one alternative exists to meet this operational requirement, therefore an economic analysis is not required. A certificate of exception has been prepared. Base Civil Engineer: Col Charles B. Fisher (702) 652-4833. Composite Fabrication Shop: 1,500 SM = 16,140 SF; HH-60 Parts Store: 750 SM = 8,070 SF; Low Observable Corrosion Control Support Shops: 600 SM = 6,460SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---------|-------------------------|-----------|---|---|---------------------------------------|-----|--------------------------|-----------|--------------------------|-----------|--|---|-------------------------------------|----|---|-----|--|-----|----------------------------|-----|-----------|-----|--------------|-----|--------------|-----|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION NELLIS AIR FORCE BASE, NEVADA | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. PROJECT TITLE F-22 COMPOSITE AND FABRICATION SHOP | 5. PROJECT NUMBER RKMF003005 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>98 APR 02</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>Y</td> </tr> <tr> <td>* (c) Percent Complete as of Jan 1999</td> <td>15%</td> </tr> <tr> <td>* (d) Date 35% Designed.</td> <td>98 JUL 20</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>99 AUG 25</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td>Y</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>450</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>225</td> </tr> <tr> <td>(c) Total</td> <td>675</td> </tr> <tr> <td>(d) Contract</td> <td>563</td> </tr> <tr> <td>(e) In-house</td> <td>112</td> </tr> </table> <p>(4) Construction Start 00 JAN</p> <p>(5) Construction Completion 01 JUN</p> <p>* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> | | | (a) Date Design Started | 98 APR 02 | (b) Parametric Cost Estimates used to develop costs | Y | * (c) Percent Complete as of Jan 1999 | 15% | * (d) Date 35% Designed. | 98 JUL 20 | (e) Date Design Complete | 99 AUG 25 | (f) Energy Study/Life-Cycle analysis was/will be performed | Y | (a) Standard or Definitive Design - | NO | (b) Where Design Was Most Recently Used - | N/A | (a) Production of Plans and Specifications | 450 | (b) All Other Design Costs | 225 | (c) Total | 675 | (d) Contract | 563 | (e) In-house | 112 |
| (a) Date Design Started | 98 APR 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Parametric Cost Estimates used to develop costs | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * (c) Percent Complete as of Jan 1999 | 15% | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * (d) Date 35% Designed. | 98 JUL 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) Date Design Complete | 99 AUG 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (f) Energy Study/Life-Cycle analysis was/will be performed | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Standard or Definitive Design - | NO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Where Design Was Most Recently Used - | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Production of Plans and Specifications | 450 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) All Other Design Costs | 225 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Total | 675 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (d) Contract | 563 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) In-house | 112 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|---|------------------|--|--|-----------|--------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | 2. DATE | |
| AIR FORCE | | (computer generated) | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| NELLIS AIR FORCE BASE, NEVADA | | | F-22 PARTS WAREHOUSE AND OPERATIONS ADDITION | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 6.42.39 | 442-758 | RKMF003007 | AUTH: 3,300 | | |
| | | | APPROP: 773 | | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| F-22 PARTS WAREHOUSE AND OPERATIONS ADDITION | | SM | 1,800 | | 2,292 |
| F-22 PARTS WAREHOUSE | | SM | 1,200 | 960 | (1,152) |
| F-22 TEST OPERATIONS ADDITION | | SM | 600 | 1,900 | (1,140) |
| SUPPORTING FACILITIES | | | | | 659 |
| UTILITIES | | LS | | | (279) |
| PAVEMENTS | | LS | | | (160) |
| SITE IMPROVEMENTS | | LS | | | (100) |
| FORCE PROTECTION/ANTITERRORISM | | LS | | | (120) |
| SUBTOTAL | | | | | 2,951 |
| CONTINGENCY (5%) | | | | | 148 |
| TOTAL CONTRACT COST | | | | | 3,099 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 177 |
| TOTAL REQUEST | | | | | 3,276 |
| TOTAL REQUEST (ROUNDED) | | | | | 3,300 |
| EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD) | | | | | (500) |
| 10. Description of Proposed Construction: Reinforced concrete foundation, split-face masonry walls, standing seam metal roof, secure storage, and fire detection system for 1,200 SM highbay warehouse and 600 SM addition to 422 Test Evaluation Squadron. Includes all utilities and necessary support. Force protection measures include parking lots 25 meters from building and glass entry doors coated with mylar. Air Conditioning: 30 KW. | | | | | |
| 11. REQUIREMENT: 1,800 SM ADEQUATE: 0 SUBSTANDARD: 0 PROJECT: F-22 parts warehouse and operations addition. (New Mission) REQUIREMENT: An adequately sized and configured F-22 aircraft parts store/warehouse and F-22 operational test facility is required to support the beddown of the next generation multi-roled F-22 fighter. Adequate base supply facilities are required for material handling and base supply inventory control. An adequate support area is required for inventory control of assets. A decentralized flightline warehouse is required for direct support of aircraft maintenance. An adequate operations facility is required to accomplish follow-on test and evaluation for the F-22 weapon system. These tests are instrumental for the development of weapons tactics and employment for the Combat Air Force. Based on a threat assessment conducted 25 Jun 98 at Nellis AFB, the following force proection measures are required: parking lots will be at least 25 meters from the facility, glass entry doors will be coated with mylar film, and the commander's office will be located on the interior of the building. CURRENT SITUATION: The base currently supports the operational test and evaluation and the Weapons School requirements for over 15 diversified weapon systems. This leaves no excess or adequate facilities that can be | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION NELLIS AIR FORCE BASE, NEVADA | | |
| 4. PROJECT TITLE F-22 PARTS WAREHOUSE AND OPERATIONS ADDITION | 5. PROJECT NUMBER RKMF003007 | |
| <p>economically converted to support this beddown. Inefficient and inadequate storage space requires excessive handling of supplies and storage outside in harsh weather. Supplies and equipment used for flightline maintenance are continually trucked to maintenance hangars, requiring two delivery vehicles to support the maintenance mission.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Base supply operations and operational test functions will continue to operate in undersized, inefficient facilities. Equipment and supplies will continue to deteriorate from harsh weather. Extra manhours will be required to manage the supply function. Supply personnel will continue to work in overcrowded, unsafe facilities impacting health, morale and productivity. The follow-on test and evaluation mission will be severely degraded resulting in delays in the full evaluation and testing of the aircrafts weapons tactics and employments.</p> <p><u>ADDITIONAL:</u> Only one alternative exists to meet this operational requirement, therefore an economic analysis is not required. A certificate of exception has been prepared. Base Civil Engineer: Col Charles B. Fisher (702) 652-4833. Parts Warehouse: 1,200 SM = 12,910 SF; Test Operations Addition: 600 SM = 6,460 SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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|--|--|----------------------------|---|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE |
| AIR FORCE | | | |
| 3. INSTALLATION AND LOCATION | | | |
| NELLIS AIR FORCE BASE, NEVADA | | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER | |
| F-22 PARTS WAREHOUSE AND OPERATIONS ADDITION | | RKMF003007 | |
| 12. SUPPLEMENTAL DATA: | | | |
| a. Estimated Design Data: | | | |
| (1) Status: | | | |
| (a) | Date Design Started | 98 APR 02 | |
| (b) | Parametric Cost Estimates used to develop costs | Y | |
| * (c) | Percent Complete as of Jan 1999 | 15% | |
| * (d) | Date 35% Designed. | 98 JUL 20 | |
| (e) | Date Design Complete | 99 AUG 25 | |
| (f) | Energy Study/Life-Cycle analysis was/will be performed | Y | |
| (2) Basis: | | | |
| (a) | Standard or Definitive Design - | NO | |
| (b) | Where Design Was Most Recently Used - | N/A | |
| (3) | Total Cost (c) = (a) + (b) or (d) + (e): | | (\$000) |
| (a) | Production of Plans and Specifications | 198 | |
| (b) | All Other Design Costs | 99 | |
| (c) | Total | 297 | |
| (d) | Contract | 248 | |
| (e) | In-house | 49 | |
| (4) | Construction Start | 00 JAN | |
| (5) | Construction Completion | 01 JAN | |
| * Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability. | | | |
| b. Equipment associated with this project will be provided from other appropriations: | | | |
| | EQUIPMENT NOMENCLATURE | PROCURING APPROPRIATION | FISCAL YEAR APPROPRIATED OR REQUESTED |
| | | | COST (\$000) |
| | FURNISHINGS | 3400 | 2000 250 |
| | MATERIAL HANDLING SYSTEM | 3080 | 2001 100 |
| | SECURITY/INFO MGMT SYSTEMS | 3400 | 2001 150 |

| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | 2. DATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|----------|--------------|---------------|--------|-------------------------|-----|-----|--------------------|---------|-----|-------|---------------|-------|--------------|---------------|--|--|--|--|-------|------|---------|-------------------|----------|--------|--------|--------|--------|--|--|--------|--|--|--|--|--|--|--|--|---------|----------------|----------|--------|--|--|--------|--|--|--------|--|--|---|--|--|--|--|--|---------|------------------------------------|----------|--------|--|--|
| AIR FORCE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | | 4. COMMAND | | | 5. AREA CONST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MCGUIRE AIR FORCE BASE, NEW JERSEY | | | | | | AIR MOBILITY COMMAND | | | COST INDEX 1.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. PERSONNEL | | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STRENGTH | | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. As of 30 SEP 98 | | | 603 | 3949 | 1415 | | | | 91 | 312 | 132 | 6,502 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. End FY 2005 | | | 606 | 3894 | 1374 | | | | 91 | 312 | 132 | 6,409 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Total Acreage: (3,661) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) 262,921 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d. Authorization Requested In This Program: 11,800 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| e. Authorization Included In Following Program: (FY 2001) 10,200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| f. Planned In Next Four Program Years: 10,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| g. Remaining Deficiency: 57,220 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| h. Grand Total: 352,141 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CATEGORY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>CODE</th> <th>PROJECT TITLE</th> <th>SCOPE</th> <th>COST (\$000)</th> <th>DESIGN STATUS</th> </tr> <tr> <th></th> <th></th> <th></th> <th></th> <th>START</th> <th>CMPL</th> </tr> </thead> <tbody> <tr> <td>721-315</td> <td>VISITING QUARTERS</td> <td>3,850 SM</td> <td>11,800</td> <td>JAN 99</td> <td>SEP 99</td> </tr> <tr> <td colspan="3">TOTAL:</td> <td>11,800</td> <td></td> <td></td> </tr> <tr> <td colspan="6">9a. Future Projects: Included in the Following Program (FY 2001)</td> </tr> <tr> <td>740-674</td> <td>FITNESS CENTER</td> <td>4,750 SM</td> <td>10,200</td> <td></td> <td></td> </tr> <tr> <td colspan="3">TOTAL:</td> <td>10,200</td> <td></td> <td></td> </tr> <tr> <td colspan="6">9b. Future Projects: Typical Planned Next Four Years:</td> </tr> <tr> <td>730-441</td> <td>EDUCATION CENTER/TRAINING FACILITY</td> <td>4,370 SM</td> <td>10,000</td> <td></td> <td></td> </tr> </tbody> </table> | | | | | | | | | | | | CODE | PROJECT TITLE | SCOPE | COST (\$000) | DESIGN STATUS | | | | | START | CMPL | 721-315 | VISITING QUARTERS | 3,850 SM | 11,800 | JAN 99 | SEP 99 | TOTAL: | | | 11,800 | | | 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | 740-674 | FITNESS CENTER | 4,750 SM | 10,200 | | | TOTAL: | | | 10,200 | | | 9b. Future Projects: Typical Planned Next Four Years: | | | | | | 730-441 | EDUCATION CENTER/TRAINING FACILITY | 4,370 SM | 10,000 | | |
| CODE | PROJECT TITLE | SCOPE | COST (\$000) | DESIGN STATUS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | START | CMPL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 721-315 | VISITING QUARTERS | 3,850 SM | 11,800 | JAN 99 | SEP 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL: | | | 11,800 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 740-674 | FITNESS CENTER | 4,750 SM | 10,200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL: | | | 10,200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 730-441 | EDUCATION CENTER/TRAINING FACILITY | 4,370 SM | 10,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10. Mission or Major Functions: HQ 21st Air Force; an air mobility wing with two C-141 squadrons and two KC-10 squadrons; an Air Mobility Operations Group (AMOG), the Air Mobility Command Mobility Warfare Center; an Air Force Reserve C-141/KC-10 associate air mobility wing; and a NJ-ANG air refueling wing with two KC-135 squadrons. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. Air pollution: 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. Water pollution: 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c. Occupational safety and health: 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d. Other Environmental: 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12. Real Property Maintenance Backlog This Installation 58,300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|---|------------------|--|-------------------------|-----------|--------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE | |
| AIR FORCE | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| MCGUIRE AIR FORCE BASE, NEW JERSEY | | | VISITING QUARTERS | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 4.18.96 | 721-315 | PTFL963009 | AUTH: | 11,800 | |
| | | | APPROP: | 2,765 | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| VISITING QUARTERS | | | | | 7,396 |
| VISITING QUARTERS | | SM | 3,850 | 1,786 | (6,876) |
| RELOCATE BALLFIELDS | | EA | 9 | 57,778 | (520) |
| SUPPORTING FACILITIES | | | | | 3,147 |
| UTILITIES | | LS | | | (731) |
| PAVEMENTS/SITE IMPROVEMENTS | | LS | | | (1,090) |
| ELEVATOR | | EA | 1 | 150,000 | (150) |
| COMMUNICATIONS SPT | | LS | | | (200) |
| DEMOLITION | | SM | 4,672 | 209 | (976) |
| SUBTOTAL | | | | | 10,543 |
| CONTINGENCY (5%) | | | | | 527 |
| TOTAL CONTRACT COST | | | | | 11,070 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 631 |
| TOTAL REQUEST | | | | | 11,701 |
| TOTAL REQUEST (ROUNDED) | | | | | 11,800 |
| 10. Description of Proposed Construction: Three-story steel frame structure with reinforced concrete foundation, brick exterior, sloped metal roof, and elevator. Contains living areas in a room-bath configuration, registration desk with reception and housekeeping, laundry, maintenance and utility spaces. Work includes asbestos removal, disposal, & necessary support. Relocate ballfields. Demolish 2 facilities(4672 SM) Air Conditioning: 120 KW. | | | | | |
| 11. REQUIREMENT: 529 PN ADEQUATE: 94 PN SUBSTANDARD: 752 PN PROJECT: Construct visiting quarters. (Current Mission) REQUIREMENT: Adequate living quarters are required to accommodate the typical number of transient personnel plus students attending the Air Mobility Warfare Center. Additional space is required to support the Unit Training Assembly (UTA) requirements generated by the Air Force Reserves and Air National Guard. On-base quarters are essential to provide the environment conducive to successful accomplishment of the increasingly complicated and important jobs these personnel must perform. Space is required for living, administration, housekeeping, guest laundry, reception and lobby area. In addition, an elevator is required to comply with the Americans with Disabilities Act of 1990. It is essential to provide adequate visiting quarters in support of the daily operational requirements generated by the Total Force transient personnel. CURRENT SITUATION: McGuire AFB can accommodate 846 transient personnel. Only 94 of these spaces are adequate. Existing visiting quarters were constructed in the mid 1950's and have deteriorated to the point they cannot be economically upgraded. These facilities still have central latrines and have unreliable electrical and mechanical systems. The | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION MCGUIRE AIR FORCE BASE, NEW JERSEY | | |
| 4. PROJECT TITLE VISITING QUARTERS | 5. PROJECT NUMBER PTFL963009 | |
| <p>number of transient personnel at McGuire AFB is high. UTA requirements support an average of 630 Air Force Reserve personnel and 225 Air National Guard personnel monthly. The UTA requirements plus the aircrew and other personnel sent TDY to McGuire AFB require putting over 1,800 personnel into off-base quarters due to lack of adequate on-base quarters. Annual cost to house these personnel off-base is \$914,000. Several facilities are available up to 22 miles from McGuire AFB, requiring as much as 45-minutes of travel time one way.</p> <p><u>IMPACT IF NOT PROVIDED:</u> TDY personnel will continue to travel long distances to obtain lodging at an annual cost of \$914,000 to the government. Lack of adequate on-base lodging will continue to degrade morale, productivity, and career satisfaction of TDY personnel.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing alternatives of new construction, revitalization, and status quo. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost-effective over the life of the project. BASE CIVIL ENGINEER: Lt Col Sebastian Romano, (609) 724-2642. Visiting Quarters: 3,850SM = 41,440SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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|--|--|---------|-------------------------|-----------|---|---|---------------------------------------|----|--------------------------|-----------|--------------------------|-----------|--|---|-------------------------------------|----|---|-----|--|-----|----------------------------|-----|-----------|------|--------------|-----|--------------|-----|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION MCGUIRE AIR FORCE BASE, NEW JERSEY | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. PROJECT TITLE VISITING QUARTERS | 5. PROJECT NUMBER PTFL963009 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>99 JAN 13</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>Y</td> </tr> <tr> <td>* (c) Percent Complete as of Jan 1999</td> <td>1%</td> </tr> <tr> <td>* (d) Date 35% Designed.</td> <td>99 MAY 01</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>99 SEP 30</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td>Y</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>708</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>354</td> </tr> <tr> <td>(c) Total</td> <td>1062</td> </tr> <tr> <td>(d) Contract</td> <td>885</td> </tr> <tr> <td>(e) In-house</td> <td>177</td> </tr> </table> <p>(4) Construction Start 00 FEB</p> <p>(5) Construction Completion 01 SEP</p> <p>* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> | | | (a) Date Design Started | 99 JAN 13 | (b) Parametric Cost Estimates used to develop costs | Y | * (c) Percent Complete as of Jan 1999 | 1% | * (d) Date 35% Designed. | 99 MAY 01 | (e) Date Design Complete | 99 SEP 30 | (f) Energy Study/Life-Cycle analysis was/will be performed | Y | (a) Standard or Definitive Design - | NO | (b) Where Design Was Most Recently Used - | N/A | (a) Production of Plans and Specifications | 708 | (b) All Other Design Costs | 354 | (c) Total | 1062 | (d) Contract | 885 | (e) In-house | 177 |
| (a) Date Design Started | 99 JAN 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Parametric Cost Estimates used to develop costs | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * (c) Percent Complete as of Jan 1999 | 1% | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * (d) Date 35% Designed. | 99 MAY 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) Date Design Complete | 99 SEP 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (f) Energy Study/Life-Cycle analysis was/will be performed | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Standard or Definitive Design - | NO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Where Design Was Most Recently Used - | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Production of Plans and Specifications | 708 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) All Other Design Costs | 354 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Total | 1062 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (d) Contract | 885 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) In-house | 177 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROGRAM | | | | | | | 2. DATE | | |
| AIR FORCE | | (computer generated) | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | 4. COMMAND | | | 5. AREA CONST | | | | |
| ROME LABORATORIES, NEW YORK | | | | AIR FORCE | | | COST INDEX | | | | |
| | | | | MATERIEL COMMAND | | | 1.04 | | | | |
| 6. PERSONNEL | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| STRENGTH | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 98 | | 79 | 45 | 799 | | | | | | | 923 |
| b. End FY 2005 | | 75 | 45 | 777 | | | | | | | 897 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (581) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) 38,671 | | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: 0 | | | | | | | | | | | |
| d. Authorization Requested In This Program: 12,800 | | | | | | | | | | | |
| e. Authorization Included In Following Program: (FY 2001) 0 | | | | | | | | | | | |
| f. Planned In Next Four Program Years: 0 | | | | | | | | | | | |
| g. Remaining Deficiency: 0 | | | | | | | | | | | |
| h. Grand Total: 51,471 | | | | | | | | | | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | PROJECT TITLE | | SCOPE | | COST (\$000) | | DESIGN STATUS | | | |
| CODE | | | | | | | | START | CMPL | | |
| 317-311 | | CONSOLIDATE INTELLIGENCE AND RECONNAISSANCE LABORATORY | | 10,600 SM | | 12,800 | | TURN KEY | | | |
| | | | | | | TOTAL: | | 12,800 | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) NONE | | | | | | | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 10. Mission or Major Functions: An Air Force Research Laboratory (AFRL) center responsible for information systems science and technology for aerospace command and control and its transition to air, space, and ground systems. | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | 0 | |
| b. Water pollution: | | | | | | | | | | 0 | |
| c. Occupational safety and health: | | | | | | | | | | 0 | |
| d. Other Environmental: | | | | | | | | | | 0 | |
| 12. Real Property Maintenance Backlog This Installation 0 | | | | | | | | | | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | | 2. DATE |
| AIR FORCE | (computer generated) | | | |
| 3. INSTALLATION AND LOCATION | | 4. PROJECT TITLE | | |
| ROME RESEARCH SITE, ROME NEW YORK | | CONSOLIDATE INTELLIGENCE AND RECONNAISSANCE LABORATORY | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | |
| 7.28.06 | 317-311 | ULDF950064 | AUTH: 12,800 APPROP: 3,002 | |
| 9. COST ESTIMATES | | | | |
| ITEM | U/M | QUANTITY | UNIT COST | COST (\$000) |
| CONSOLIDATE INTELLIGENCE AND RECONNAISSANCE LABORATORY | SM | 10,600 | | 9,456 |
| ELECTRONIC RESEARCH LABORATORY | SM | 2,400 | 960 | (2,304) |
| ADMINISTRATIVE/SUPPORT AREA | SM | 5,600 | 650 | (3,640) |
| SCIF | SM | 2,400 | 1,400 | (3,360) |
| COVERED WALKWAYS | SM | 200 | 760 | (152) |
| SUPPORTING FACILITIES | | | | 1,471 |
| UTILITIES | LS | | | (550) |
| PAVEMENTS/SITE IMPROVEMENTS | LS | | | (343) |
| COMMUNICATIONS/SECURITY SYSTEM | LS | | | (578) |
| SUBTOTAL | | | | 10,927 |
| CONTINGENCY (10%) | | | | 1,093 |
| TOTAL CONTRACT COST | | | | 12,020 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | 685 |
| TOTAL REQUEST | | | | 12,705 |
| TOTAL REQUEST (ROUNDED) | | | | 12,800 |
| 10. Description of Proposed Construction: Alter existing warehouse building number 2 for command, control, communications, computers and intelligence (C4I) research and development laboratory space, sensitive compartmented information facility (SCIF) area, administrative, engineering, and storage space. Includes upgrade of electrical, mechanical and all other necessary support. Air Conditioning: 1618 KW. | | | | |
| 11. REQUIREMENT: 10,600 SM ADEQUATE: 0 SUBSTANDARD: 12,421 SM PROJECT: Consolidate intelligence and reconnaissance laboratory. (Current Mission) REQUIREMENT: The Rome research site requires a modern and efficiently configured facility to support data processing systems and equipment, C4I research, future C4I systems technology, and the creation of the Air and Space C2 agency. This project will consolidate all the above functions in a single facility. CURRENT SITUATION: The existing facilities are maintenance intensive and require extensive repairs to building systems and roofs. The facilities do not provide adequate physical and electronic emanations security for advanced C4I programs. Current SCIF space is approaching saturation. As the number of migration systems are delivered and as the total C4I surveillance and reconnaissance environment evolves over the next decade, additional space and unique associated electronic security measures will be absolutely essential for future systems. As a result of past closure actions, the complex is isolated from other Rome Research Site facilities by approximately one-half (1/2) mile. Local development plans are to construct a 4-lane bypass between the existing facilities and the rest of | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION ROME RESEARCH SITE, ROME NEW YORK | | |
| 4. PROJECT TITLE CONSOLIDATE INTELLIGENCE AND RECONNAISSANCE LABORATORY | 5. PROJECT NUMBER ULDF950064 | |
| <p>Rome Research Site causing further isolation and introducing a potential traffic hazard. Upon completion of this project three buildings totaling 12,421 SM will be turned over to other non-DoD agencies and reduce the DoD inventory accordingly.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Failure to complete this project will constrained Rome laboratory from fully developing and transitioning technology to meet Air Force C4I development thrusts. Continued use of existing degraded facilities will further impact the laboratory mission and incurring additional operation and maintenance costs.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project. Base Civil Engineer: Col Frederick Foster: (315) 330-4321. Electronic Research Lab: 2,400 = 25,824SF; Administrative/Support Area: 5,600SM = 60,256SF; SCIF: 2,400SM = 25,824SF; Covered Walkways: 200SM = 2,152SF. This project is funded using advance appropriation. However, full authorization is requested in the year of intial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION ROME RESEARCH SITE, ROME NEW YORK | | |
| 4. PROJECT TITLE CONSOLIDATE INTELLIGENCE AND RECONNAISSANCE LABORATORY | 5. PROJECT NUMBER ULDF950064 | |
| <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by design-build procedures</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design - NO</p> <p>(b) Where Design Was Most Recently Used - N/A</p> <p>(3) Design Allowance 640</p> <p>(4) Construction Start 00 JAN</p> <p>(5) Construction Completion 01 OCT</p> <p>(6) Energy Study/Life-Cycle analysis was/will be performed Y</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> | | |

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|--|---|-----------|-----|-----|--------------------|-----------------|-----------------|----------------|-----|-----------------------------|---------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | | 2. DATE |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | 4. COMMAND | | | | | 5. AREA CONST COST INDEX | |
| POST FORT BRAGG, NORTH CAROLINA | | | | | AIR COMBAT COMMAND | | | | | 0.86 | |
| 6. PERSONNEL STRENGTH | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | TOTAL |
| | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | |
| a. As of 30 SEP 98 | | 98 | 221 | 19 | | | | | | | 338 |
| b. End FY 2005 | | 97 | 224 | 19 | | | | | | | 340 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (152,890) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) 1,192,998 | | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: 0 | | | | | | | | | | | |
| d. Authorization Requested In This Program: 4,600 | | | | | | | | | | | |
| e. Authorization Included In Following Program: (FY 2001) 0 | | | | | | | | | | | |
| f. Planned In Next Four Program Years: 3,822 | | | | | | | | | | | |
| g. Remaining Deficiency: 0 | | | | | | | | | | | |
| h. Grand Total: 1,201,420 | | | | | | | | | | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | | | | | | | | | | |
| CODE | PROJECT TITLE | | | | SCOPE | COST (\$000) | DESIGN START | STATUS CMPL | | | |
| 141-753 | AIR SUPPORT OPERATIONS GROUP FACILITY | | | | 2,596 SM | 4,600 | MAY 98 | JUL 99 | | | |
| TOTAL: | | | | | | 4,600 | | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) NONE | | | | | | | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 141-753 | WEATHER SQUADRON FACILITY | | | | 2,175 SM | 3,822 | | | | | |
| 10. Mission or Major Functions: Consists of an Air Support Operations Squadron (ASOS) with a weather detachment. | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | 0 | |
| b. Water pollution: | | | | | | | | | | 0 | |
| c. Occupational safety and health: | | | | | | | | | | 0 | |
| d. Other Environmental: | | | | | | | | | | 0 | |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | | 0 |

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| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE | |
| AIR FORCE | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| FORT BRAGG, NORTH CAROLINA | | | AIR SUPPORT OPERATIONS GROUP FACILITY | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 2.75.96 | 141-753 | HACC003010 | AUTH: 4,600 APPROP: 1,076 | | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| AIR SUPPORT OPERATIONS GROUP FACILITY | | SM | 2,596 | 1,240 | 3,219 |
| SUPPORTING FACILITIES | | | | | 905 |
| UTILITIES | | LS | | | (155) |
| PAVEMENTS | | LS | | | (334) |
| SITE IMPROVEMENTS | | LS | | | (131) |
| VEHICLE WASHRACK | | LS | | | (100) |
| HAZARDOUS MATERIAL STORAGE | | LS | | | (35) |
| COVERED STORAGE | | LS | | | (150) |
| SUBTOTAL | | | | | 4,124 |
| CONTINGENCY (5%) | | | | | 206 |
| TOTAL CONTRACT COST | | | | | 4,330 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 247 |
| TOTAL REQUEST | | | | | 4,577 |
| TOTAL REQUEST (ROUNDED) | | | | | 4,600 |
| 10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, masonry walls, roof system, fire protection system, utilities, site work, landscaping, parking and necessary support facilities. Air Conditioning: 100 KW. | | | | | |
| 11. REQUIREMENT: 2,596 SM ADEQUATE: 0 SUBSTANDARD: 595 SM PROJECT: Construct air support operations group facility. (Current Mission) REQUIREMENT: A facility to adequately support the administrative, training, vehicle and equipment maintenance, and storage requirements for the Air Support Operations Group. This headquarters provides command and control of 19 geographically separated units to include a weather squadron, three Air Support Operations Flights, the Corps Tactical Air Control Party and seven Air Support Operations Squadrons in support of Army airborne and ground combat units. CURRENT SITUATION: The Air Support Operations Group functions are currently scattered in offices both on Ft Bragg and Pope AFB. The functions are comprised of the group headquarters, Tactical Air Control Party, and air liaison offices. The group headquarters staff is dispersed in five large and seven small offices on Pope AFB. They lack the necessary space for training, conference capabilities and mobility equipment storage. The Tactical Air Control Party resides in three trailers on Pope AFB. The trailers have no fire detection, suppression or alarm system and the floors are dry-rotted. The air liaison office is located in two small offices on Ft Bragg and their mobility equipment is stored in trailers with dry-rot floors. | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION FORT BRAGG, NORTH CAROLINA | | |
| 4. PROJECT TITLE AIR SUPPORT OPERATIONS GROUP FACILITY | 5. PROJECT NUMBER HACC003010 | |
| <p><u>IMPACT IF NOT PROVIDED:</u> The Air Support Operations Group functions will continue to operate out of scattered facilities negatively impacting unit efficiency. Facility conditions will continue to effect unit morale. Improper storage for vehicles and equipment results in faster deterioration and can potentially effect mission performance.</p> <p><u>ADDITIONAL:</u> Only one alternative exists to meet this operational requirement, therefore an economical analysis is not required. A certificate of exception has been prepared. Department of Public Works: Col Robert L. Shirron, (910) 396-4009. Air Support Operations Facility: 2,596 SM = 27,930 SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| AIR FORCE | | |
| 3. INSTALLATION AND LOCATION | | |
| FORT BRAGG, NORTH CAROLINA | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER |
| AIR SUPPORT OPERATIONS GROUP FACILITY | | HACC003010 |
| 12. SUPPLEMENTAL DATA: | | |
| a. Estimated Design Data: | | |
| (1) Status: | | |
| (a) Date Design Started | | 98 MAY 12 |
| (b) Parametric Cost Estimates used to develop costs | | Y |
| * (c) Percent Complete as of Jan 1999 | | 15% |
| * (d) Date 35% Designed. | | 98 DEC 15 |
| (e) Date Design Complete | | 99 JUL 15 |
| (f) Energy Study/Life-Cycle analysis was/will be performed | | Y |
| (2) Basis: | | |
| (a) Standard or Definitive Design - | | NO |
| (b) Where Design Was Most Recently Used - | | N/A |
| (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) | | |
| (a) Production of Plans and Specifications | | 276 |
| (b) All Other Design Costs | | 138 |
| (c) Total | | 414 |
| (d) Contract | | 345 |
| (e) In-house | | 69 |
| (4) Construction Start 00 JAN | | |
| (5) Construction Completion 01 JAN | | |
| * Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability. | | |
| b. Equipment associated with this project will be provided from other appropriations: N/A | | |

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|---|---|--|------|-------|----------|---------------------------------------|--------|--------------|-------------------------------------|---------------|---------|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | 2. DATE | |
| 3. INSTALLATION AND LOCATION POPE AIR FORCE BASE, NORTH CAROLINA | | | | | | 4. COMMAND AIR MOBILITY COMMAND | | | 5. AREA CONST COST INDEX 0.86 | | |
| 6. PERSONNEL STRENGTH | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | TOTAL |
| | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | |
| a. As of 30 SEP 98 | | 575 | 4028 | 311 | | | | 60 | 189 | 72 | 5,235 |
| b. End FY 2005 | | 578 | 3989 | 299 | | | | 60 | 189 | 72 | 5,187 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (1,875) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) | | | | | | | | | | | 171,332 |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | | 0 |
| d. Authorization Requested In This Program: | | | | | | | | | | | 7,700 |
| e. Authorization Included In Following Program: (FY 2001) | | | | | | | | | | | 26,000 |
| f. Planned In Next Four Program Years: | | | | | | | | | | | 30,902 |
| g. Remaining Deficiency: | | | | | | | | | | | 86,800 |
| h. Grand Total: | | | | | | | | | | | 322,734 |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | | | SCOPE | | | | COST (\$000) | | DESIGN STATUS | |
| CODE | | PROJECT TITLE | | | | SCOPE | | (\$000) | | START CMPL | |
| 116-662 | | DANGEROUS CARGO PAD | | | | LS | | 7,700 | | MAR 98 JUL 99 | |
| | | | | | | | TOTAL: | | 7,700 | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | |
| 116-662 | | DANGEROUS CARGO PADS | | | | LS | | 26,000 | | | |
| | | | | | | | TOTAL: | | 26,000 | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 112-211 | | EXTEND TAXIWAY | | | | 26,000 SM | | 2,750 | | | |
| 211-159 | | C-130 CORROSION CONTROL FACILITY | | | | 6,500 SM | | 15,852 | | | |
| 217-713 | | A-10 ECM CONSOLIDATED MAINTENANCE FACILITY | | | | 2,500 SM | | 4,700 | | | |
| 610-243 | | FIGHTER GROUP HEADQUARTERS | | | | 1,400 SM | | 2,600 | | | |
| 721-312 | | DORMITORY | | | | 96 RM | | 5,000 | | | |
| 10. Mission or Major Functions: An airlift wing with two C-130 squadrons; a fighter operations group with two A/0A-10 squadrons; and two AFSOC squadrons. | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | | 0 |
| b. Water pollution: | | | | | | | | | | | 0 |
| c. Occupational safety and health: | | | | | | | | | | | 0 |
| d. Other Environmental: | | | | | | | | | | | 0 |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | | 31,586 |

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|--|--|---------------------|-------------------------|--------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE |
| AIR FORCE | | | | |
| 3. INSTALLATION AND LOCATION | | 4. PROJECT TITLE | | |
| POPE AIR FORCE BASE, NORTH CAROLINA | | DANGEROUS CARGO PAD | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | |
| 4.18.96 | 116-662 | TMKH973009 | AUTH: | 7,700 |
| | | | APPROP: | 1,802 |
| 9. COST ESTIMATES | | | | |
| ITEM | U/M | QUANTITY | UNIT COST | COST (\$000) |
| DANGEROUS CARGO PAD | LS | | | 5,291 |
| DANGEROUS CARGO PAD/TAXIWAY | SM | 21,500 | 120 | (2,580) |
| CARGO PAD PAVED SHOULDER | SM | 28,500 | 37 | (1,055) |
| RELOCATE HURST DRIVE | LM | 1,800 | 920 | (1,656) |
| SUPPORTING FACILITIES | | | | 1,609 |
| UTILITIES | LS | | | (622) |
| SITE IMPROVEMENTS (WETLANDS) | LS | | | (987) |
| SUBTOTAL | | | | 6,900 |
| CONTINGENCY (5%) | | | | 345 |
| TOTAL CONTRACT COST | | | | 7,245 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | 413 |
| TOTAL REQUEST | | | | 7,658 |
| TOTAL REQUEST (ROUNDED) | | | | 7,700 |
| 10. Description of Proposed Construction: Portland cement concrete pads. Includes lighted aircraft loading and munitions marshalling area, additional supporting utilities, taxiway lighting and pavement markings. Relocate 1,800 LM of arterial roadway. | | | | |
| 11. REQUIREMENT: 6 LS ADEQUATE: 0 SUBSTANDARD: 4 LS PROJECT: Construct a dangerous cargo pad. (Current Mission) REQUIREMENT: An adequately sized dangerous cargo pad, located within the explosive quantity/distance zone, is required to support loading and unloading of explosives or other dangerous cargo. The pad must be able to support fully-loaded military and Civil Reserve Air Fleet (CRAF) wide-bodied large frame aircraft. This pad is required to support US SOCOM, Joint Chiefs of Staff, Joint Special Operations Command, and 23 Air Wing plans for the deployment of the US Army 18th Airborne Corps and the 82nd Airborne Division. A taxiway is required to provide aircraft access/egress. This project also requires relocating Hurst Drive outside the explosive quantity/distance zone. CURRENT SITUATION: Hazardous cargo loading/unloading is currently performed on four remote taxiways which are located within the 1,000 foot safety clearance zone from the centerline of the runway and is in violaton of explosive quantity/distance criteria. Using these narrow taxiways for dangerous cargo pads restricts aircraft maneuverability, restricts and fragments cargo loading/unloading operations and presents a constant foreign object debris (FOD) hazard when either a C-5 or KC-10 aircraft load/unload dangerous cargo. The current configuration allows two C-5 aircraft to become trapped in the area if one breaks down or has trouble loading. This requires closing the runway until the aircraft can be towed from the area. | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION POPE AIR FORCE BASE, NORTH CAROLINA | | |
| 4. PROJECT TITLE DANGEROUS CARGO PAD | 5. PROJECT NUMBER TMKH973009 | |
| <p><u>IMPACT IF NOT PROVIDED:</u> Continued use of the four taxiways as dangerous cargo pads located within the explosive quantity/distance zone poses a very real potential of loss of life to personnel working in the area and loss of aircraft and base facilities. Loss of the runway would make it impossible to support training and contingency operation associated with the base and Army wartime mission.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, new construction) was done. It indicates new construction is the only option that will satisfy operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: Lt Col Thomas Sliwoski, (910) 394-2561. Cargo Pad: 21,500SM = 25,714SY Cargo Pad Shoulders: 28,500SM = 34,086SY Relocate Hurst Drive: 1,800LM = 54,864LF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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|---|--|---------|-------------------------|-----------|---|---|---------------------------------------|-----|--------------------------|-----------|--------------------------|-----------|--|----|-------------------------------------|----|---|-----|--|-----|----------------------------|-----|-----------|-----|--------------|-----|--------------|-----|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION POPE AIR FORCE BASE, NORTH CAROLINA | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. PROJECT TITLE DANGEROUS CARGO PAD | 5. PROJECT NUMBER TMKH973009 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>98 MAR 06</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>Y</td> </tr> <tr> <td>* (c) Percent Complete as of Jan 1999</td> <td>15%</td> </tr> <tr> <td>* (d) Date 35% Designed.</td> <td>98 DEC 15</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>99 JUL 01</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td>NA</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>462</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>231</td> </tr> <tr> <td>(c) Total</td> <td>693</td> </tr> <tr> <td>(d) Contract</td> <td>593</td> </tr> <tr> <td>(e) In-house</td> <td>100</td> </tr> </table> <p>(4) Construction Start 00 MAR</p> <p>(5) Construction Completion 01 JUN</p> <p>* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> | | | (a) Date Design Started | 98 MAR 06 | (b) Parametric Cost Estimates used to develop costs | Y | * (c) Percent Complete as of Jan 1999 | 15% | * (d) Date 35% Designed. | 98 DEC 15 | (e) Date Design Complete | 99 JUL 01 | (f) Energy Study/Life-Cycle analysis was/will be performed | NA | (a) Standard or Definitive Design - | NO | (b) Where Design Was Most Recently Used - | N/A | (a) Production of Plans and Specifications | 462 | (b) All Other Design Costs | 231 | (c) Total | 693 | (d) Contract | 593 | (e) In-house | 100 |
| (a) Date Design Started | 98 MAR 06 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Parametric Cost Estimates used to develop costs | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * (c) Percent Complete as of Jan 1999 | 15% | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * (d) Date 35% Designed. | 98 DEC 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) Date Design Complete | 99 JUL 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (f) Energy Study/Life-Cycle analysis was/will be performed | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Standard or Definitive Design - | NO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Where Design Was Most Recently Used - | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Production of Plans and Specifications | 462 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) All Other Design Costs | 231 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Total | 693 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (d) Contract | 593 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) In-house | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|---|--|---|------|------------------|----------|--------------|--------|---------------|------|-----------|--------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | 2. DATE | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | 4. COMMAND | | | | 5. AREA CONST | | | |
| WRIGHT-PATTERSON | | | | AIR FORCE | | | | COST INDEX | | | |
| AIR FORCE BASE, OHIO | | | | MATERIEL COMMAND | | | | 0.96 | | | |
| 6. PERSONNEL | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| STRENGTH | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 98 | | 3057 | 3010 | 11621 | 5 | | | 81 | 138 | 169 | 22,081 |
| b. End FY 2005 | | 2885 | 2820 | 10242 | | | | 81 | 138 | 169 | 20,335 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (8,167) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) | | | | | | | | | | 997,465 | |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | 0 | |
| d. Authorization Requested In This Program: | | | | | | | | | | 17,600 | |
| e. Authorization Included In Following Program: (FY 2001) | | | | | | | | | | 14,200 | |
| f. Planned In Next Four Program Years: | | | | | | | | | | 108,489 | |
| g. Remaining Deficiency: | | | | | | | | | | 150,500 | |
| h. Grand Total: | | | | | | | | | | 1,288,254 | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | PROJECT TITLE | | SCOPE | | COST (\$000) | | DESIGN STATUS | | | |
| CODE | | | | | | | | START | CMPL | | |
| 149-962 | CONTROL TOWER | | | | LS | 4,000 | | TURN KEY | | | |
| 310-932 | CONSOLIDATE AVIONICS RESEARCH LABORATORY | | | 5,710 | SM | 13,600 | | TURN KEY | | | |
| | | | | | | TOTAL: | 17,600 | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | |
| 310-921 | CONSOLIDATED TOXIC HAZARDS LABORATORY | | | 5,600 | SM | 14,200 | | TURN KEY | | | |
| | | | | | | TOTAL: | 14,200 | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 113-321 | REPLACE WEST RAMP, PHASE I | | | | LS | 17,389 | | | | | |
| 311-173 | ACQUISITION MANAGEMENT COMPLEX, PH-4B | | | 8,500 | SM | 19,500 | | | | | |
| 311-173 | RENOVATE ACQUISITION SUPPORT FACILITY | | | 14,121 | SM | 18,000 | | | | | |
| 311-174 | AEROSPACE STRUCTURES RESEARCH & DEVELOPMENT LABORATORY | | | 4,400 | SM | 16,800 | | | | | |
| 721-312 | DORMITORY | | | 144 | RM | 8,800 | | | | | |
| 730-142 | CONSOLIDATE FIRE STATIONS | | | 2,450 | SM | 5,700 | | | | | |
| 740-674 | CONVERT TO PHYSICAL FITNESS FACILITY | | | 5,354 | SM | 4,600 | | | | | |
| 760-111 | ADD TO AIR FORCE MUSEUM | | | | LS | 15,000 | | TURN KEY | | | |
| 851-147 | BASE ENTRANCE (GATE 1B) | | | | LS | 2,700 | | | | | |
| 10. Mission or Major Functions: AFMC Headquarters which is responsible for direction of research, acquisition and logistics support for air and space weapons systems and related components; Aeronautical Systems Center; Air Force Research Laboratories; Air Force Institute of Technology; Air Force Museum; National Aerospace Intelligence Center; National Airborne Operations Center; Open Skies treaty compliance; Air Force Reserve wing with two C-141 airlift squadrons; and an AMC wing with one C-21 logistics group. | | | | | | | | | | | |

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|--|---|-----|-----|------------|-----|-----|-----------------------------|-----|-----|---------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | 2. DATE |
| AIR FORCE | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | WRIGHT-PATTERSON AIR FORCE BASE, OHIO | | | 4. COMMAND | | | 5. AREA CONST COST INDEX | | | 0.96 |
| 6. PERSONNEL STRENGTH | PERMANENT | | | STUDENTS | | | SUPPORTED | | | TOTAL |
| a. As of | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | |
| b. End FY | | | | | | | | | | |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | |
| a. Total Acreage: | | | | | | | | | | |
| b. Inventory Total As Of: | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | |
| d. Authorization Requested In This Program: | | | | | | | | | | |
| e. Authorization Included In Following Program: | | | | | | | | | | |
| f. Planned In Next Four Program Years: | | | | | | | | | | |
| g. Remaining Deficiency: | | | | | | | | | | |
| h. Grand Total: | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | |
| a. Air pollution: 5,800 | | | | | | | | | | |
| b. Water pollution: 0 | | | | | | | | | | |
| c. Occupational safety and health: 0 | | | | | | | | | | |
| d. Other Environmental: 11,500 | | | | | | | | | | |
| 12. Real Property Maintenance Backlog This Installation 48,978 | | | | | | | | | | |

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| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | 2. DATE | |
| AIR FORCE | | (computer generated) | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| WRIGHT-PATTERSON AIR FORCE BASE, OHIO | | | CONSOLIDATE AVIONICS RESEARCH LABORATORY | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 7.28.06 | 310-932 | ZHTV923304 | AUTH: 13,600 | | |
| | | | APPROP: 3,230 | | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| CONSOLIDATE AVIONICS RESEARCH LABORATORY | | SM | 5,710 | 1,760 | 10,050 |
| SUPPORTING FACILITIES | | | | | 2,119 |
| UTILITIES | | LS | | | (776) |
| SITE IMPROVEMENT | | LS | | | (200) |
| PAVEMENTS | | LS | | | (450) |
| DEMOLITION | | SM | 2,025 | 120 | (243) |
| ASBESTOS ABATEMENT | | LS | | | (350) |
| COMMUNICATIONS SUPPORT | | LS | | | (100) |
| SUBTOTAL | | | | | 12,169 |
| CONTINGENCY (5%) | | | | | 608 |
| TOTAL CONTRACT COST | | | | | 12,777 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 728 |
| TOTAL REQUEST | | | | | 13,505 |
| TOTAL REQUEST (ROUNDED) | | | | | 13,600 |
| EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD) | | | | | (880) |
| 10. Description of Proposed Construction: Two story facility with foundation, perimeter walls, and floor slabs of poured reinforced concrete, roof system, elevator, utilities and other necessary support. Includes secure classified information area, lab office areas, raised floors, special electrical power spaces and other electrical distribution systems. Demolish one facility (2,025SM). Air Conditioning: 874 KW. | | | | | |
| 11. REQUIREMENT: 46,252 SM ADEQUATE: 11,988 SM SUBSTANDARD: 41,032 SM PROJECT: Consolidated avionics research laboratory. (Current Mission) REQUIREMENT: This project is the critical element of the strategy for the 21st century avionics; the achievement of information dominance. It will consolidate the research and development of integrated avionics systems and provide modern physical space necessary to support both the high security levels and multiple security compartments required by special programs. This facility will provide for the development of hyperspectral sensing technology for development of space based infrared (SBIR) systems. The facility will contain multi-compartment, classified research laboratory space needed for the development of automatic target recognition combat identification and information fusion/situation awareness upgrades for the F-22, F-15, Unmanned Aerial vehicle (UAV) and other joint operations reconnaissance platforms. Scientists and engineers will be able to work as an integrated team while developing the next generation of avionics systems in a realistic threat environment. CURRENT SITUATION: Many of the laboratory functions critical to avionics integration are housed in substandard facilities built during the 1940's--widely separated from the main avionics complex. This physical | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION WRIGHT-PATTERSON AIR FORCE BASE, OHIO | | |
| 4. PROJECT TITLE CONSOLIDATE AVIONICS RESEARCH LABORATORY | 5. PROJECT NUMBER ZHTV923304 | |
| <p>separation of facilities prevents real-time transfer of data among avionics functions which must be integrated. With electronic response times among avionics subsystems being measured in billionths of a second, separations between subsystem development facilities over a few hundred feet begin to cause timing and signal fidelity problems in real-time integrated avionics simulations; this means that "integration" cannot be achieved via microwave radio or fiber optic links among the currently dispersed facilities. An additional difficulty is that future integrated avionics architectures require that avionics functions will share aperture, signal and data processors, reference systems, and modules of differing security requirements; it must be accomplished in an integrated and collocated laboratory facility with arrangements for multi-level security. There are no facilities available in DOD or other government agencies to perform the required avionics research and development. Industrial facilities are limited in capacity; are tailored to development of specific weapon systems; and cannot accommodate the integration of subsystems of differing security requirements, especially if developed by competing companies.</p> <p><u>IMPACT IF NOT PROVIDED:</u> If the facility is not available the AF will lose its combat edge because it will not be able to develop the 21st Century integrated avionics systems to enable the AF to dominate the information Warfare arena. The current avionics architecture will be extended and performance upgrades will be unaffordable with support problems growing to crisis levels. Air crews will be at greater risk because of incomplete intelligence data and the delayed response time from detection of a battle situation to threat jamming operations or weapon release. Survival of expensive combat assets will be reduced, control of air space will be in jeopardy, and cost of military operations will increase significantly.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide" or in the Air Force Handbook 32-1084, "Facility Requirement." All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. Base Civil Engineer: Col Jeffrey Charles, (937) 257-6214. Consolidated Avionics Research Laboratory: 5,710SM = 61,440SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE |
| AIR FORCE | | | |
| 3. INSTALLATION AND LOCATION | | | |
| WRIGHT-PATTERSON AIR FORCE BASE, OHIO | | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER | |
| CONSOLIDATE AVIONICS RESEARCH LABORATORY | | ZHTV923304 | |
| 12. SUPPLEMENTAL DATA: | | | |
| a. Estimated Design Data: | | | |
| (1) Project to be accomplished by design-build procedures | | | |
| (2) Basis: | | | |
| (a) Standard or Definitive Design - | | | NO |
| (b) Where Design Was Most Recently Used - | | | N/A |
| (3) Design Allowance | | | 680 |
| (4) Construction Start | | | 99 DEC |
| (5) Construction Completion | | | 01 SEP |
| (6) Energy Study/Life-Cycle analysis was/will be performed | | | Y |
| b. Equipment associated with this project will be provided from other appropriations: | | | |
| EQUIPMENT NOMENCLATURE | PROCURING APPROPRIATION | FISCAL YEAR APPROPRIATED OR REQUESTED | COST (\$000) |
| PREWIRED WORKSTATIONS | 3600 | FY2000 | 880 |

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| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE | |
| AIR FORCE | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| WRIGHT-PATTERSON AIR FORCE BASE, OHIO | | | CONTROL TOWER | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 3.51.14 | 149-962 | ZHTV973207 | AUTH: 4,000 APPROP: 934 | | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| CONTROL TOWER | | LS | | | 2,492 |
| ADDITION | | SM | 255 | 3,302 | (842) |
| ALTERATION | | LS | | | (1,650) |
| SUPPORTING FACILITIES | | | | | 927 |
| UTILITIES | | LS | | | (180) |
| PAVEMENTS/SITE IMPROVEMENTS | | LS | | | (150) |
| ELEVATOR | | LS | | | (140) |
| DEMOLITION | | LS | | | (82) |
| COMMUNICATIONS SUPPORT | | LS | | | (225) |
| BACK-UP POWER | | LS | | | (150) |
| SUBTOTAL | | | | | 3,419 |
| CONTINGENCY (10%) | | | | | 342 |
| TOTAL CONTRACT COST | | | | | 3,761 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 214 |
| TOTAL REQUEST | | | | | 3,975 |
| TOTAL REQUEST (ROUNDED) | | | | | 4,000 |
| EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD) | | | | | (1,200) |
| 10. Description of Proposed Construction: Construct a control tower by adding three floors on top of an existing five-story facility (Bldg 206). Alter the existing five floors by adding footings/columns and strengthening the floor beams. Includes stairways, control tower cab, elevator, communications and HVAC systems, fire protection systems, back-up power, and all necessary support. Demolish existing control tower. Air Conditioning: 110 KW. | | | | | |
| 11. REQUIREMENT: 1 LS ADEQUATE: 0 SUBSTANDARD: 1 LS PROJECT: Construct a control tower. (Current Mission) REQUIREMENT: An air traffic control tower is required to provide air traffic controllers a clear view of the airfield runways, traffic patterns, restricted areas and parking areas to ensure adequate and safe airborne and ground traffic control on and around the airfield. Provide adequate space for crew briefings, personnel training, electronic equipment maintenance, radio and telephone support equipment, environmental control equipment, and controller administrative functions. CURRENT SITUATION: The existing control tower was built in 1963 and provides less than 50 percent of the required space to support today's mission. Controller and staff working conditions within the control tower are crowded and cumbersome. These conditions adversely impact air traffic control operations, affects flight safety, and controller/staff morale. Operationally, the control tower cab is small with cramped working conditions. Control tower crew pre-duty briefings are conducted in mechanical room due to lack of space. The restricted visibility from the existing tower to the primary pattern and 70 percent of the ground movement areas directly impacts the controller's management over air space | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION WRIGHT-PATTERSON AIR FORCE BASE, OHIO | | |
| 4. PROJECT TITLE CONTROL TOWER | 5. PROJECT NUMBER ZHTV973207 | |
| <p>and ultimately flight safety.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The air traffic control services will continue to be degraded without this tower. Overcrowded cab conditions will limit air traffic controller mobility and ability to provide proper communications to the pilots. Limited visibilty could lead to a serious mishap.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. Base Civil Engineer: Col Jeffrey Charles, (937) 257-6214. Addition: 250SM = 2,690SF. This project is funded using advance appropriation. However, full authorization is requested in the year of intial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | 2. DATE |
| AIR FORCE | (computer generated) | | |
| 3. INSTALLATION AND LOCATION | | | |
| WRIGHT-PATTERSON AIR FORCE BASE, OHIO | | | |
| 4. PROJECT TITLE | 5. PROJECT NUMBER | | |
| CONTROL TOWER | ZHTV973207 | | |
| 12. SUPPLEMENTAL DATA: | | | |
| a. Estimated Design Data: | | | |
| (1) Project to be accomplished by design-build procedures | | | |
| (2) Basis: | | | |
| (a) Standard or Definitive Design - | | | NO |
| (b) Where Design Was Most Recently Used - | | | N/A |
| (3) Design Allowance | | | 200 |
| (4) Construction Start | | | 99 DEC |
| (5) Construction Completion | | | 00 DEC |
| (6) Energy Study/Life-Cycle analysis was/will be performed | | | Y |
| b. Equipment associated with this project will be provided from other appropriations: | | | |
| EQUIPMENT NOMENCLATURE | PROCURING APPROPRIATION | FISCAL YEAR APPROPRIATED OR REQUESTED | COST (\$000) |
| ATC AUTOMATION | 3080 | FY2001 | 1200 |

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|--|---|-----------|--------------|---------------|------|------------------|-----------|-----|---------------|-----------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | 2. DATE | |
| AIR FORCE | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | | 4. COMMAND | | | 5. AREA CONST | |
| TINKER AIR FORCE BASE, OKLAHOMA | | | | | | AIR FORCE | | | COST INDEX | |
| | | | | | | MATERIEL COMMAND | | | 0.88 | |
| 6. PERSONNEL | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| STRENGTH | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 98 | 1245 | 5403 | 11734 | | | | | 851 | 620 | 19,853 |
| b. End FY 2005 | 1176 | 5183 | 11672 | | | | | 851 | 620 | 19,502 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | |
| a. Total Acreage: (4,886) | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) | | | | | | | | | | 818,241 |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | 0 |
| d. Authorization Requested In This Program: | | | | | | | | | | 23,800 |
| e. Authorization Included In Following Program: (FY 2001) | | | | | | | | | | 18,700 |
| f. Planned In Next Four Program Years: | | | | | | | | | | 99,935 |
| g. Remaining Deficiency: | | | | | | | | | | 124,100 |
| h. Grand Total: | | | | | | | | | | 1,084,776 |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | |
| CATEGORY | PROJECT TITLE | SCOPE | COST (\$000) | DESIGN STATUS | | | | | | |
| CODE | | | | START | Cmpl | | | | | |
| 211-251 | ADAL AIR DRIVEN ACCESSORIES | 9,200 SM | 17,000 | TURN KEY | | | | | | |
| | OVERHAUL AND TEST FAC (CWF) | | | | | | | | | |
| 721-312 | DORMITORIES | 130 RM | 6,800 | TURN KEY | | | | | | |
| | | TOTAL: | 23,800 | | | | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | |
| 211-159 | DEPOT CORROSION CONTROL STRIP | 5,065 SM | 12,800 | TURN KEY | | | | | | |
| | FACILITY (WORKING CAPITAL FUND) | | | | | | | | | |
| 721-312 | DORMITORY | 96 RM | 5,900 | TURN KEY | | | | | | |
| | | TOTAL: | 18,700 | | | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | |
| 111-111 | REPAIR PRIMARY RUNWAY | 84,000 SM | 11,200 | | | | | | | |
| 121-122 | ADD TO AND ALTER AIRCRAFT | 6 OL | 3,385 | | | | | | | |
| | FUEL/DEFUEL | | | | | | | | | |
| 141-764 | ADD TO INTEGRATION SUPPORT | 6,000 SM | 11,600 | | | | | | | |
| | FACILITY | | | | | | | | | |
| 141-764 | SOFTWARE SUPPORT FACILITY | 6,690 SM | 12,600 | | | | | | | |
| 211-254 | ALTER DEPOT PLATING SHOP | 850 SM | 8,400 | | | | | | | |
| 217-742 | COMBAT COMMUNICATIONS | 3,900 SM | 7,600 | | | | | | | |
| | SQUADRON OPERATIONS (32 CCS) | | | | | | | | | |
| 217-742 | COMBAT COMMUNICATIONS | 4,000 SM | 7,400 | | | | | | | |
| | SQUAD OPS (31 CCS) | | | | | | | | | |
| 217-742 | COMBAT COMMUNICATION | 1,300 SM | 2,750 | | | | | | | |
| | MAINTENANCE FACILITY (34 CCS) | | | | | | | | | |
| 721-312 | DORMITORY | 144 RM | 8,500 | | | | | | | |
| 721-312 | DORMITORY | 144 RM | 8,600 | | | | | | | |
| 721-312 | DORMITORY | 120 RM | 7,800 | | | | | | | |
| 730-771 | CHAPEL CARE CENTER ADDITION | 300 SM | 800 | | | | | | | |
| 740-674 | PHYSICAL FITNESS CENTER | 2,416 SM | 4,100 | | | | | | | |
| 826-123 | ADD TO AND ALTER AIR | 3,850 TN | 5,200 | | | | | | | |
| | CONDITIONING PLANT | | | | | | | | | |

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|--|---|-----|-----|------------|-------------------------------|-----|-----------|-----------------------------|--------|---------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | 2. DATE |
| AIR FORCE | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | TINKER AIR FORCE BASE, OKLAHOMA | | | 4. COMMAND | AIR FORCE MATERIEL COMMAND | | | 5. AREA CONST COST INDEX | 0.88 | |
| 6. PERSONNEL STRENGTH | PERMANENT | | | STUDENTS | | | SUPPORTED | | | TOTAL |
| | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | |
| a. As of | | | | | | | | | | |
| b. End FY | | | | | | | | | | |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | |
| a. Total Acreage: | | | | | | | | | | |
| b. Inventory Total As Of: | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | |
| d. Authorization Requested In This Program: | | | | | | | | | | |
| e. Authorization Included In Following Program: | | | | | | | | | | |
| f. Planned In Next Four Program Years: | | | | | | | | | | |
| g. Remaining Deficiency: | | | | | | | | | | |
| h. Grand Total: | | | | | | | | | | |
| 10. Mission or Major Functions: Oklahoma City Air Logistics Center which is responsible for logistics management, support, and depot-level maintenance, repair and overhaul of B-1, B-2, B-52, KC-135, and E-3 aircraft and aircraft engines; an air base wing; an Air Combat Command Air Control Wing with four E-3 airborne air control squadrons supporting 24 E-3 aircraft; an AFRES wing with one KC-135 squadron, an ACC Communications Group; and an Engineering Installations Wing. A major tenant is the US Navy Strategic Command (TACAMO) Wing with E-6 aircraft. | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | 700 | |
| b. Water pollution: | | | | | | | | | 1,500 | |
| c. Occupational safety and health: | | | | | | | | | 0 | |
| d. Other Environmental: | | | | | | | | | 1,200 | |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | 44,308 | |

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|---|------------------|--|---|-----------|--------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | 2. DATE | |
| AIR FORCE | | (computer generated) | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| TINKER AIR FORCE BASE, OKLAHOMA | | | ADAL AIR DRIVEN ACCESSORIES OVERHAUL AND TEST FAC (CWF) | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 7.28.96 | 211-251 | WWYK943012 | AUTH: 17,000 APPROP: 4,001 | | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| ADAL AIR DRIVEN ACCESSORIES OVERHAUL AND TEST FAC (CWF) | | SM | 9,200 | | 10,800 |
| AIR DRIVEN SHOP | | SM | 6,500 | 1,000 | (6,500) |
| TEST CELLS/CHEMICAL STORAGE | | SM | 1,700 | 2,000 | (3,400) |
| ALTER/REPAIR COMPRESSOR ROOM | | SM | 1,000 | 900 | (900) |
| SUPPORTING FACILITIES | | | | | 4,399 |
| UTILITIES/SITE IMPROVEMENTS | | LS | | | (774) |
| PAVEMENTS/DRILLED PIER | | LS | | | (950) |
| HAZARDOUS MATERIAL ABATEMENT | | SM | 12,160 | 100 | (1,216) |
| DEMOLITION | | SM | 12,160 | 120 | (1,459) |
| SUBTOTAL | | | | | 15,199 |
| CONTINGENCY (5%) | | | | | 760 |
| TOTAL CONTRACT COST | | | | | 15,959 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 910 |
| TOTAL REQUEST | | | | | 16,869 |
| TOTAL REQUEST (ROUNDED) | | | | | 17,000 |
| EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD) | | | | | (11,060) |
| 10. Description of Proposed Construction: Construct a steel frame and concrete block building, along with site work, utilities, foundation, fire protection, lighting, HVAC system, and pavements. Revitalize an existing compressor room (building No: 210) and connect to the new facility. Demolish an existing facility totaling 12,160 square meters. Air Conditioning: 600 KW. | | | | | |
| 11. REQUIREMENT: 9,200 SM ADEQUATE: 0 SUBSTANDARD: 12,160 SM PROJECT: Add/alter an air driven accessories overhaul and test facility. (Current Mission) REQUIREMENT: The Oklahoma City-Air Logistics Center (OC-ALC) maintains and tests aircraft air driven accessories for over 400 different components from all active Air Force weapons systems and is essential for worldwide mission readiness. The workload includes Air Force, Navy, and Foreign Military Services. OC-ALC has been identified as the sole source for government based testing of 160 air driven end item accessories requiring 300 psi air flow at temperatures up to 800 degrees F. A consolidated, state-of-the-art facility with computerized test equipment is required to ensure quality, reliable testing and overhaul of air driven accessories. The test cells within the facility simulate jet engine operational conditions for testing components such as cooling turbines, drives, valves, regulators, temperature sensors, heat exchangers and water pumps. CURRENT SITUATION: The existing 55-year-old facility is in extensive need of upgrade and repair. The facility has numerous structural deficiencies, the electrical and HVAC systems are worn and inadequate, abandoned piping and conduit hinders proper maintenance, and test cells are not properly | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA | | |
| 4. PROJECT TITLE ADAL AIR DRIVEN ACCESSORIES OVERHAUL AND TEST FAC (WCF) | 5. PROJECT NUMBER WWYK943012 | |
| <p>configured. Numerous roof leaks throughout the facility result in lost production time due to the inability of operating wet equipment and cleanup. Pneumatic test cells have been continually modified over the years to accommodate the change from propeller driven to jet driven technology and are haphazardly configured. The pneumatic test cell area has asbestos pipe insulation throughout along with residual mercury contamination behind the console areas. This causes a potential exposure hazard to production and maintenance personnel. The facilities inability to control the shops ambient air quality results in reduced effectiveness with today's close tolerance components. Test cell instrumentation and controls are antiquated and present maintenance problems, safety hazards, and continuous manual adjustment. One of twenty-three test cells was modified in 1992 to provide computer controlled test capability. That project validated the control technology needed for the entire test facility. The valves and computer controls will be moved to the new facility.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Modernization of the technical equipment cannot proceed without this new facilities. Increase reliability and maintainability of end items will not be realized. Production delays will increase as the need for emergency repairs become more frequent. Increased utility efficiency will not be realized and personnel will continue to be exposed to mercury and asbestos hazards.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. The requirement for this project was validated by the Joint Service Depot Maintenance Industrial Military Construction Review on 13 May 1997. Base Civil Engineer: Col Michael Cuddihee, (405) 734-3451. Air Driven Shop: 6,500SM = 69,940SF; Test Cells/Chemical Storage: 1,700SM = 18,292SF; Alter/Repair Compressor Storage: 1,000SM = 10,760SF. This project is funded using advance appropriation. However, full authorization is requested in the year of intial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | |
| AIR FORCE | | | |
| 3. INSTALLATION AND LOCATION | | | |
| TINKER AIR FORCE BASE, OKLAHOMA | | | |
| 4. PROJECT TITLE | 5. PROJECT NUMBER | | |
| ADAL AIR DRIVEN ACCESSORIES OVERHAUL AND TEST FAC (CWF) | WWYK943012 | | |
| 12. SUPPLEMENTAL DATA: | | | |
| a. Estimated Design Data: | | | |
| (1) Project to be accomplished by design-build procedures | | | |
| (2) Basis: | | | |
| (a) Standard or Definitive Design - | | NO | |
| (b) Where Design Was Most Recently Used - | | N/A | |
| (3) Design Allowance | | 850 | |
| (4) Construction Start | | 99 DEC | |
| (5) Construction Completion | | 01 DEC | |
| (6) Energy Study/Life-Cycle analysis was/will be performed | | Y | |
| b. Equipment associated with this project will be provided from other appropriations: | | | |
| EQUIPMENT NOMENCLATURE | PROCURING APPROPRIATION | FISCAL YEAR APPROPRIATED OR REQUESTED | COST (\$000) |
| WORKBENCHES & STORAGE BENCHES | DMAG | FY2000 | 960 |
| PNUMATICS TEST CELLS | DMAG | FY2000 | 8800 |
| BOTTLE REWORK AREA | DMAG | FY2000 | 40 |
| PROCESS EQUIPMENT | DMAG | FY2000 | 1260 |

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| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE | |
| AIR FORCE | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| TINKER AIR FORCE BASE, OKLAHOMA | | | DORMITORIES | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 7.28.96 | 721-312 | WWYK003007 | AUTH: | 6,800 | |
| | | | APPROP: | 1,602 | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| DORMITORIES | | SM | 4,290 | | 5,273 |
| DORMITORY (96 RM) | | SM | 3,168 | 1,381 | (4,375) |
| UPGRADE EXISTING DORMITORY (34 RM) | | SM | 1,122 | 800 | (898) |
| SUPPORTING FACILITIES | | | | | 811 |
| UTILITIES | | LS | | | (450) |
| PAVEMENTS | | LS | | | (250) |
| SITE IMPROVEMENTS | | LS | | | (111) |
| SUBTOTAL | | | | | 6,084 |
| CONTINGENCY (5%) | | | | | 304 |
| TOTAL CONTRACT COST | | | | | 6,388 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 364 |
| TOTAL REQUEST | | | | | 6,752 |
| TOTAL REQUEST (ROUNDED) | | | | | 6,800 |
| 10. Description of Proposed Construction: Three story facility with reinforced concrete foundation and floor slabs, masonry walls and roof. Includes room-bath/kitchen-room modules, laundry rooms, storage, lounge areas, site preparation, and all other supporting facilities. Also upgrade existing dormitory (building No: 5902) to room-bath/kitchen-room modules. Air Conditioning: 300 KW. Grade Mix: 130 E1-E4. | | | | | |
| 11. REQUIREMENT: 1,430 RM ADEQUATE: 528 RM SUBSTANDARD: 188 RM PROJECT: Construct a new dormitory and upgrade an existing dormitory. (Current mission) REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. This project is in accordance with the Air Force Dormitory Master Plan. CURRENT SITUATION: The base has insufficient facilities to accommodate unaccompanied enlisted personnel. Local rentals and utilities are so expensive that enlisted personnel cannot afford to live off base housing which is also located several miles from the base. IMPACT IF NOT PROVIDED: Adequate living quarters will continue to be unavailable resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. Low morale will contribute to retention difficulties for the Air Force. ADDITIONAL: This project meets the criteria/scope specified in the new | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA | | |
| 4. PROJECT TITLE DORMITORIES | 5. PROJECT NUMBER WWYK003007 | |
| <p>uniform barracks construction standard known as "one-plus-one" established by OSD. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. FY 1997 Unaccompanied Housing RPM conducted: \$782K; FY 1998 Unaccompanied Housing RPM conducted: \$618K. Future Unaccompanied Housing RPM requirements (estimated): FY99: \$636K; FY00: \$655K; FY01: \$675K; FY02: \$695K; FY03: \$716K. Base Civil Engineer: Col Michael Cuddihee, (405) 734-3451. Dormitory: 3,168SM = 34,088SF; Upgrade Existing Dormitory: 1,122SM = 12,073SF. This project is funded using advance appropriation. However, full authorization is requested in the year of intial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | | | | |
| 3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA | | | | | | |
| 4. PROJECT TITLE DORMITORIES | 5. PROJECT NUMBER WWYK003007 | | | | | |
| <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by design-build procedures</p> <p>(2) Basis:</p> <table data-bbox="349 674 1382 737"> <tr> <td>(a) Standard or Definitive Design -</td> <td>YES</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>TINKER</td> </tr> </table> <p>(3) Design Allowance 340</p> <p>(4) Construction Start 99 DEC</p> <p>(5) Construction Completion 01 APR</p> <p>(6) Energy Study/Life-Cycle analysis was/will be performed Y</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> | | | (a) Standard or Definitive Design - | YES | (b) Where Design Was Most Recently Used - | TINKER |
| (a) Standard or Definitive Design - | YES | | | | | |
| (b) Where Design Was Most Recently Used - | TINKER | | | | | |

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|--|---|------|---------------------------------------|-----------|-----------------|-------------------------------------|---------|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | 2. DATE |
| 3. INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA | | | 4. COMMAND AIR MOBILITY COMMAND | | | 5. AREA CONST COST INDEX 0.88 | |
| 6. PERSONNEL STRENGTH | PERMANENT | | STUDENTS | | | SUPPORTED | TOTAL |
| | OFF | ENL | CIV | OFF | ENL | CIV | |
| a. As of 30 SEP 98 | 510 | 3174 | 951 | | | | 4,727 |
| b. End FY 2005 | 485 | 3084 | 940 | | | | 4,601 |
| 7. INVENTORY DATA (\$000) | | | | | | | |
| a. Total Acreage: | (3,733) | | | | | | |
| b. Inventory Total As Of: | (30 SEP 98) | | | | | | 180,686 |
| c. Authorization Not Yet In Inventory: | | | | | | | 0 |
| d. Authorization Requested In This Program: | | | | | | | 18,200 |
| e. Authorization Included In Following Program: | (FY 2001) | | | | | | 0 |
| f. Planned In Next Four Program Years: | | | | | | | 22,200 |
| g. Remaining Deficiency: | | | | | | | 89,400 |
| h. Grand Total: | | | | | | | 310,486 |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | |
| CATEGORY | PROJECT TITLE | | | SCOPE | COST (\$000) | DESIGN STATUS START | CMPL |
| 211-159 | C-17 CORROSION CONTROL FACILITY | | | 4,350 SM | 18,200 | APR 98 | SEP 99 |
| | | | | | TOTAL: | 18,200 | |
| 9a. Future Projects: Included in the Following Program (FY 2001) NONE | | | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | |
| 442-758 | MOBILITY CENTER/BASE SUPPLY WAREHOUSE | | | 12,553 SM | 12,000 | | |
| 442-758 | FLIGHT LINE SUPPORT FACILITY | | | 7,488 SM | 8,300 | | |
| 740-674 | ADD TO PHYSICAL FITNESS CENTER | | | 1,900 SM | 1,900 | | |
| 10. Mission or Major Functions: An airlift wing with four C-141/C-17 squadrons; an Air Force Reserve C-141/C-17 associate airlift wing; an Air National Guard air defense detachment with F-15 aircraft; and a combat camera squadron. | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | |
| a. Air pollution: | | | | | | 0 | |
| b. Water pollution: | | | | | | 0 | |
| c. Occupational safety and health: | | | | | | 13,200 | |
| d. Other Environmental: | | | | | | 0 | |
| 12. Real Property Maintenance Backlog This Installation | | | | | | 28,414 | |

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|--|--|--|-------------------------|---------------|--------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE | |
| AIR FORCE | | | | | |
| 3. INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA | | 4. PROJECT TITLE C-17 CORROSION CONTROL FACILITY | | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 4.11.30 | 211-159 | DKFX933040 | AUTH: 18,200 | APPROP: 4,389 | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| C-17 CORROSION CONTROL FACILITY | | SM | 4,350 | 2,275 | 9,896 |
| SUPPORTING FACILITIES | | | | | 6,466 |
| UTILITIES | | LS | | | (1,259) |
| SITE IMPROVEMENTS | | LS | | | (1,219) |
| PAVEMENT DEMOLITION | | SM | 6,492 | 107 | (695) |
| ARTICULATED ELEVATED PLATFORMS | | LS | | | (3,293) |
| SUBTOTAL | | | | | 16,362 |
| CONTINGENCY (5%) | | | | | 818 |
| TOTAL CONTRACT COST | | | | | 17,180 |
| SUPERVISION, INSPECTION AND OVERHEAD (6%) | | | | | 1,031 |
| TOTAL REQUEST | | | | | 18,211 |
| TOTAL REQUEST (ROUNDED) | | | | | 18,200 |
| 10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, structural steel framing with metal panel siding and roof. Includes AFFF fire protection, ventilation/filtration, communications, environmental waste disposal, motorized door closure, demolition of existing pavements, and necessary support. Air Conditioning: 35 KW. | | | | | |
| 11. REQUIREMENT: 4,350 SM ADEQUATE: 0 SUBSTANDARD: 0 PROJECT: Construct a C-17 corrosion control facility. (New Mission) REQUIREMENT: A facility is required for C-17 aircraft and aerospace ground support equipment preventive corrosion control maintenance. New mission construction is required to safely enclose the larger C-17 tail height. The C-17 has a 60-day scheduled wash requirement. Washing aircraft and/or performing corrosion control maintenance in an enclosed facility is necessary for climatic temperature control, hot water needs, and for controlling pollutants. This facility must have sufficient lighting, heating, ventilation, and fire protection equipment to ensure a properly outfitted and safe facility to perform required corrosion control on the C-17 aircraft. CURRENT SITUATION: Currently there are no facilities which can support C-17 aircraft corrosion control maintenance requirements. The aircraft corrosion control facility was converted to a C-17 fuel cell maintenance facility in the FY92 MILCON program. It could not be structurally altered for use as a C-17 corrosion control facility. A substandard nose dock was converted to an aircraft painting facility and used until 1996 when the facility was closed down because painting operations were being performed in violaton of federal and state regulatory laws. Limited corrosion | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION CHARLESTON AIR FORCE BASE, SOUTH CAROLINA | | |
| 4. PROJECT TITLE C-17 CORROSION CONTROL FACILITY | 5. PROJECT NUMBER DKFX933040 | |
| <p>control is accomplished outside on the aircraft ramp. State regulatory agencies will permit limited painting operations on an interim basis until September, 1998, at which time aircraft painting must cease.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The C-17 Service Life Policy contract will be voided if this project is not accomplished. Without this facility, delays in corrosion control would be experienced due to inclement weather and the need to ferry aircraft to an approved paint facility. Corrosion treatment requires chemicals to dry on aircraft a specified amount of time. Weather conditions would interfere with this process, degrading the effectiveness of corrosion control. In addition, servicing of all aircraft would be significantly impacted, thus decreasing their life span.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, and new construction) was done. It indicates that new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: Lt Col Tony Cox, (803) 963-4956.</p> <p>Corrosion Control Facility: 4,350SM = 46,823SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| AIR FORCE | | |
| 3. INSTALLATION AND LOCATION | | |
| CHARLESTON AIR FORCE BASE, SOUTH CAROLINA | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER |
| C-17 CORROSION CONTROL FACILITY | | DKFX933040 |
| 12. SUPPLEMENTAL DATA: | | |
| a. Estimated Design Data: | | |
| (1) Status: | | |
| (a) Date Design Started | | 98 APR 02 |
| (b) Parametric Cost Estimates used to develop costs | | Y |
| * (c) Percent Complete as of Jan 1999 | | 15% |
| * (d) Date 35% Designed. | | 98 DEC 31 |
| (e) Date Design Complete | | 99 SEP 24 |
| (f) Energy Study/Life-Cycle analysis was/will be performed | | Y |
| (2) Basis: | | |
| (a) Standard or Definitive Design - | | YES |
| (b) Where Design Was Most Recently Used - | | MCCHORD |
| (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) | | |
| (a) Production of Plans and Specifications | | 810 |
| (b) All Other Design Costs | | 360 |
| (c) Total | | 1170 |
| (d) Contract | | 910 |
| (e) In-house | | 260 |
| (4) Construction Start | | 00 MAR |
| (5) Construction Completion | | 02 APR |
| * Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability. | | |
| b. Equipment associated with this project will be provided from other appropriations: N/A | | |

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| 1. COMPONENT | | | | | | | | | | 2. DATE | | |
| FY 2000 MILITARY CONSTRUCTION PROGRAM | | | | | | | | | | | | |
| AIR FORCE (computer generated) | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | 4. COMMAND | | | 5. AREA CONST | | | | |
| ARNOLD AIR FORCE BASE, TENNESSEE | | | | | AIR FORCE | | | COST INDEX | | | | |
| | | | | | MATERIEL COMMAND | | | 0.94 | | | | |
| 6. PERSONNEL | | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| STRENGTH | | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 98 | | | 60 | 49 | 179 | | | | | 1 | 69 | 358 |
| b. End FY 2005 | | | 50 | 38 | 160 | | | | | 1 | 69 | 318 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | | |
| a. Total Acreage: (39,081) | | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) 1,351,598 | | | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: 0 | | | | | | | | | | | | |
| d. Authorization Requested In This Program: 7,800 | | | | | | | | | | | | |
| e. Authorization Included In Following Program: (FY 2001) 0 | | | | | | | | | | | | |
| f. Planned In Next Four Program Years: 70,349 | | | | | | | | | | | | |
| g. Remaining Deficiency: 97,200 | | | | | | | | | | | | |
| h. Grand Total: 1,526,947 | | | | | | | | | | | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | | |
| CATEGORY | | | | | SCOPE | | | COST | | DESIGN STATUS | | |
| CODE | | PROJECT TITLE | | | | | | (\$000) | | START | | CMPL |
| 318-612 | | UPGRADE JET ENGINE AIR | | | | LS | | 7,800 | | TURN KEY | | |
| | | INDUCTION SYSTEM, PHASE III | | | | | | | | | | |
| | | | | | | | TOTAL: | | 7,800 | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) NONE | | | | | | | | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | | |
| 311-115 | | SUPERSONIC/HYPERSONIC PLANT | | | | LS | | 10,400 | | | | |
| | | UPGRADE | | | | | | | | | | |
| 318-614 | | B PLANT CONTROL VALVE UPGRADE | | | | LS | | 11,200 | | | | |
| 318-614 | | C PLANT CONTROL VALVE UPGRADE | | | | LS | | 4,000 | | | | |
| 318-614 | | UPGRADE JET ENGINE AIR | | | | LS | | 26,649 | | | | |
| | | INDUCTION SYSTEM, PHASE IV | | | | | | | | | | |
| 610-281 | | REPLACE FACILITY'S HEATING/ | | | | LS | | 6,000 | | | | |
| | | VENTILATION SYSTEMS | | | | | | | | | | |
| 821-156 | | RESTORE J4 STEAM PRESSURE RATE | | | | LS | | 8,000 | | | | |
| 844-367 | | MODERNIZE PRIMARY AND | | | | LS | | 4,100 | | | | |
| | | SECONDARY PUMPING STATIONS | | | | | | | | | | |
| 10. Mission or Major Functions: Arnold Engineering Development Center is a national test center which conducts development, certification, and simulated flight testing of U. S. government, commercial and international aircraft, missile, and space systems. The center develops critical new test capabilities, facilities, and technologies for future simulated flight testing. | | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | 800 | | |
| b. Water pollution: | | | | | | | | | | 600 | | |
| c. Occupational safety and health: | | | | | | | | | | 0 | | |
| d. Other Environmental: | | | | | | | | | | 500 | | |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | 13,477 | | |

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|---|--|---|-------------------------|-------------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE |
| AIR FORCE | | | | |
| 3. INSTALLATION AND LOCATION | | 4. PROJECT TITLE | | |
| ARNOLD AIR FORCE BASE, TENNESSEE | | UPGRADE JET ENGINE AIR INDUCTION SYSTEM, PHASE III | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | |
| 7.28.06 | 318-612 | ANZY993000 | AUTH: | 7,800 |
| | | | APPROP: | 1,851 |
| 9. COST ESTIMATES | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST (\$000) |
| UPGRADE JET ENGINE AIR INDUCTION SYSTEM | | | | 5,175 |
| NEW 0.3-2.0M DIA STAINLESS STEEL DUCT | | LM | 375 | 13,800 (5,175) |
| SUPPORTING FACILITIES | | | | 1,493 |
| ASBESTOS REMOVAL FROM DUCTING | | LS | | (1,055) |
| LEAD BASE PAINT ABATEMENT | | LS | | (350) |
| DEMOLITION OF EXISTING DUCT | | LS | | (50) |
| INSTRUMENT REMOVE/INSTALL | | LS | | (14) |
| SITE IMPROVEMENTS | | LS | | (24) |
| SUBTOTAL | | | | 6,668 |
| CONTINGENCY (10%) | | | | 667 |
| TOTAL CONTRACT COST | | | | 7,335 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | 418 |
| TOTAL REQUEST | | | | 7,753 |
| TOTAL REQUEST (ROUNDED) | | | | 7,800 |
| 10. Description of Proposed Construction: Replace selected carbon steel air supply ducting in the Engine Test Facility (ETF) A/B Plants with stainless steel ducting. Includes associated utility/instrumentation connections, asbestos removal, insulation of the new ducting, temperature conditioning equipment, site improvements, lead paint abatement, and all other support. | | | | |
| 11. REQUIREMENT: As required. PROJECT: Upgrade jet engine air induction system, phase III. (Current Mission) REQUIREMENT: This project eliminates contaminants in air supply ducting which provide high pressure, high temperature air to multi-million dollar altitude test cells at the Engine Test Facility (ETF). An adequate facility must be provided to simulate high altitude conditions for testing, evaluation, and development of advanced gas turbine engines for the F-15, F-16, F-22, Joint Strike Fighter (JSF), and other current, as well as, next generation aircraft. CURRENT SITUATION: The ETF is the only DoD facility which can test advanced gas turbine engines at conditions throughout their flight envelope. The ETF was constructed in the early 1950's with air supply ducting made of mild carbon steel. These ducts are now heavily corroded and produce large amounts of iron oxide (rust). Current advanced high-temperature gas turbine engines require extremely clean air during testing and future engines operating at higher temperatures will require even cleaner air. Increasing transient operability testing, which requires higher air flows and more variance in flow rates through the highly corroded ducting, greatly increases the amount of rust produced and carried to the turbine engines being tested. The rust is ingested into | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION ARNOLD AIR FORCE BASE, TENNESSEE | | |
| 4. PROJECT TITLE UPGRADE JET ENGINE AIR INDUCTION SYSTEM, PHASE III | 5. PROJECT NUMBER ANZY993000 | |
| <p>the engines, melts, and plates on combustor and turbine surfaces, clogging cooling passages and changing flow characteristics which causes engine performance degradation and damage to hardware (severe cases have caused test termination due to damage). Several programs have been initiated to limit damage from corroded air supply ducts, but have only had limited success. Partial replacement of mild carbon steel ducting with stainless steel ducting was the only alternative which proved to be successful and is the only acceptable long-term solution. Many engines have already been damaged through ingestion of rust particles. The costs to repair each damaged engine has ranged from \$50K to \$1.5M. F414 and F119 engines now undergoing testing are even more susceptible to this type of damage and will cost up to approximately \$2.5M to repair. Once an engine is repaired, it can then take another three to six months to schedule follow-on testing.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Turbine engine damage resulting from contaminated air supply ducting will continue to escalate. Jet engine turbine testing will be adversely affected and accurate test data will be unattainable, adversely impacting the reliability of future aircraft engines. There is no other military or commercial business which can assume this workload.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in part II of Military Handbook 1190, "Facility Planning and Design Guide" or in Air Force Handbook 32-1084, "Facility Requirements". No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared. This is the third phase of a multi-phased effort to remediate ingestion of rust particles into jet engines during testing. Base Civil Engineer: Maj David Young, (931) 454-3550. Stainless Steel Duct: 375LM = 1,230LF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | | | | | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION ARNOLD AIR FORCE BASE, TENNESSEE | | | | | | | | | | | | | | | | | | |
| 4. PROJECT TITLE UPGRADE JET ENGINE AIR INDUCTION SYSTEM, PHASE III | 5. PROJECT NUMBER ANZY993000 | | | | | | | | | | | | | | | | | |
| <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <table border="0"> <tr> <td>(1) Project to be accomplished by design-build procedures</td> <td></td> </tr> <tr> <td>(2) Basis:</td> <td></td> </tr> <tr> <td> (a) Standard or Definitive Design -</td> <td>YES</td> </tr> <tr> <td> (b) Where Design Was Most Recently Used -</td> <td>ARNOLD</td> </tr> <tr> <td>(3) Design Allowance</td> <td>390</td> </tr> <tr> <td>(4) Construction Start</td> <td>99 DEC</td> </tr> <tr> <td>(5) Construction Completion</td> <td>01 MAR</td> </tr> <tr> <td>(6) Energy Study/Life-Cycle analysis was/will be performed</td> <td>NA</td> </tr> </table> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> | | | (1) Project to be accomplished by design-build procedures | | (2) Basis: | | (a) Standard or Definitive Design - | YES | (b) Where Design Was Most Recently Used - | ARNOLD | (3) Design Allowance | 390 | (4) Construction Start | 99 DEC | (5) Construction Completion | 01 MAR | (6) Energy Study/Life-Cycle analysis was/will be performed | NA |
| (1) Project to be accomplished by design-build procedures | | | | | | | | | | | | | | | | | | |
| (2) Basis: | | | | | | | | | | | | | | | | | | |
| (a) Standard or Definitive Design - | YES | | | | | | | | | | | | | | | | | |
| (b) Where Design Was Most Recently Used - | ARNOLD | | | | | | | | | | | | | | | | | |
| (3) Design Allowance | 390 | | | | | | | | | | | | | | | | | |
| (4) Construction Start | 99 DEC | | | | | | | | | | | | | | | | | |
| (5) Construction Completion | 01 MAR | | | | | | | | | | | | | | | | | |
| (6) Energy Study/Life-Cycle analysis was/will be performed | NA | | | | | | | | | | | | | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | 2. DATE | |
| 3. INSTALLATION AND LOCATION LACKLAND AIR FORCE BASE, TEXAS | | | | | | 4. COMMAND AIR EDUCATION AND TRAINING COMMAND | | | 5. AREA CONST COST INDEX 0.82 | | |
| 6. PERSONNEL STRENGTH | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | TOTAL |
| | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | |
| a. As of 30 SEP 98 | | 1747 | 4776 | 2549 | 68 | 5140 | | 62 | 1756 | 25 | 16,123 |
| b. End FY 2005 | | 1751 | 5136 | 3140 | 78 | 5663 | | 62 | 1756 | 25 | 17,611 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (2,753) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) | | | | | | | | | | | 572,970 |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | | 0 |
| d. Authorization Requested In This Program: | | | | | | | | | | | 13,400 |
| e. Authorization Included In Following Program: (FY 2001) | | | | | | | | | | | 5,400 |
| f. Planned In Next Four Program Years: | | | | | | | | | | | 47,000 |
| g. Remaining Deficiency: | | | | | | | | | | | 37,600 |
| h. Grand Total: | | | | | | | | | | | 676,370 |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | | | COST | | DESIGN STATUS | | | | | |
| CODE | PROJECT TITLE | | | SCOPE | (\$000) | START | C MPL | | | | |
| 610-282 | SECURITY FORCES CENTER | | | 3,350 SM | 8,100 | APR 98 | SEP 99 | | | | |
| 721-312 | DORMITORY | | | 96 RM | 5,300 | APR 98 | MAY 99 | | | | |
| TOTAL: | | | | | 13,400 | | | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | |
| 721-312 | DORMITORY | | | 96 RM | 5,400 | | | | | | |
| TOTAL: | | | | | 5,400 | | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 130-835 | SECURITY FORCES CONSOLIDATED OPERATIONS FACILITY | | | 3,066 SM | 8,700 | | | | | | |
| 721-312 | DORMITORY | | | 96 RM | 8,500 | | | | | | |
| 721-312 | REPLACE STUDENT DORMITORY | | | 200 RM | 16,100 | | | | | | |
| 721-312 | DORMITORY | | | 96 RM | 6,600 | | | | | | |
| 740-674 | ADD TO AND ALTER PHYSICAL FITNESS CENTER | | | 2,790 SM | 3,000 | | | | | | |
| 740-884 | CHILD DEVELOPMENT CENTER | | | 2,843 SM | 4,100 | | | | | | |
| 10. Mission or Major Functions: A training wing which includes Basic Military Training School, Air Force Security Forces Center, and security forces, cryptographic maintenance, recruiting, and Air Force and Navy food service courses; Defense Language Institute, English Language Center; Department of Defense Military Working Dog Training Agency; Inter-American Air Forces Academy, 433rd Contingency Hospital and a major Air Force medical center. | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | | 771 |
| b. Water pollution: | | | | | | | | | | | 310 |
| c. Occupational safety and health: | | | | | | | | | | | 0 |
| d. Other Environmental: | | | | | | | | | | | 0 |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | | 44,684 |

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| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE | |
| AIR FORCE | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| LACKLAND AIR FORCE BASE, TEXAS | | | DORMITORY | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 8.57.96 | 721-312 | MPLS003292 | AUTH: | 5,300 | |
| | | | APPROP: | 1,257 | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| DORMITORY (96 RM) | | SM | 3,168 | 1,250 | 3,960 |
| SUPPORTING FACILITIES | | | | | 813 |
| UTILITIES | | LS | | | (324) |
| PAVEMENTS | | LS | | | (314) |
| SITE IMPROVEMENTS | | LS | | | (175) |
| SUBTOTAL | | | | | 4,773 |
| CONTINGENCY (5%) | | | | | 239 |
| TOTAL CONTRACT COST | | | | | 5,012 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 286 |
| TOTAL REQUEST | | | | | 5,298 |
| TOTAL REQUEST (ROUNDED) | | | | | 5,300 |
| 10. Description of Proposed Construction: 3-story facility consisting of concrete foundation and floor slab, structural steel framing, masonry walls and standing seam metal roof. Include room-bath/kitchen-room modules, day rooms, linen storage, mechanical equipment and communications rooms, fire protection, utilities, parking, and necessary support. Extend utility service to an unimproved area of the base. Air Conditioning: 300 KW. Grade Mix: 96 E1-E4. | | | | | |
| 11. REQUIREMENT: 1,593 RM ADEQUATE: 806 RM SUBSTANDARD: 83 RM PROJECT: Construct a dormitory. (Current Mission) REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with on-base housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and critical jobs Air Force personnel must perform. This project is in accordance with the Air Force Dormitory Plan. CURRENT SITUATION: The base has insufficient facilities to accommodate permanent party unaccompanied enlisted personnel. Personnel are forced to live off base with commuting distances over 30 minutes as a result of substandard and unsuitable housing in the immediate base vicinity. Additionally, area housing costs and utilities make living off base too expensive for many junior enlisted personnel. IMPACT IF NOT PROVIDED: Unaccompanied enlisted personnel will be forced to live off base in relatively distant and expensive quarters further degrading their morale, productivity, and career satisfaction. Lowered morale will contribute to retention difficulties for the Air Force. | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION LACKLAND AIR FORCE BASE, TEXAS | | |
| 4. PROJECT TITLE DORMITORY | 5. PROJECT NUMBER MPLS003292 | |
| <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in the new uniform barracks construction standard known as "one-plus-one" established by OSD. All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. FY97 Unaccompanied Housing RPM Conducted: \$12,154K; FY98 Unaccompanied Housing RPM Conducted: \$2,590K. Base Civil Engineer: Lt Col Larry Brittenham, (210) 671-2977. Dormitory: 3,168 SM = 34,088 SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| AIR FORCE | | |
| 3. INSTALLATION AND LOCATION | | |
| LACKLAND AIR FORCE BASE, TEXAS | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER |
| DORMITORY | | MPLS003292 |
| 12. SUPPLEMENTAL DATA: | | |
| a. Estimated Design Data: | | |
| (1) Status: | | |
| (a) Date Design Started | | 98 APR 02 |
| (b) Parametric Cost Estimates used to develop costs | | Y |
| * (c) Percent Complete as of Jan 1999 | | 15% |
| * (d) Date 35% Designed. | | 98 DEC 15 |
| (e) Date Design Complete | | 99 MAY 14 |
| (f) Energy Study/Life-Cycle analysis was/will be performed | | Y |
| (2) Basis: | | |
| (a) Standard or Definitive Design - | | YES |
| (b) Where Design Was Most Recently Used - | | LACKLAND |
| (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) | | |
| (a) Production of Plans and Specifications | | 212 |
| (b) All Other Design Costs | | 106 |
| (c) Total | | 318 |
| (d) Contract | | 238 |
| (e) In-house | | 80 |
| (4) Construction Start | | 99 DEC |
| (5) Construction Completion | | 01 JUN |
| * Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability. | | |
| b. Equipment associated with this project will be provided from other appropriations: N/A | | |

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|--|------------------|--|-------------------------|-----------|--------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | 2. DATE | |
| AIR FORCE | | (computer generated) | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| LACKLAND AIR FORCE BASE, TEXAS | | | SECURITY FORCES CENTER | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 9.12.12 | 610-282 | MPLS003285 | AUTH: 8,100 | | |
| | | | APPROP: 1,893 | | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| SECURITY FORCES CENTER (SFC) | | | | | 4,277 |
| HEADQUARTERS AND BATTLE LABORATORY | | SM | 2,698 | 1,367 | (3,688) |
| ARMORY | | SM | 150 | 1,740 | (261) |
| WAREHOUSE FACILITY | | SM | 500 | 656 | (328) |
| SUPPORTING FACILITIES | | | | | 2,984 |
| UTILITIES | | LS | | | (610) |
| SITE IMPROVEMENTS/ANTENNA RELOCATION | | LS | | | (473) |
| PAVEMENTS | | LS | | | (250) |
| SCIF SHIELDING/SECURE COMMUNICATION | | LS | | | (1,051) |
| FORCE PROTECTION MEASURES | | LS | | | (600) |
| SUBTOTAL | | | | | 7,261 |
| CONTINGENCY (5%) | | | | | 363 |
| TOTAL CONTRACT COST | | | | | 7,624 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 435 |
| TOTAL REQUEST | | | | | 8,059 |
| TOTAL REQUEST (ROUNDED) | | | | | 8,100 |
| EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD) | | | | | (2,000) |
| 10. Description of Proposed Construction: Concrete foundation and floor slab, reinforced masonry walls & metal roof for headquarters, laboratory & Sensitive Compartmented Information Facility (SCIF) operations. Construct concrete armory and a metal building on concrete slab for equipment storage. Install secure communication lines and utilities, improve site, pavements, and other work for usable facility. Air Conditioning: 400 KW. | | | | | |
| 11. REQUIREMENT: 3,350 SM ADEQUATE: 0 SUBSTANDARD: 1,977 SM PROJECT: Construct a security forces center. (New Mission) REQUIREMENT: Establish a Security Forces Center (SFC) to consolidate AF Director of Security Forces (AFDSF) with the Security Battle Laboratory (SFBL), meeting Air Force global force protection/anti-terrorism initiatives. 115 personnel with frequent temporary duty augmentation will concentrate AF efforts on world-wide terrorist threat response and will train security forces personnel on prevention and deterrence procedures. The SFC requires a secure computer modeling and simulation laboratory, secure operations center, secure video teleconferencing (VTC) capability, headquarters and administrative areas, conference center, and a library. small arms vault and equipment storage facility collocated with the administration center is required to support numerous contingency training exercises conducted by the SFC. Due to its unique and critical mission, the entire facility must be secure and protected from any possible terrorist activity. CURRENT SITUATION: Existing facilities are not available to accommodate a permanent beddown of the SFC. Temporary facilities used for initial beddown are not collocated, are in poor condition, and lack sufficient | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION LACKLAND AIR FORCE BASE, TEXAS | | |
| 4. PROJECT TITLE SECURITY FORCES CENTER | 5. PROJECT NUMBER MPLS003285 | |
| <p>space for adequate headquarters functions. Existing space is not secure and cannot be upgraded to meet sensitive compartmented information facility (SCIF) requirements, severely affecting mission effectiveness for the operations center and battle laboratory. Deteriorated building conditions and utility systems also degrade the effectiveness of computer simulation and modeling processes for the force protection battle laboratory. Current facilities also lack space to support frequent increases in personnel in the SFC due to training exercises or actual events. Other training areas such as the existing armory and warehouse are located in deteriorated facilities and do not meet resource requirements for positive control of crucial assets needed for exercise support.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The SFC will be forced to remain in the initial beddown facilities directly impacting mission effectiveness and operations. Lack of secure areas may cause a compromise of classified information with severe consequences for world-wide deployment operations. The SFC will not be able to provide the level of command and control intended by consolidation of the AFDSF and battle laboratory, degrading overall force protection/anti-terrorism initiatives. Response to actual events will be hampered by inadequately sized and functioning facilities.</p> <p><u>ADDITIONAL:</u> All known alternative options were considered during the development of this project. New construction was the only alternative that could meet the mission requirements. Therefore, an economic analysis was not needed or performed. A certificate of exception has been prepared. This project meets the criteria/ scope specified in Air Force Handbook 32-1084, "Facility Requirements," dated 1 Sep 96. Base Civil Engineer: Lt Col Larry Brittenham (210) 671-2977. Security Forces Center: 3,350 SM = 36,046 SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | 2. DATE |
| AIR FORCE | (computer generated) | | |
| 3. INSTALLATION AND LOCATION | | | |
| LACKLAND AIR FORCE BASE, TEXAS | | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER | |
| SECURITY FORCES CENTER | | MPLS003285 | |
| 12. SUPPLEMENTAL DATA: | | | |
| a. Estimated Design Data: | | | |
| (1) Status: | | | |
| (a) | Date Design Started | 98 APR 02 | |
| (b) | Parametric Cost Estimates used to develop costs | Y | |
| * (c) | Percent Complete as of Jan 1999 | 15% | |
| * (d) | Date 35% Designed. | 98 DEC 30 | |
| (e) | Date Design Complete | 99 SEP 15 | |
| (f) | Energy Study/Life-Cycle analysis was/will be performed | Y | |
| (2) Basis: | | | |
| (a) | Standard or Definitive Design - | NO | |
| (b) | Where Design Was Most Recently Used - | N/A | |
| (3) Total Cost (c) = (a) + (b) or (d) + (e): | | | (\$000) |
| (a) | Production of Plans and Specifications | 486 | |
| (b) | All Other Design Costs | 243 | |
| (c) | Total | 729 | |
| (d) | Contract | 629 | |
| (e) | In-house | 100 | |
| (4) | Construction Start | 00 JAN | |
| (5) | Construction Completion | 01 JUN | |
| * Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability. | | | |
| b. Equipment associated with this project will be provided from other appropriations: | | | |
| EQUIPMENT NOMENCLATURE | PROCURING APPROPRIATION | FISCAL YEAR APPROPRIATED OR REQUESTED | COST (\$000) |
| COMMUNICATIONS EQUIPMENT | 3080 | 2000 | 2000 |

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|---|---|-----------|-----|----------|---------------------------------------|---------|--------|--------------------|---------------|---------|---------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | 2. DATE | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | 4. COMMAND | | | 5. AREA CONST | | | |
| LAUGHLIN AIR FORCE BASE, TEXAS | | | | | AIR EDUCATION AND TRAINING COMMAND | | | COST INDEX 1.01 | | | |
| 6. PERSONNEL | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| STRENGTH | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 98 | | 425 | 559 | 868 | 235 | | | 76 | | 2 | 2,165 |
| b. End FY 2005 | | 426 | 568 | 892 | 263 | | | 76 | | 2 | 2,227 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (4,524) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) | | | | | | | | | | | 145,547 |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | | 0 |
| d. Authorization Requested In This Program: | | | | | | | | | | | 3,250 |
| e. Authorization Included In Following Program: (FY 2001) | | | | | | | | | | | 0 |
| f. Planned In Next Four Program Years: | | | | | | | | | | | 8,700 |
| g. Remaining Deficiency: | | | | | | | | | | | 6,400 |
| h. Grand Total: | | | | | | | | | | | 163,897 |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | | | | | | | COST | DESIGN STATUS | | |
| CODE | PROJECT TITLE | | | SCOPE | | (\$000) | START | CMPL | | | |
| 113-321 | JPATS BEDDOWN - ADAL VARIOUS FACILITIES | | | LS | | 3,250 | MAY 97 | JUN 99 | | | |
| | | | | | | TOTAL: | | | 3,250 | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) NONE | | | | | | | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 130-835 | CONSTRUCT LAW ENFORCEMENT FACILITY | | | 1,000 SM | | 1,500 | | | | | |
| 610-249 | CONSTRUCT WING HEADQUARTERS | | | 1,700 SM | | 3,000 | | | | | |
| 740-674 | CONSTRUCT FITNESS CENTER | | | 2,320 SM | | 4,200 | | | | | |
| 10. Mission or Major Functions: A flying training wing which conducts Undergraduate Pilot Training with T-1, T-37, and T-38 aircraft. | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | | 244 |
| b. Water pollution: | | | | | | | | | | | 25 |
| c. Occupational safety and health: | | | | | | | | | | | 0 |
| d. Other Environmental: | | | | | | | | | | | 0 |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | | 5,489 |

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| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | 2. DATE | |
| AIR FORCE | | (computer generated) | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| LAUGHLIN AIR FORCE BASE, TEXAS | | | JPATS BEDDOWN - ADAL VARIOUS FACILITIES | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 8.47.41 | 113-321 | MXDP953000 | AUTH: | 3,250 | |
| | | | APPROP: | 766 | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| JPATS BEDDOWN - ADAL VARIOUS FACILITIES | | | | | 2,475 |
| BASE SUPPLY (COMBS) WAREHOUSE | | SM | 1,100 | 520 | (572) |
| ADD SIMULATOR CONTRACT LOG SUPPORT | | SM | 550 | 1,100 | (605) |
| ALTER INSTRUMENT FLIGHT SIMULATOR | | LS | | | (200) |
| MAINTENANCE FACILITY MODIFICATIONS | | LS | | | (862) |
| TEMPORARY MAINTENANCE FACILITY | | SM | 128 | 477 | (61) |
| ALTER MISC OPS FACILITIES/RAMP | | LS | | | (175) |
| SUPPORTING FACILITIES | | | | | 300 |
| UTILITIES | | LS | | | (200) |
| PAVEMENTS/SITE IMPROVEMENTS | | LS | | | (100) |
| SUBTOTAL | | | | | 2,775 |
| CONTINGENCY (10%) | | | | | 278 |
| TOTAL CONTRACT COST | | | | | 3,053 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 174 |
| TOTAL REQUEST | | | | | 3,227 |
| TOTAL REQUEST (ROUNDED) | | | | | 3,250 |
| EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD) | | | | | (24,000) |
| 10. Description of Proposed Construction: Beddown Joint Primary Aircraft Training System (JPATS) to include ramp modifications, hangar alterations, and simulator bay additions. Construct simulator contractor logistics support (SCLS) facility, temporary maintenance facility, and contractor operated and maintenance base supply (COMBS) warehouse to include pavements, sitework, and utilities. Modify operational facilities. Air Conditioning: 105 KW. | | | | | |
| 11. REQUIREMENT: As required. | | | | | |
| PROJECT: Joint primary aircraft training system (JPATS)beddown - Add to and alter various facilities. (New Mission) | | | | | |
| REQUIREMENT: Operational facilities are needed to beddown new JPATS aircraft scheduled for initial delivery in August 2001. The beddown requires a facility for Contractor Operated and Managed Base Supply (COMBS), simulator bay modifications for new simulators, space for simulator contractor logistics support (SCLS), ramp modifications, existing hangar electrical and fire protection system modifications, and alterations to other operational support facilities. The project also includes a temporary facility to house the JPATS maintenance contractor's personnel and equipment until existing T-37 maintenance function are phased out and current permanent facilities vacated. Buildings to be modified include: Hangar 3, 93, 201, and 211. | | | | | |
| CURRENT SITUATION: Instructor pilot training is currently conducted using T-37 and T-38 aircraft. Facilities are configured for these airframes, but can be used for the T-6A with various facilities modifications. The JPATS beddown to replace all T-37's will support 25 new aircraft with the final airframe scheduled for delivery September 2003. During the time of | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION LAUGHLIN AIR FORCE BASE, TEXAS | | |
| 4. PROJECT TITLE JPATS BEDDOWN - ADAL VARIOUS FACILITIES | 5. PROJECT NUMBER MXDP953000 | |
| <p>transition, temporary areas will be required to support simultaneous T-6A and T-37 operations until the transition is complete. Other facilities, such as an enlarged simulator bay and a contractor operated base supply warehouse, are unique to the T-6A and will require new construction. The aircraft ramp does not currently have T-6A holdback fittings on the power check pad and T-6A markings on the compass calibration pad.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Failure to accomplish this project will adversely impact mission capabilities and jeopardize the beddown of the JPATS aircraft. The Air Force will not be able to fulfill agreements to provide the SCLS and COMBS contractors adequate logistics and maintenance space resulting in possible contractor claims.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction, leasing) was done. It indicates there is only one option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. Base Civil Engineer: Lt Col Gary Fellows (210)298-5059. ADAL Various Buildings: 1,778 SM = 19,131 SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | 2. DATE |
| AIR FORCE | (computer generated) | | |
| 3. INSTALLATION AND LOCATION | | | |
| LAUGHLIN AIR FORCE BASE, TEXAS | | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER | |
| JPATS BEDDOWN - ADAL VARIOUS FACILITIES | | MXDP953000 | |
| 12. SUPPLEMENTAL DATA: | | | |
| a. Estimated Design Data: | | | |
| (1) Status: | | | |
| (a) | Date Design Started | | 97 MAY 12 |
| (b) | Parametric Cost Estimates used to develop costs | | N |
| (c) | Percent Complete as of Jan 1999 | | 35% |
| (d) | Date 35% Designed. | | 97 SEP 12 |
| (e) | Date Design Complete | | 99 JUN 01 |
| (f) | Energy Study/Life-Cycle analysis was/will be performed | | Y |
| (2) Basis: | | | |
| (a) | Standard or Definitive Design - | | NO |
| (b) | Where Design Was Most Recently Used - | | N/A |
| (3) | Total Cost (c) = (a) + (b) or (d) + (e): | | (\$000) |
| (a) | Production of Plans and Specifications | | 195 |
| (b) | All Other Design Costs | | 98 |
| (c) | Total | | 293 |
| (d) | Contract | | 244 |
| (e) | In-house | | 49 |
| (4) | Construction Start | | 00 APR |
| (5) | Construction Completion | | 01 MAR |
| b. Equipment associated with this project will be provided from other appropriations: | | | |
| | EQUIPMENT NOMENCLATURE | PROCURING APPROPRIATION | FISCAL YEAR APPROPRIATED OR REQUESTED |
| | | | COST (\$000) |
| | AIRCRAFT FLIGHT SIMULATORS | 3080 | 1999 24000 |

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|--|---|---|------|----------|------------------|--------------|--------|---------------|---------|-----|--------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | 2. DATE | | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | 4. COMMAND | | | 5. AREA CONST | | | |
| HILL AIR FORCE BASE, UTAH | | | | | AIR FORCE | | | COST INDEX | | | |
| | | | | | MATERIEL COMMAND | | | 0.98 | | | |
| 6. PERSONNEL | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| STRENGTH | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 98 | | 607 | 3753 | 7752 | | | | 3489 | 4702 | 740 | 22,043 |
| b. End FY 2005 | | 625 | 3767 | 7669 | | | | 3489 | 4702 | 740 | 21,992 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (6,784) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) 665,281 | | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: 0 | | | | | | | | | | | |
| d. Authorization Requested In This Program: 4,600 | | | | | | | | | | | |
| e. Authorization Included In Following Program: (FY 2001) 17,000 | | | | | | | | | | | |
| f. Planned In Next Four Program Years: 64,500 | | | | | | | | | | | |
| g. Remaining Deficiency: 0 | | | | | | | | | | | |
| h. Grand Total: 751,381 | | | | | | | | | | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | PROJECT TITLE | | SCOPE | | COST (\$000) | | DESIGN STATUS | | | |
| CODE | | | | | | | | START | CMPL | | |
| 422-265 | CAD/PAD SPARES STORAGE FACILITY | | | 3,700 SM | | 4,600 | | TURN KEY | | | |
| | | | | | | TOTAL: | 4,600 | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | |
| 211-159 | C-130 CORROSION CONTROL FACILITY (WORKING CAPITAL FUND) | | | 6,900 SM | | 17,000 | | TURN KEY | | | |
| | | | | | | TOTAL: | 17,000 | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 171-625 | CLSS TRAINING/STORAGE FACILITY | | | 2,000 SM | | 3,600 | | | | | |
| 211-116 | C-130 FUELED AIRCRAFT MAINTENANCE HANGAR | | | 5,500 SM | | 13,000 | | | | | |
| 212-212 | MISSILE DEPOT MAINTENANCE FACILITY | | | 3,721 SM | | 9,800 | | | | | |
| 217-712 | AIRBORNE ELECTRONIC SUPPORT FACILITY | | | 9,000 SM | | 20,800 | | | | | |
| 721-312 | DORMITORY | | | 144 RM | | 9,800 | | | | | |
| 740-674 | ADD TO AND ALTER PHYSICAL FITNESS CENTER | | | 4,000 SM | | 6,000 | | | | | |
| 740-884 | CHILD DEVELOPMENT CENTER ADDITION | | | 750 SM | | 1,500 | | | | | |
| 10. Mission or Major Functions: Ogden Air Logistics Center which is responsible for logistics management, support, and depot-level maintenance of tactical missiles, F-16 aircraft, Minuteman and Peacekeeper ICBMs; AN/FPS-117 radar, composite (including B-2 composites), power systems, and software workload; a test squadron with F-16, HH-1, MH-60, and HC/NC-130 aircraft; an air base wing; an Air Combat Command fighter wing with three F-16 squadrons; and an Air Force Reserve fighter wing with one F-16 squadron. | | | | | | | | | | | |

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|--|---|-----|-----|----------|-----|-----|------------|------------------|-----|---------|-----------------------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | 2. DATE | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | HILL AIR FORCE BASE, UTAH | | | | | | 4. COMMAND | MATERIEL COMMAND | | | 5. AREA CONST COST INDEX |
| | | | | | | | | | | | 0.98 |
| 6. PERSONNEL STRENGTH | PERMANENT | | | STUDENTS | | | SUPPORTED | | | | |
| | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL | |
| a. As of | | | | | | | | | | | |
| b. End FY | | | | | | | | | | | |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: | | | | | | | | | | | |
| b. Inventory Total As Of: | | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | | |
| d. Authorization Requested In This Program: | | | | | | | | | | | |
| e. Authorization Included In Following Program: | | | | | | | | | | | |
| f. Planned In Next Four Program Years: | | | | | | | | | | | |
| g. Remaining Deficiency: | | | | | | | | | | | |
| h. Grand Total: | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | |
| a. Air pollution: 4,300 | | | | | | | | | | | |
| b. Water pollution: 1,300 | | | | | | | | | | | |
| c. Occupational safety and health: 0 | | | | | | | | | | | |
| d. Other Environmental: 0 | | | | | | | | | | | |
| 12. Real Property Maintenance Backlog This Installation 10,702 | | | | | | | | | | | |

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|--|------------------|--|---------------------------------|-----------|--------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | 2. DATE | |
| AIR FORCE | | (computer generated) | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| HILL AIR FORCE BASE, UTAH | | | CAD/PAD SPARES STORAGE FACILITY | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 7.28.96 | 422-265 | KRSM933002 | AUTH: | 4,600 | |
| | | | APPROP: | 1,081 | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| CAD/PAD SPARES STORAGE FACILITY | | SM | 3,700 | 665 | 2,461 |
| SUPPORTING FACILITIES | | | | | 1,661 |
| UTILITIES | | LS | | | (480) |
| SITE IMPROVEMENTS | | LS | | | (157) |
| PAVEMENTS | | LS | | | (300) |
| DEMOLITION | | SM | 3,808 | 110 | (419) |
| ASBESTOS REMOVAL | | SM | 3,808 | 80 | (305) |
| SUBTOTAL | | | | | 4,122 |
| CONTINGENCY (5%) | | | | | 206 |
| TOTAL CONTRACT COST | | | | | 4,328 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 247 |
| TOTAL REQUEST | | | | | 4,575 |
| TOTAL REQUEST (ROUNDED) | | | | | 4,600 |
| EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD) | | | | | (3,350) |
| 10. Description of Proposed Construction: Reinforced concrete tilt-up walls, foundations and floor slab. Structural steel frame and built-up roof. Includes associated utilities, site improvements, pavements, and asbestos abatement. This project will allow demolition of eight facilities totaling 3,808 square meters. Air Conditioning: 400 KW. | | | | | |
| 11. REQUIREMENT: 4,986 SM ADEQUATE: 1,286 SM SUBSTANDARD: 3,808 SM PROJECT: Construct a cartridge activated devices (CAD) and propellant activated devices (PAD) spares storage facility. (Current Mission) REQUIREMENT: The Worldwide Mission Capability (MICAP) supply program for CAD/PAD and inert spares has changed from 'Receive, Store, Ship' to 'Just In Time' delivery. This means that fewer CAD/PAD items are stored at the point of use and must be stored at the supply point. This new operational method has increased CAD/PAD storage by 50 percent and has emphasized the importance of a more efficient operation. This new facility will consolidate the CAD/PAD functions near the munitions shipping and receiving facility, mechanize the storage operation, and will demolish several WWII vintage facilities CURRENT SITUATION: The existing 1941 vintage facilities were built for a small arms munitions plant's storage and are located 3.5 miles from the shipping and receiving facility. This requires the CAD/PAD items to be trucked through a highly populated administrative area on the base. The current CAD/PAD operations encroach into the area used for missile repair and should be relocated. Existing CAD/PAD munitions are stored in various buildings having varied Category Codes and varied Condition Codes. None of the existing buildings currently being utilized for CAD/PAD storage or | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH | | |
| 4. PROJECT TITLE CAD/PAD SPARES STORAGE FACILITY | 5. PROJECT NUMBER KRSM933002 | |
| <p>any other buildings on the base, are suitable for the proposed automated warehouse system.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Existing inefficient operations will continue. Shipment of MICAP assets will be slow thereby affecting mission capability of aircraft fleets. The capability to meet future demands for CAD/PAD items is diminished.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared. Base Civil Engineer: Col Michael Cook, (801) 777-3071. CAD/PAD Spares Storage Facility: 3,700SM = 39,812SF. This project is funded using advance appropriation. However, full authorization is requested in the year of intial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | | | | | | | | | | | | |
|--|--|---|-------------------------------------|----|---|-----|---------------------------|----------------------------|---|-----------------|--------------------------|------|--------|------|
| 3. INSTALLATION AND LOCATION HILL AIR FORCE BASE, UTAH | | | | | | | | | | | | | | |
| 4. PROJECT TITLE CAD/PAD SPARES STORAGE FACILITY | 5. PROJECT NUMBER KRSM933002 | | | | | | | | | | | | | |
| <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by design-build procedures</p> <p>(2) Basis:</p> <table data-bbox="354 678 1393 741"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Design Allowance 230</p> <p>(4) Construction Start 99 DEC</p> <p>(5) Construction Completion 01 APR</p> <p>(6) Energy Study/Life-Cycle analysis was/will be performed Y</p> <p>b. Equipment associated with this project will be provided from other appropriations:</p> <table data-bbox="183 1123 1393 1249"> <thead> <tr> <th>EQUIPMENT NOMENCLATURE</th> <th>PROCURING APPROPRIATION</th> <th>FISCAL YEAR APPROPRIATED OR REQUESTED</th> <th>COST (\$000)</th> </tr> </thead> <tbody> <tr> <td>MATERIAL HANDLING SYSTEM</td> <td>3080</td> <td>FY2000</td> <td>3350</td> </tr> </tbody> </table> | | | (a) Standard or Definitive Design - | NO | (b) Where Design Was Most Recently Used - | N/A | EQUIPMENT NOMENCLATURE | PROCURING APPROPRIATION | FISCAL YEAR APPROPRIATED OR REQUESTED | COST (\$000) | MATERIAL HANDLING SYSTEM | 3080 | FY2000 | 3350 |
| (a) Standard or Definitive Design - | NO | | | | | | | | | | | | | |
| (b) Where Design Was Most Recently Used - | N/A | | | | | | | | | | | | | |
| EQUIPMENT NOMENCLATURE | PROCURING APPROPRIATION | FISCAL YEAR APPROPRIATED OR REQUESTED | COST (\$000) | | | | | | | | | | | |
| MATERIAL HANDLING SYSTEM | 3080 | FY2000 | 3350 | | | | | | | | | | | |

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|---|--|---|------|--------------------|--------------|-----------------------------|----------------|---------------|--------------|--------|-------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | 2. DATE | | | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | 4. COMMAND | | 5. AREA CONST COST INDEX | | | | | |
| LANGLEY AIR FORCE BASE, VIRGINIA | | | | AIR COMBAT COMMAND | | 0.91 | | | | | |
| 6. PERSONNEL STRENGTH | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 98 | | 1941 | 6054 | 1700 | | | | 63 | 115 | 279 | 10,152 |
| b. End FY 2005 | | 1945 | 6337 | 1696 | | | | 63 | 115 | 279 | 10,435 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (3,152) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) 286,893 | | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: 0 | | | | | | | | | | | |
| d. Authorization Requested In This Program: 6,300 | | | | | | | | | | | |
| e. Authorization Included In Following Program: (FY 2001) 6,900 | | | | | | | | | | | |
| f. Planned In Next Four Program Years: 42,700 | | | | | | | | | | | |
| g. Remaining Deficiency: 47,013 | | | | | | | | | | | |
| h. Grand Total: 389,806 | | | | | | | | | | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | | | | | COST | | DESIGN STATUS | | | |
| <u>CODE</u> | | <u>PROJECT TITLE</u> | | | <u>SCOPE</u> | | <u>(\$000)</u> | | <u>START</u> | | <u>CMPL</u> |
| 721-312 | | DORMITORY | | | 96 RM | | 6,300 | | APR 98 | | JUL 99 |
| | | | | | | | TOTAL: | | 6,300 | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | |
| 721-312 | | DORMITORY | | | 96 RM | | 6,900 | | | | |
| | | | | | | | TOTAL: | | 6,900 | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 112-211 | | PRIMARY TAXIWAY | | | 83,000 SM | | 9,700 | | | | |
| 113-321 | | PRIMARY PARKING APRON | | | 83,000 SM | | 9,100 | | | | |
| 721-312 | | DORMITORY | | | 96 RM | | 6,500 | | | | |
| 721-312 | | DORMITORY | | | 96 RM | | 6,800 | | | | |
| 740-674 | | PHYSICAL FITNESS CENTER | | | 4,520 SM | | 10,600 | | | | |
| 10. Mission or Major Functions: Headquarters Air Combat Command; a fighter wing with three F-15 fighter squadrons; an Air National Guard air defense detachment of F-16s; a C-21 unit; an air intelligence group; and the USAF Doctrine Center. | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | 0 | |
| b. Water pollution: | | | | | | | | | | 11,300 | |
| c. Occupational safety and health: | | | | | | | | | | 3,700 | |
| d. Other Environmental: | | | | | | | | | | 0 | |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | 31,942 | |

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|--|--|-------------------|-------------------------|--------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE |
| AIR FORCE | | | | |
| 3. INSTALLATION AND LOCATION | | 4. PROJECT TITLE | | |
| LANGLEY AIR FORCE BASE, VIRGINIA | | DORMITORY | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | |
| 2.75.96 | 721-312 | MUHJ873007 | AUTH: | 6,300 |
| | | | APPROP: | 1,486 |
| 9. COST ESTIMATES | | | | |
| ITEM | U/M | QUANTITY | UNIT COST | COST (\$000) |
| DORMITORY (96 RM) | SM | 3,168 | 1,433 | 4,540 |
| SUPPORTING FACILITIES | | | | 1,132 |
| UTILITIES | LS | | | (357) |
| PAVEMENTS | LS | | | (269) |
| SITE IMPROVEMENTS | LS | | | (463) |
| DEMOLITION | LS | | | (43) |
| SUBTOTAL | | | | 5,672 |
| CONTINGENCY (5%) | | | | 284 |
| TOTAL CONTRACT COST | | | | 5,956 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | 339 |
| TOTAL REQUEST | | | | 6,295 |
| TOTAL REQUEST (ROUNDED) | | | | 6,300 |
| 10. Description of Proposed Construction: Three-story facility with reinforced concrete foundation and floor slabs, insulated exterior masonry walls, sound attenuation, and sloped roofs. Includes room-bath/kitchen-room modules, laundry rooms, storage, lounge areas, utility room, exterior site work, fire protection systems, parking area, demolition of abandoned foundation, and all other supporting facilities. Air Conditioning: 300 KW. Grade Mix: 96 E1-E4. | | | | |
| 11. REQUIREMENT: 1,297 RM ADEQUATE: 664 RM SUBSTANDARD: 0 PROJECT: Construct a dormitory. (Current Mission) REQUIREMENT: A major Air Force objective is to provides unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation, and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. This project is in accordance with the Air Force Dormitory Master Plan. CURRENT SITUATION: The base has insufficient on-base housing to accommodate the unaccompanied enlisted personnel. Local basic allowance for housing is insufficient to cover costs of the local area as well as the additional expense of commuting. This will require personnel to live off-base in local rentals with utilities so expensive that enlisted personnel cannot afford to live off base. IMPACT IF NOT PROVIDED: Adequate living quarters which provide a level of privacy required for today's airmen will not be available, resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION LANGLEY AIR FORCE BASE, VIRGINIA | | |
| 4. PROJECT TITLE DORMITORY | 5. PROJECT NUMBER MUHJ873007 | |
| <p>ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks construction standard known as "one-plus-one", established by OSD. All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. FY 1997 Unaccompanied Housing RPM Conducted: \$200K. FY 1998 Unaccompanied Housing RPM Conducted: \$406K. Base Civil Engineer: Lt Col Gordon Janiec (757)-764-2025. Dormitory: 3,168 SM = 34,090 SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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|---|--|---------|-------------------------|-----------|---|---|---------------------------------------|-----|--------------------------|-----------|--------------------------|-----------|--|---|-------------------------------------|-----|---|---------|--|-----|----------------------------|-----|-----------|-----|--------------|-----|--------------|----|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION LANGLEY AIR FORCE BASE, VIRGINIA | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. PROJECT TITLE DORMITORY | 5. PROJECT NUMBER MUHJ873007 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>12. SUPPLEMENTAL DATA:</p> <p>a.. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>98 APR 04</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>Y</td> </tr> <tr> <td>* (c) Percent Complete as of Jan 1999</td> <td>15%</td> </tr> <tr> <td>* (d) Date 35% Designed.</td> <td>98 DEC 15</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>99 JUL 15</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td>Y</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>YES</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>LANGLEY</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>252</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>126</td> </tr> <tr> <td>(c) Total</td> <td>378</td> </tr> <tr> <td>(d) Contract</td> <td>315</td> </tr> <tr> <td>(e) In-house</td> <td>63</td> </tr> </table> <p>(4) Construction Start 00 MAR</p> <p>(5) Construction Completion 01 SEP</p> <p>* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> | | | (a) Date Design Started | 98 APR 04 | (b) Parametric Cost Estimates used to develop costs | Y | * (c) Percent Complete as of Jan 1999 | 15% | * (d) Date 35% Designed. | 98 DEC 15 | (e) Date Design Complete | 99 JUL 15 | (f) Energy Study/Life-Cycle analysis was/will be performed | Y | (a) Standard or Definitive Design - | YES | (b) Where Design Was Most Recently Used - | LANGLEY | (a) Production of Plans and Specifications | 252 | (b) All Other Design Costs | 126 | (c) Total | 378 | (d) Contract | 315 | (e) In-house | 63 |
| (a) Date Design Started | 98 APR 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Parametric Cost Estimates used to develop costs | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * (c) Percent Complete as of Jan 1999 | 15% | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * (d) Date 35% Designed. | 98 DEC 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) Date Design Complete | 99 JUL 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (f) Energy Study/Life-Cycle analysis was/will be performed | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Standard or Definitive Design - | YES | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Where Design Was Most Recently Used - | LANGLEY | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Production of Plans and Specifications | 252 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) All Other Design Costs | 126 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Total | 378 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (d) Contract | 315 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) In-house | 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | 2. DATE | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | FAIRCHILD AIR FORCE BASE, WASHINGTON | | | | | | 4. COMMAND | AIR MOBILITY COMMAND | | | 5. AREA CONST COST INDEX |
| | | | | | | | | | | | 1.05 |
| 6. PERSONNEL STRENGTH | PERMANENT | | | STUDENTS | | | SUPPORTED | | | TOTAL | |
| | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | | |
| a. As of 30 SEP 98 | 481 | 3027 | 678 | | | | 256 | 403 | 99 | 4,944 | |
| b. End FY 2005 | 395 | 2965 | 658 | | | | 256 | 403 | 99 | 4,776 | |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: | (5,823) | | | | | | | | | | |
| b. Inventory Total As Of: | (30 SEP 98) | | | | | | | | | 411,280 | |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | 0 | |
| d. Authorization Requested In This Program: | | | | | | | | | | 4,500 | |
| e. Authorization Included In Following Program: | (FY 2001) | | | | | | | | | 0 | |
| f. Planned In Next Four Program Years: | | | | | | | | | | 15,850 | |
| g. Remaining Deficiency: | | | | | | | | | | 41,950 | |
| h. Grand Total: | | | | | | | | | | 473,580 | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | | | | | COST | DESIGN STATUS | | | | |
| CODE | PROJECT TITLE | | | | SCOPE | (\$000) | START | Cmpl | | | |
| 442-758 | SURVIVAL TRAINING LOGISTICS COMPLEX | | | | 2,380 SM | 4,500 | AUG 97 | DEC 99 | | | |
| | | | | | | TOTAL: | 4,500 | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) NONE | | | | | | | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 136-666 | RUNWAY CENTERLINE LIGHTING | | | | LS | 1,950 | | | | | |
| 442-758 | FLIGHTLINE SUPPORT FACILITY | | | | 5,215 SM | 9,100 | | | | | |
| 610-249 | MISSION SUPPORT FACILITY | | | | 2,700 SM | 4,800 | | | | | |
| 10. Mission or Major Functions: An air refueling wing with four KC-135 squadrons; a UH-1 squadron; a Washington ANG KC-135 squadron; home of USAF's Survival School. | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | 0 | | |
| b. Water pollution: | | | | | | | | | 0 | | |
| c. Occupational safety and health: | | | | | | | | | 0 | | |
| d. Other Environmental: | | | | | | | | | 0 | | |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | 27,922 | |

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|--|--|--|-------------------------|--------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE |
| AIR FORCE | | | | |
| 3. INSTALLATION AND LOCATION | | 4. PROJECT TITLE | | |
| FAIRCHILD AIR FORCE BASE, WASHINGTON | | SURVIVAL TRAINING LOGISTICS COMPLEX | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | |
| 8.57.96 | 442-758 | GJKZ920013 | AUTH: | 4,500 |
| | | | APPROP: | 1,071 |
| 9. COST ESTIMATES | | | | |
| ITEM | U/M | QUANTITY | UNIT COST | COST (\$000) |
| SURVIVAL TRAINING LOGISTICS COMPLEX | SM | 2,380 | | 2,455 |
| SUPPLIES & EQUIP WHSE | SM | 1,670 | 780 | (1,303) |
| VEHICLE MAINTENANCE SHOP | SM | 500 | 1,642 | (821) |
| SUPPLY MANAGEMENT/VEH OPERATIONS MGT | SM | 210 | 1,576 | (331) |
| SUPPORTING FACILITIES | | | | 1,585 |
| UTILITIES | LS | | | (451) |
| SITE IMPROVEMENTS | LS | | | (267) |
| PAVEMENTS | LS | | | (357) |
| ASBESTOS/LBP | LS | | | (335) |
| DEMOLITION | SM | 1,400 | 125 | (175) |
| SUBTOTAL | | | | 4,040 |
| CONTINGENCY (5%) | | | | 202 |
| TOTAL CONTRACT COST | | | | 4,242 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | 242 |
| TOTAL REQUEST | | | | 4,484 |
| TOTAL REQUEST (ROUNDED) | | | | 4,500 |
| 10. Description of Proposed Construction: Reinforced concrete foundation, steel framing, insulated masonry shell and metal roof. Includes space for new supply warehouse, vehicle maintenance facility, management space, vehicle parking area, wash rack, and other support. Also constructs an access road and utility lines. Demolish three buildings(1,400 SM) including asbestos/LBP removal and disposal. Air Conditioning: 45 KW. | | | | |
| 11. REQUIREMENT: 2,380 SM ADEQUATE: 0 SUBSTANDARD: 2,465 SM PROJECT: Construct new logistics complex (Current Mission) REQUIREMENT: Provide adequate space for supplies, equipment, and vehicles for survival training functions. Survival training requires specialized supplies, equipment, and special purpose vehicles. This project provides the necessary space to house all equipment and supplies in one central area providing better access, inventory control, and resource protection. This project also provides upgraded utilities needed for fire protection and the increased power requirements of modern facilities. CURRENT SITUATION: The existing facilities were constructed in 1952 for the Dept of Energy. The age, current condition, and lack of proper HVAC preclude any renovation or upgrade. Survival training requires large stores of unique mission supplies and equipment, and 79 vehicles of which 36 are special purpose vehicles requiring constant maintenance. Equipment is stored in various unsuitable locations such as basements, make-shift containment areas and in main-base storage areas which have been programmed for demolition. This makes inventory control and resource protection difficult, and staging difficulties result in lost training time. Space limitations also force us to perform student issue and | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION FAIRCHILD AIR FORCE BASE, WASHINGTON | | |
| 4. PROJECT TITLE SURVIVAL TRAINING LOGISTICS COMPLEX | 5. PROJECT NUMBER GJKZ920013 | |
| <p>turn-in outside in the parking lot which further hinders equipment accountability, especially during inclement weather. The limited space and lack of required equipment severely hinders our ability to maintain the fleet of vehicles necessary to support the training mission. The current facility lacks an adequate wash rack area, welding area, hazardous waste storage area, inadequate hoist, and sufficient work area to safely maintain our vehicles.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Ability to provide logistic support of the training mission will continue to deteriorate causing delays; additional funding for contract repairs, reductions in vehicle availability and condition, and a loss of valuable training time. Personnel safety will also continue to be a critical issue. Students, instructors, and workers will continue working within a hazardous condition area. Mechanics will continue working in areas without adequate work clearance, and in some cases proper equipment.</p> <p><u>ADDITIONAL:</u> A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, new construction or leasing) was done. It indicates new construction is the only option that will comply with explosive safety policy and meet mission requirements. A certificate of exception has been prepared. This project meet the criteria/scope specified in the Air Force Handbook 32-1084, "Facility Requirements". Base Civil Engineer: Maj Wayland Patterson, (509) 247-2291. Logistics Complex: 2,380 SM = 25,609 SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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|---|--|---------|-------------------------|-----------|---|---|-------------------------------------|-----|------------------------|-----------|--------------------------|-----------|--|---|-------------------------------------|----|---|-----|--|-----|----------------------------|-----|-----------|-----|--------------|-----|--------------|----|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION FAIRCHILD AIR FORCE BASE, WASHINGTON | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. PROJECT TITLE SURVIVAL TRAINING LOGISTICS COMPLEX | 5. PROJECT NUMBER GJKZ920013 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>97 AUG 01</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>N</td> </tr> <tr> <td>(c) Percent Complete as of Jan 1999</td> <td>35%</td> </tr> <tr> <td>(d) Date 35% Designed.</td> <td>97 AUG 31</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>99 SEP 15</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td>Y</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>270</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>135</td> </tr> <tr> <td>(c) Total</td> <td>405</td> </tr> <tr> <td>(d) Contract</td> <td>355</td> </tr> <tr> <td>(e) In-house</td> <td>50</td> </tr> </table> <p>(4) Construction Start 00 JAN</p> <p>(5) Construction Completion 01 APR</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> | | | (a) Date Design Started | 97 AUG 01 | (b) Parametric Cost Estimates used to develop costs | N | (c) Percent Complete as of Jan 1999 | 35% | (d) Date 35% Designed. | 97 AUG 31 | (e) Date Design Complete | 99 SEP 15 | (f) Energy Study/Life-Cycle analysis was/will be performed | Y | (a) Standard or Definitive Design - | NO | (b) Where Design Was Most Recently Used - | N/A | (a) Production of Plans and Specifications | 270 | (b) All Other Design Costs | 135 | (c) Total | 405 | (d) Contract | 355 | (e) In-house | 50 |
| (a) Date Design Started | 97 AUG 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Parametric Cost Estimates used to develop costs | N | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Percent Complete as of Jan 1999 | 35% | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (d) Date 35% Designed. | 97 AUG 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) Date Design Complete | 99 SEP 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (f) Energy Study/Life-Cycle analysis was/will be performed | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Standard or Definitive Design - | NO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Where Design Was Most Recently Used - | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Production of Plans and Specifications | 270 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) All Other Design Costs | 135 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Total | 405 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (d) Contract | 355 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) In-house | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|---|---|---|------|-------------------------|-----------|--------|--------------------------|---------------|-----|--------|-------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | 2. DATE | | | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | 4. COMMAND | | | 5. AREA CONST COST INDEX | | | | |
| MCCHORD AIR FORCE BASE, WASHINGTON | | | | AIR MOBILITY COMMAND | | | 1.10 | | | | |
| 6. PERSONNEL STRENGTH | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 98 | | 455 | 3138 | 994 | | | | 4 | 5 | 167 | 4,763 |
| b. End FY 2005 | | 495 | 3147 | 969 | | | | 4 | 5 | 167 | 4,787 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (4,639) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) 249,436 | | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: 0 | | | | | | | | | | | |
| d. Authorization Requested In This Program: 7,900 | | | | | | | | | | | |
| e. Authorization Included In Following Program: (FY 2001) 8,900 | | | | | | | | | | | |
| f. Planned In Next Four Program Years: 18,987 | | | | | | | | | | | |
| g. Remaining Deficiency: 67,400 | | | | | | | | | | | |
| h. Grand Total: 352,523 | | | | | | | | | | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | PROJECT TITLE | | | | SCOPE | COST (\$000) | DESIGN STATUS | | | |
| CODE | | | | | | | START | Cmpl | | | |
| 141-753 | C-17 SQUADRON OPERATIONS AIRCRAFT MAINTENANCE UNIT | | | | 3,750 SM | 7,900 | APR 98 | SEP 99 | | | |
| | | | | | | TOTAL: | 7,900 | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | |
| 141-753 | C-17 SQUADRON OPERATIONS AIRCRAFT MAINTENANCE UNIT | | | | 3,300 SM | 6,900 | | | | | |
| 211-173 | C-17 ADD/ALTER NOSE DOCKS | | | | LS | 2,000 | | | | | |
| | | | | | | TOTAL: | 8,900 | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 214-425 | VEHICLE CORROSION CONTROL FACILITY | | | | 691 SM | 1,900 | | | | | |
| 610-000 | ADD/ALTER MISSION SUPPORT CENTER | | | | 10,047 SM | 11,687 | | | | | |
| 740-674 | PHYSICAL FITNESS CENTER | | | | 3,154 SM | 5,400 | | | | | |
| 10. Mission or Major Functions: An airlift wing with three C-141 squadrons; an Air Force Reserve C-141 associate airlift wing; and the Western Air Defense Sector; which is assigned to the Air National Guard. | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | 0 | |
| b. Water pollution: | | | | | | | | | | 0 | |
| c. Occupational safety and health: | | | | | | | | | | 0 | |
| d. Other Environmental: | | | | | | | | | | 0 | |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | 10,201 | |

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|--|------------------|--|---|-----------|--------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE | |
| AIR FORCE | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| MCCHORD AIR FORCE BASE, WASHINGTON | | | C-17 SQUADRON OPERATIONS AIRCRAFT MAINTENANCE UNIT | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 4.11.30 | 141-753 | PQWY003051 | AUTH: 7,900 APPROP: 1,858 | | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| C-17 SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT | | SM | 3,750 | 1,551 | 5,816 |
| SUPPORTING FACILITIES | | | | | 1,302 |
| UTILITIES | | LS | | | (455) |
| PAVEMENTS | | LS | | | (462) |
| SITE IMPROVEMENTS | | LS | | | (175) |
| DEMOLITION | | SM | 700 | 121 | (85) |
| ELEVATOR | | EA | 1 | 125,000 | (125) |
| SUBTOTAL | | | | | 7,118 |
| CONTINGENCY (5%) | | | | | 356 |
| TOTAL CONTRACT COST | | | | | 7,474 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 426 |
| TOTAL REQUEST | | | | | 7,900 |
| TOTAL REQUEST (ROUNDED) | | | | | 7,900 |
| 10. Description of Proposed Construction: Two-story facility with concrete foundation, masonry walls, structural steel frame, sloping roof system, fire protection system, utilities, elevator, site improvements and parking, demolition of 700 square meters, and necessary support. Air Conditioning: 75 KW. | | | | | |
| 11. REQUIREMENT: 13,786 SM ADEQUATE: 2,940 SM SUBSTANDARD: 6,181 SM PROJECT: Construct a squadron operations/aircraft maintenance unit (Sq Ops/AMU). (New Mission) REQUIREMENT: This project is required to consolidate Air Mobility operational squadrons by collocating aircraft operators with aircraft maintainers. This is the third of four Sq Ops/AMU facilities required to house the C-17/C-141 squadrons. Squadrons will operate a combination of 48 C-17/C-141s until all 48 C-17s arrive. The consolidation relocates flyers and maintainers out of undersized, interim, and dispersed facilities into a functional and adequately sized structure. Space is required for Ops/AMU management support, briefing/debriefing, flight planning, training and testing, standardization/evaluation, tool rooms, locker rooms, flying/ground safety, bench stock, mobility office, scheduling, and a technical order library. Consolidation and resulting efficiencies are essential to maintain mission tasking rates. CURRENT SITUATION: There are no adequate facilities to support consolidated Sq Ops/AMU operations at McChord AFB. Currently, there are three operations and two maintenance facilities in use. These facilities provide less than half of the required space and are scattered throughout McChord AFB. The operations personnel are working in overcrowded, improperly configured facilities far from the squadron maintenance (AMU) | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION MCCHORD AIR FORCE BASE, WASHINGTON | | |
| 4. PROJECT TITLE C-17 SQUADRON OPERATIONS AIRCRAFT MAINTENANCE UNIT | 5. PROJECT NUMBER PQWY003051 | |
| <p>personnel on the flightline. The AMU occupies an overcrowded, improperly configured, and temporary modular facility approved for use until the completion of this project. The associated squadron life support function is shoehorned in with two other squadron life support elements in a single overcrowded facility at a third location on base. This physical separation creates fragmented lines of communications and authority. The project includes demolition of one facility totaling 700 square meters.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Operations, maintenance, and support personnel will remain in separate, undersized, and interim buildings and will never develop the cohesiveness necessary to become an efficient and effective operational squadron. The geographic separation will continue to hamper the lines of authority and communication throughout the squadron. Essential squadron operations and logistic functions will continue to require extensive work-arounds that will degrade mission performance.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." A preliminary analysis of reasonable options for accomplishing this project (status quo, addition/alteration, and new construction) was done. It indicates there is only one option that will meet operational requirements. Because of this a full economic analysis was not performed. A certificate of exception has been prepared. BASE CIVIL ENGINEER: LTC William Greenough, (253) 984-5209. Squadron Operations/AMU Facility: 3,750SM = 40,385SF</p> <p>This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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|--|--|---------|-------------------------|-----------|---|---|---------------------------------------|-----|--------------------------|-----------|--------------------------|-----------|--|---|-------------------------------------|-----|---|---------|--|-----|----------------------------|-----|-----------|-----|--------------|-----|--------------|-----|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION MCCHORD AIR FORCE BASE, WASHINGTON | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. PROJECT TITLE C-17 SQUADRON OPERATIONS AIRCRAFT MAINTENANCE UNIT | 5. PROJECT NUMBER PQWY003051 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>12. SUPPLEMENTAL DATA:</p> <p>a.. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>98 APR 02</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>Y</td> </tr> <tr> <td>* (c) Percent Complete as of Jan 1999</td> <td>15%</td> </tr> <tr> <td>* (d) Date 35% Designed.</td> <td>98 OCT 09</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>99 SEP 24</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td>Y</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>YES</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>MCCHORD</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>356</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>158</td> </tr> <tr> <td>(c) Total</td> <td>514</td> </tr> <tr> <td>(d) Contract</td> <td>395</td> </tr> <tr> <td>(e) In-house</td> <td>119</td> </tr> </table> <p>(4) Construction Start 00 FEB</p> <p>(5) Construction Completion 01 JUN</p> <p>* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> | | | (a) Date Design Started | 98 APR 02 | (b) Parametric Cost Estimates used to develop costs | Y | * (c) Percent Complete as of Jan 1999 | 15% | * (d) Date 35% Designed. | 98 OCT 09 | (e) Date Design Complete | 99 SEP 24 | (f) Energy Study/Life-Cycle analysis was/will be performed | Y | (a) Standard or Definitive Design - | YES | (b) Where Design Was Most Recently Used - | MCCHORD | (a) Production of Plans and Specifications | 356 | (b) All Other Design Costs | 158 | (c) Total | 514 | (d) Contract | 395 | (e) In-house | 119 |
| (a) Date Design Started | 98 APR 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Parametric Cost Estimates used to develop costs | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * (c) Percent Complete as of Jan 1999 | 15% | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * (d) Date 35% Designed. | 98 OCT 09 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) Date Design Complete | 99 SEP 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (f) Energy Study/Life-Cycle analysis was/will be performed | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Standard or Definitive Design - | YES | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Where Design Was Most Recently Used - | MCCHORD | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Production of Plans and Specifications | 356 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) All Other Design Costs | 158 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Total | 514 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (d) Contract | 395 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) In-house | 119 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | 2. DATE |
| AIR FORCE | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | ANDERSEN AIR FORCE BASE, GUAM | | | 4. COMMAND | | | PACIFIC AIR FORCES | | | 5. AREA CONST COST INDEX 2.00 |
| 6. PERSONNEL STRENGTH | PERMANENT | | | STUDENTS | | | SUPPORTED | | | TOTAL |
| | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | |
| a. As of 30 SEP 98 | 206 | 1809 | 471 | | | | 71 | 420 | 444 | 3,421 |
| b. End FY 2005 | 200 | 1800 | 461 | | | | 71 | 420 | 444 | 3,396 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | |
| a. Total Acreage: (11,050) | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) | | | | | | | | | | 401,874 |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | 0 |
| d. Authorization Requested In This Program: | | | | | | | | | | 8,900 |
| e. Authorization Included In Following Program: (FY 2001) | | | | | | | | | | 0 |
| f. Planned In Next Four Program Years: | | | | | | | | | | 52,084 |
| g. Remaining Deficiency: | | | | | | | | | | 113,500 |
| h. Grand Total: | | | | | | | | | | 576,358 |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | |
| CATEGORY | | | | | | | | | | |
| CODE | PROJECT TITLE | | | | SCOPE | COST (\$000) | DESIGN START | STATUS CMPL | | |
| 833-360 | LANDFILL CLOSURE | | | | 93,111 SM | 8,900 | APR 98 | AUG 99 | | |
| TOTAL: | | | | | | 8,900 | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) NONE | | | | | | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | |
| 211-111 | MAINTENANCE HANGAR | | | | 4,400 SM | 25,800 | | | | |
| 442-758 | CONSTRUCT WRM STORAGE FACILITY | | | | 1,860 SM | 4,200 | | | | |
| 610-127 | BASE CIVIL ENGINEER COMPLEX | | | | 8,067 SM | 9,000 | | | | |
| 730-835 | SECURITY FORCES OPERATIONS | | | | 1,301 SM | 4,034 | | | | |
| 730-842 | CONSTRUCT MILITARY DOG KENNEL | | | | 263 SM | 850 | | | | |
| 740-674 | RENOVATE PHYSICAL FITNESS CENTER | | | | LS | 8,200 | | | | |
| 10. Mission or Major Functions: The host air base wing supports headquarters Thirteenth Air Force which is responsible to PACAF to plan, execute and control aerospace operations throughout the Southwest Pacific and Indian Ocean areas of responsibility. | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | 0 |
| b. Water pollution: | | | | | | | | | | 0 |
| c. Occupational safety and health: | | | | | | | | | | 0 |
| d. Other Environmental: | | | | | | | | | | 0 |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | 75,554 |

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| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE | |
| AIR FORCE | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| ANDERSEN AIR FORCE BASE, GUAM | | | LANDFILL CLOSURE | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 2.74.56 | 833-360 | AJJY971614 | AUTH: | 8,900 | |
| | | | APPROP: | 2,097 | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| LANDFILL CLOSURE | | LS | | | 7,522 |
| GEOSYNTHETIC CLAY LINER | | SM | 100,300 | 10 | (1,003) |
| HIGH DENSITY POLYETHYLENE LINER | | SM | 100,300 | 15 | (1,505) |
| SUBGRADE FILL | | CM | 59,600 | 40 | (2,384) |
| SUBGRADE SELECT FILL/TOPSOIL | | CM | 34,000 | 46 | (1,564) |
| GRADING | | HA | 9 | 13,333 | (120) |
| GRASSING | | SM | 100,300 | 3 | (301) |
| METHANE GAS SYSTEM | | LS | | | (645) |
| SUPPORTING FACILITIES | | | | | 70 |
| SURVEY AND INDEPENDENT QC | | LS | | | (70) |
| SUBTOTAL | | | | | 7,592 |
| CONTINGENCY (10%) | | | | | 759 |
| TOTAL CONTRACT COST | | | | | 8,351 |
| SUPERVISION, INSPECTION AND OVERHEAD (6.5%) | | | | | 543 |
| TOTAL REQUEST | | | | | 8,894 |
| TOTAL REQUEST (ROUNDED) | | | | | 8,900 |
| 10. Description of Proposed Construction: Close 9.3 hectares of existing solid waste landfill. Cover specified landfill with select fill material, install gas ventilators, and close with cover system. | | | | | |
| 11. REQUIREMENT: 100,300 SM ADEQUATE: 0 SUBSTANDARD: 100,300 SM PROJECT: Landfill closure. (Current Mission) REQUIREMENT: This is a Level I environmental compliance requirement. A system to minimize infiltration and erosion is required by 40 CFR Part 258.60(a) to properly close the Municipal Solid Waste Landfill (MSWL) at Andersen AFB, Guam. CURRENT SITUATION: The Andersen MSWL is located over Guam's sole source aquifer. High concentrations of methane gas and disease-causing vectors are public health threats. A Notice of Violation was issued in 1990. IMPACT IF NOT PROVIDED: The landfill will continue to degrade through erosion, increasing risk of disease. The Air Force will continue to be in violation of Federal regulations, risking litigation and forced compliance. ADDITIONAL: This project is the only alternative for closure of the existing landfill in accordance with Federal regulations. This project meets the criteria/scope in Air Force Handbook 32-1021, "Civil Engineering Facility Requirements" and Air Force Instruction 32-7042, "Solid and Hazardous Waste Compliance." BASE CIVIL ENGINEER: Lt Col Eunice, 671-366-7101. CLAY LINER: 100300SM = 119246SY; FILL: 59600CM = 77696CY; FILL:34000CM = 44323CY. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. | | | | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| AIR FORCE | | |
| 3. INSTALLATION AND LOCATION | | |
| ANDERSEN AIR FORCE BASE, GUAM | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER |
| LANDFILL CLOSURE | | AJJY971614 |
| 12. SUPPLEMENTAL DATA: | | |
| a. Estimated Design Data: | | |
| (1) Status: | | |
| (a) Date Design Started | | 98 APR 02 |
| (b) Parametric Cost Estimates used to develop costs | | Y |
| * (c) Percent Complete as of Jan 1999 | | 15% |
| * (d) Date 35% Designed. | | 98 DEC 30 |
| (e) Date Design Complete | | 99 AUG 15 |
| (f) Energy Study/Life-Cycle analysis was/will be performed | | NA |
| (2) Basis: | | |
| (a) Standard or Definitive Design - | | NO |
| (b) Where Design Was Most Recently Used - | | N/A |
| (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) | | |
| (a) Production of Plans and Specifications | | 534 |
| (b) All Other Design Costs | | 267 |
| (c) Total | | 801 |
| (d) Contract | | 712 |
| (e) In-house | | 89 |
| (4) Construction Start | | 99 DEC |
| (5) Construction Completion | | 01 JUN |
| * Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability. | | |
| b. Equipment associated with this project will be provided from other appropriations: N/A | | |

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|---|---|---------------------------------|------|------------------------------------|----------|----------------|--------------------------|---------------|-----|--------------|-------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | 2. DATE | | | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | 4. COMMAND | | | 5. AREA CONST COST INDEX | | | | |
| AVIANO AIR BASE, ITALY | | | | UNITED STATES AIR FORCES IN EUROPE | | | 1.13 | | | | |
| 6. PERSONNEL STRENGTH | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 98 | | 371 | 3243 | 579 | | | | 106 | 533 | 184 | 5,016 |
| b. End FY 2005 | | 367 | 3329 | 561 | | | | 106 | 533 | 184 | 5,080 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (1,199) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) 35,262 | | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: 0 | | | | | | | | | | | |
| d. Authorization Requested In This Program: 3,700 | | | | | | | | | | | |
| e. Authorization Included In Following Program: (FY 2001) 8,200 | | | | | | | | | | | |
| f. Planned In Next Four Program Years: 46,929 | | | | | | | | | | | |
| g. Remaining Deficiency: 29,750 | | | | | | | | | | | |
| h. Grand Total: 123,841 | | | | | | | | | | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | PROJECT TITLE | | SCOPE | | COST (\$000) | | DESIGN STATUS | | | |
| <u>CODE</u> | | <u>PROJECT TITLE</u> | | <u>SCOPE</u> | | <u>(\$000)</u> | | <u>START</u> | | <u>CMPLE</u> | |
| 134-375 | | RADAR APPROACH CONTROL FACILITY | | 909 SM | | 3,700 | | JAN 99 | | SEP 99 | |
| | | | | | | TOTAL: | | 3,700 | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | |
| 721-312 | | DORMITORY | | 102 RM | | 8,200 | | | | | |
| | | | | | | TOTAL: | | 8,200 | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 113-321 | | SOUTHSIDE RAMP - PH 1 | | 55,000 SM | | 13,429 | | | | | |
| 113-321 | | SOUTHSIDE RAMP - PH 2 | | 55,000 SM | | 14,800 | | | | | |
| 141-453 | | BASE OPERATIONS | | 2,200 SM | | 2,900 | | | | | |
| 171-475 | | INDOOR FIRING RANGE | | 1,483 SM | | 3,000 | | | | | |
| 442-758 | | AIR CONTROL SQUADRON WAREHOUSE | | 2,120 SM | | 3,900 | | | | | |
| 721-312 | | DORMITORY | | 102 RM | | 7,900 | | | | | |
| 730-443 | | CONSTRUCT POST OFFICE | | 700 SM | | 1,000 | | | | | |
| 10. Mission or Major Functions: The host fighter wing supports two permanently assigned F-16 squadrons, multiservice/multinational forces in support of OPERATION JOINT FORGE/DELIBERATE FORGE, and hosts headquarters Sixteenth Air Force. | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | 0 | |
| b. Water pollution: | | | | | | | | | | 0 | |
| c. Occupational safety and health: | | | | | | | | | | 0 | |
| d. Other Environmental: | | | | | | | | | | 0 | |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | 15,058 | |

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|--|------------------|--|---------------------------------|-----------|--------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE | |
| AIR FORCE | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| AVIANO AIR FORCE BASE, ITALY | | | RADAR APPROACH CONTROL FACILITY | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 2.75.96 | 134-375 | ASHE013005 | AUTH: 3,700 APPROP: 966 | | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| RADAR APPROACH CONTROL FACILITY | | SM | 909 | 3,039 | 2,762 |
| SUPPORTING FACILITIES | | | | | 530 |
| UTILITIES | | LS | | | (175) |
| PAVEMENTS | | LS | | | (175) |
| SITE IMPROVEMENTS | | LS | | | (110) |
| DEMOLITION | | SM | 232 | 86 | (20) |
| FORCE PROTECTION/ANTITERRORISM | | LS | | | (50) |
| SUBTOTAL | | | | | 3,292 |
| CONTINGENCY (5%) | | | | | 165 |
| TOTAL CONTRACT COST | | | | | 3,457 |
| SUPERVISION, INSPECTION AND OVERHEAD (6.5%) | | | | | 225 |
| TOTAL REQUEST | | | | | 3,682 |
| TOTAL REQUEST (ROUNDED) | | | | | 3,700 |
| EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD) | | | | | (517) |
| FCF BUDGET RATE USED: LIRA 1,695.000 | | | | | |
| 10. Description of Proposed Construction: Reinforced concrete foundation and slabs, structural frame, masonry walls, and pitched roof. Includes fire protection, pavements, site work, and utilities. Force protection measures will be incorporated IAW USAF Installation Force Protection guide. Demolish two facilities (232 SM) Air Conditioning: 146 KW. | | | | | |
| 11. REQUIREMENT: 909 SM ADEQUATE: 0 SUBSTANDARD: 233 SM PROJECT: Construct a radar approach control facility (RAPCON). (Current Mission) REQUIREMENT: A properly constructed and equipped facility is required to accommodate radar controllers, support staff, and necessary equipment for terminal air traffic control operations using radar and non-radar capabilities to provide approach control services for aircraft arriving, departing, or operating in Aviano controlled airspace. The RAPCON function provides air traffic control services for an extremely high operations tempo of aircraft supporting European peacekeeping operations. As a critical control function for busy airspace, the facility should also be protected from and deter potential terrorist activity. CURRENT SITUATION: Existing deteriorated facilities are temporary ground approach control (GAC) modules (trailers affixed to a concrete foundation) installed in the 1960's. The current operations area provide only 33% of the total requirement, based on an average daily aircraft load. The current configuration only accommodates 11 operating positions to support wing operations. Due to substantially increased aircraft movement, 29 radar controllers are currently assigned and will increase to 40 controllers by FY01. The current configuration utilizes antiquated air | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION AVIANO AIR FORCE BASE, ITALY | | |
| 4. PROJECT TITLE RADAR APPROACH CONTROL FACILITY | 5. PROJECT NUMBER ASHE013005 | |
| <p>traffic control equipment, resulting in inefficient and extremely restricted use of space. State-of-the-art equipment programmed with a new control tower to handle increased operations will not be able to be installed and operate in the current facility due to space and the deteriorated state of facility utility systems.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Crucial aircraft operations will continue to be controlled with old, outdated equipment in an extremely deteriorated facility. A cramped and crowded air traffic control center will continue to detract from the effectiveness and efficiency of personnel assigned to handle the extremely busy airspace, leading to potentially tragic results. New equipment cannot be installed in the current facility and will require extensive work-arounds and temporary actions to allow operation.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". This project is not eligible for NATO funding. However, a precautionary prefinance statement will be submitted in the event future eligibility is established. An economic analysis has been prepared comparing construction, add/alter, and leased facilities. New construction was found to be the only acceptable alternative. Base Civil Engineer: Lt Col Mark Correl, 011-39-434-66-7500. Radar Approach Control Facility: 909 SM = 9,781 SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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|--|--|----------------------------|---|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | 2. DATE |
| AIR FORCE | (computer generated) | | |
| 3. INSTALLATION AND LOCATION | | | |
| AVIANO AIR FORCE BASE, ITALY | | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER | |
| RADAR APPROACH CONTROL FACILITY | | ASHE013005 | |
| 12. SUPPLEMENTAL DATA: | | | |
| a.. Estimated Design Data: | | | |
| (1) Status: | | | |
| (a) | Date Design Started | 99 JAN 13 | |
| (b) | Parametric Cost Estimates used to develop costs | Y | |
| * (c) | Percent Complete as of Jan 1999 | 1% | |
| * (d) | Date 35% Designed. | 99 MAY 15 | |
| (e) | Date Design Complete | 99 SEP 15 | |
| (f) | Energy Study/Life-Cycle analysis was/will be performed | Y | |
| (2) Basis: | | | |
| (a) | Standard or Definitive Design - | NO | |
| (b) | Where Design Was Most Recently Used - | N/A | |
| (3) | Total Cost (c) = (a) + (b) or (d) + (e): | | (\$000) |
| (a) | Production of Plans and Specifications | 222 | |
| (b) | All Other Design Costs | 111 | |
| (c) | Total | 333 | |
| (d) | Contract | 277 | |
| (e) | In-house | 56 | |
| (4) | Construction Start | 00 JAN | |
| (5) | Construction Completion | 01 MAR | |
| * Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability. | | | |
| b. Equipment associated with this project will be provided from other appropriations: | | | |
| | EQUIPMENT NOMENCLATURE | PROCURING APPROPRIATION | FISCAL YEAR APPROPRIATED OR REQUESTED |
| | | | COST (\$000) |
| | PREWIRED WORK STATIONS | 3400 | 2001 517 |

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|--|---|---|------|-----|--------------------|--------------|--------|-----------------------------|---------|--------------------------|--------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | 2. DATE | | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | 4. COMMAND | | | 5. AREA CONST COST INDEX | | | |
| OSAN AIR BASE, KOREA | | | | | PACIFIC AIR FORCES | | | 1.05 | | | |
| 6. PERSONNEL | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| STRENGTH | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 98 | | 548 | 4551 | 670 | | | | 1084 | 4838 | 595 | 12,286 |
| b. End FY 2005 | | 566 | 4779 | 663 | | | | 1084 | 4838 | 595 | 12,525 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (1,777) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) 380,726 | | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: 0 | | | | | | | | | | | |
| d. Authorization Requested In This Program: 19,600 | | | | | | | | | | | |
| e. Authorization Included In Following Program: (FY 2001) 27,600 | | | | | | | | | | | |
| f. Planned In Next Four Program Years: 28,153 | | | | | | | | | | | |
| g. Remaining Deficiency: 0 | | | | | | | | | | | |
| h. Grand Total: 456,079 | | | | | | | | | | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | | | | | COST | | DESIGN STATUS | | | |
| <u>CODE</u> | | <u>PROJECT TITLE</u> | | | | <u>SCOPE</u> | | <u>(\$000)</u> | | <u>START</u> <u>CMPL</u> | |
| 721-312 | DORMITORY | | | | | 156 RM | 12,000 | APR 98 | AUG 99 | | |
| 740-674 | ADD TO AND ALTER PHYSICAL FITNESS CENTER | | | | | 5,041 SM | 7,600 | APR 98 | AUG 99 | | |
| TOTAL: | | | | | | | 19,600 | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | |
| 215-552 | WEAPONS & RELEASE SYSTEMS FACILITY | | | | | 2,509 SM | 4,800 | | | | |
| 721-312 | DORMITORY | | | | | 156 RM | 12,000 | | | | |
| 841-165 | UPGRADE WATER DISTRIBUTION SYSTEM | | | | | LS | 10,800 | | | | |
| TOTAL: | | | | | | | 27,600 | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 422-264 | MUNITIONS STORAGE IGLOOS | | | | | 18 EA | 12,600 | | | | |
| 721-312 | DORMITORY | | | | | 156 RM | 14,100 | | | | |
| 841-427 | INSTALL ELEVATED WATER STORAGE TANK | | | | | 1 EA | 1,453 | | | | |
| 10. Mission or Major Functions: The host fighter wing supports an F-16 squadron, an A/OA-10 squadron, and an airlift squadron (C-12J). The installation also hosts Headquarters, Seventh Air Force and a special operations squadron (MH-53J). Other major activities include a civil engineering heavy repair squadron (RED HORSE), an Air Mobility Command air mobility support squadron; and an Air Combat Command reconnaissance squadron. | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | 0 | |
| b. Water pollution: | | | | | | | | | | 0 | |
| c. Occupational safety and health: | | | | | | | | | | 0 | |
| d. Other Environmental: | | | | | | | | | | 0 | |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | 70,338 | |

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|---|--|---|-------------------------|-------------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE |
| AIR FORCE | | | | |
| 3. INSTALLATION AND LOCATION | | 4. PROJECT TITLE | | |
| OSAN AIR BASE, KOREA | | ADD TO AND ALTER PHYSICAL FITNESS CENTER | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | |
| 2.75.96 | 740-674 | SMYU913041 | AUTH: | 7,600 |
| | | | APPROP: | 2,229 |
| 9. COST ESTIMATES | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST (\$000) |
| ADD TO AND ALTER PHYSICAL FITNESS CENTER | | LS | | 5,828 |
| ADDITION | | SM | 2,470 | 1,538 (3,799) |
| ALTERATION | | SM | 2,571 | 731 (1,879) |
| ANTITERRORISM FORCE PROTECTION | | LS | | (150) |
| SUPPORTING FACILITIES | | | | 968 |
| UTILITIES | | LS | | (468) |
| SITE IMPROVEMENTS/PAVEMENTS | | LS | | (500) |
| SUBTOTAL | | | | 6,796 |
| CONTINGENCY (5%) | | | | 340 |
| TOTAL CONTRACT COST | | | | 7,136 |
| SUPERVISION, INSPECTION AND OVERHEAD (6.5%) | | | | 464 |
| TOTAL REQUEST | | | | 7,600 |
| TOTAL REQUEST (ROUNDED) | | | | 7,600 |
| FCF BUDGET RATE USED: WON 1,242.5000 | | | | |
| 10. Description of Proposed Construction: Pile foundation, masonry walls, pitched roof, fire protection systems, HVAC, telecommunications, demolition, pavements and all necessary support. Addition includes aerobics rooms, a cardiovascular equipment room, a weight room, and multipurpose athletic courts. Antiterrorism force protection measures in accordance with the USAF Installation Force Protection Guide. Air Conditioning: 250 KW. | | | | |
| 11. REQUIREMENT: 5,672 SM ADEQUATE: 476 SM SUBSTANDARD: 2,726 SM PROJECT: Add to and alter a fitness center. (Current Mission) REQUIREMENT: An adequately sized, properly configured fitness center is needed to safely meet the high demand for fitness activities. Additional space is needed for fitness center functions, including aerobics, cardiovascular machines, weight training, and athletic courts. The center should provide centralized operations for the convenience of patrons. Antiterrorism force protection measures are coordinated with the installation security plan. CURRENT SITUATION: The current facility is heavily used and has less than 50% of the authorized space for the base population. The fitness center is a necessary recreational and fitness outlet at Osan AB, where the majority of personnel are serving unaccompanied tours. It serves as the hub for varsity and intramural sports, and instructional and independent exercise programs. The current facility can not accommodate the over 1,000 people who use it each day. The existing weight-training area is crowded and long waits for equipment are common. The fitness center is open 24 hours-a-day, and demand still exceeds capacity. Only one less-than-standard sized multipurpose court is available for the 50 | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION OSAN AIR BASE, KOREA | | |
| 4. PROJECT TITLE ADD TO AND ALTER PHYSICAL FITNESS CENTER | 5. PROJECT NUMBER SMYU913041 | |
| <p>basketball and volleyball teams who participate in the Osan AB intramural program. Up to 30 teams (approximately 300 personnel) are turned away from intramural sports programs each year due to a shortage of court space. Air Force standards for athlete training camps cannot be met due to the lack of court space and time. The electrical and HVAC systems in the existing facility cannot adequately support the high level of fitness activities being conducted. There are no adequate facilities available in the local area.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The Osan AB fitness center will continue to be overcrowded and incapable of providing a satisfactory facility for fitness activities. The morale of personnel, both military and civilian, will decline as they become discouraged from participating in health and physical activities by a substandard facility. Osan is addressing a serious force protection problem by bringing all personnel into on-base housing. With an expected on-base population increase of more than 600 people in the next 5-7 years, use of the fitness center is expected to increase significantly, and become even more of a major quality-of-life concern than it already is today.</p> <p><u>ADDITIONAL:</u> This project is eligible for Korean Host Nation Funded Construction (KHNFC). Because of the limited KHNFC funding, this project must compete against war fighting, mission, force protection requirements, dormitories and Military Family Housing. Funding by KHNFC is unlikely. This project is within the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." An Economic Analysis was not prepared as this is the only alternative to satisfy the requirement. BASE CIVIL ENGINEER: Lt Col Hicks, 011-82-333-661-4312. ADDITION: 2,470 SM = 26,500 SF; ALTERATION: 2,571 SM = 27,500 SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | 2. DATE |
| AIR FORCE | (computer generated) | |
| 3. INSTALLATION AND LOCATION | | |
| OSAN AIR BASE, KOREA | | |
| 4. PROJECT TITLE | 5. PROJECT NUMBER | |
| ADD TO AND ALTER PHYSICAL FITNESS CENTER | SMYU913041 | |
| 12. SUPPLEMENTAL DATA: | | |
| a. Estimated Design Data: | | |
| (1) Status: | | |
| (a) Date Design Started | | 98 APR 02 |
| (b) Parametric Cost Estimates used to develop costs | | Y |
| * (c) Percent Complete as of Jan 1999 | | 15% |
| * (d) Date 35% Designed. | | 98 DEC 30 |
| (e) Date Design Complete | | 99 AUG 15 |
| (f) Energy Study/Life-Cycle analysis was/will be performed | | Y |
| (2) Basis: | | |
| (a) Standard or Definitive Design - | | NO |
| (b) Where Design Was Most Recently Used - | | N/A |
| (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) | | |
| (a) Production of Plans and Specifications | | 456 |
| (b) All Other Design Costs | | 228 |
| (c) Total | | 684 |
| (d) Contract | | 608 |
| (e) In-house | | 76 |
| (4) Construction Start | | 99 DEC |
| (5) Construction Completion | | 01 JUN |
| * Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability. | | |
| b. Equipment associated with this project will be provided from other appropriations: N/A | | |

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|--|--|--|-------------------|-------------------------|--------------|--|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE | |
| AIR FORCE | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | 4. PROJECT TITLE | | |
| OSAN AIR BASE, KOREA | | | | DORMITORY | | |
| 5. PROGRAM ELEMENT | | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 2.75.96 | | 721-312 | SMYU973010 | AUTH: | 12,000 | |
| | | | | APPROP: | 3,482 | |
| 9. COST ESTIMATES | | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) | |
| DORMITORY (156 RM) | | LS | | | 9,189 | |
| DORMITORY | | SM | 5,460 | 1,683 | (9,189) | |
| SUPPORTING FACILITIES | | | | | 1,551 | |
| PILE FOUNDATION | | LS | | | (251) | |
| PAVEMENTS & UTILITIES/STORM DRAINAGE | | LS | | | (350) | |
| COMM/SITE IMPROVEMENTS/LANDSCAPE | | LS | | | (250) | |
| DEMOLITION | | SM | 628 | 159 | (100) | |
| FORCE PROTECTION MEASURES | | LS | | | (300) | |
| CHEM/BIO PROTECTION | | LS | | | (300) | |
| SUBTOTAL | | | | | 10,740 | |
| CONTINGENCY (5%) | | | | | 537 | |
| TOTAL CONTRACT COST | | | | | 11,277 | |
| SUPERVISION, INSPECTION AND OVERHEAD (6.5%) | | | | | 733 | |
| TOTAL REQUEST | | | | | 12,010 | |
| TOTAL REQUEST (ROUNDED) | | | | | 12,000 | |
| FCF BUDGET RATE USED: WON 1,242.5000 | | | | | | |
| 10. Description of Proposed Construction: A four-story building with reinforced concrete foundation and floor slabs, masonry walls and roof. Includes room-bath/kitchen-room modules, laundries, storage and lounge area, asbestos removal, force protection/chem-bio measures, demolition of two buildings (628 SM), and all necessary support. Air Conditioning: 400 KW. Grade Mix: 156 E1-E4. | | | | | | |
| 11. REQUIREMENT: 1,430 RM ADEQUATE: 528 RM SUBSTANDARD: 188 RM PROJECT: Construct a dormitory.(Current Mission) REQUIREMENT: A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. A paramount priority at Osan AB is to provide adequate force protection through availability of safe, on-base dormitories. In addition, collective protection is needed for rest and recuperation of personnel. CURRENT SITUATION: Presently, Osan has the largest deficit of living quarters for unaccompanied enlisted personnel in the Air Force. Due to the lack of adequate living quarters, more than 410 enlisted personnel are forced to use off-base housing, imposing unnecessary hardships and risks. It also results in degradation of productivity and career satisfaction for enlisted personnel stationed far away from their homes and families. The local community has adequate quarters to satisfy less than 10% of total requirements. Housing unaccompanied airmen off-base decreases force protection and presents a degree of vulnerability unacceptable to | | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION OSAN AIR BASE, KOREA | | |
| 4. PROJECT TITLE DORMITORY | 5. PROJECT NUMBER SMYU973010 | |
| <p>leadership. Most off-base quarters are inadequate with substandard utilities, non-potable water, and a dangerous heating system. There are no other projects underway in the local community to improve any of these living conditions. The 51st Fighter Wing's goal is to provide housing for all unaccompanied personnel on base.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Adequate living quarters will continue to be unavailable resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. Low morale will contribute to retention difficulties for the Air Force.</p> <p><u>ADDITIONAL:</u> This project meets the the new uniform barracks standard known as "One-plus-One" established by OSD. This project is programmed for host nation and MILCON funding according to the Air Force Dormitory Master Plan. No other option could meet the mission requirements; therefore no economic analysis was performed. FY 1997 Unaccompanied Housing RPM conducted: \$1,263K; FY 1998 Unaccompanied Housing RPM conducted: Future Unaccompanied Housing RPM requirements (estimated): FY99: \$1,319K; FY01: \$1,378k; FY02: \$1,408; FY03: \$1,439K. BASE CIVIL ENGINEER: LT Col Hicks, 011-82-333-661-4312. DORMITORY (156RM): 5,460SM = 58,422 SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| AIR FORCE | | |
| 3. INSTALLATION AND LOCATION | | |
| OSAN AIR BASE, KOREA | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER |
| DORMITORY | | SMYU973010 |
| 12. SUPPLEMENTAL DATA: | | |
| a. Estimated Design Data: | | |
| (1) Status: | | |
| (a) Date Design Started | | 98 APR 02 |
| (b) Parametric Cost Estimates used to develop costs | | Y |
| * (c) Percent Complete as of Jan 1999 | | 15% |
| * (d) Date 35% Designed. | | 98 DEC 30 |
| (e) Date Design Complete | | 99 AUG 15 |
| (f) Energy Study/Life-Cycle analysis was/will be performed | | Y |
| (2) Basis: | | |
| (a) Standard or Definitive Design - | | YES |
| (b) Where Design Was Most Recently Used - | | OSAN |
| (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) | | |
| (a) Production of Plans and Specifications | | 720 |
| (b) All Other Design Costs | | 360 |
| (c) Total | | 1080 |
| (d) Contract | | 960 |
| (e) In-house | | 120 |
| (4) Construction Start | | 99 DEC |
| (5) Construction Completion | | 01 OCT |
| * Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability. | | |
| b. Equipment associated with this project will be provided from other appropriations: N/A | | |

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|--|--|---|-----|----------|----------|--------------------|-----|---------------|-----------------------------|--------|-------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | 2. DATE | | | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | | 4. COMMAND | | | 5. AREA CONST COST INDEX | | |
| LAJES FIELD, AZORES, PORTUGAL | | | | | | AIR COMBAT COMMAND | | | 1.23 | | |
| 6. PERSONNEL STRENGTH | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | TOTAL |
| | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | |
| a. As of 30 SEP 98 | | 96 | 882 | 706 | | | | 26 | 109 | 144 | 1,963 |
| b. End FY 2005 | | 96 | 905 | 698 | | | | 26 | 109 | 144 | 1,978 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a.. Total Acreage: (944) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) | | 141,606 | | | | | | | | | |
| c. Authorization Not Yet In Inventory: | | 0 | | | | | | | | | |
| d. Authorization Requested In This Program: | | 1,800 | | | | | | | | | |
| e. Authorization Included In Following Program: (FY 2001) | | 0 | | | | | | | | | |
| f. Planned In Next Four Program Years: | | 9,000 | | | | | | | | | |
| g. Remaining Deficiency: | | 116,800 | | | | | | | | | |
| h. Grand Total: | | 269,206 | | | | | | | | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | PROJECT TITLE | | SCOPE | | COST (\$000) | | DESIGN STATUS | | | |
| CODE | | | | | | | | START | | Cmpl | |
| 812-926 | | APRON SECURITY LIGHTING | | 18 EA | | 1,800 | | APR 98 | | AUG 99 | |
| | | | | TOTAL: | | 1,800 | | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) NONE | | | | | | | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 721-315 | | TRANSIENT DORMITORY | | 3,550 SM | | 9,000 | | | | | |
| 10. Mission or Major Functions: The host air base wing has no permanently assigned force structure but provides en route support to transiting aircraft and hosts Headquarters US Forces Azores. Lajes Field serves as a logistical bridge to Europe, Africa, and Southwest Asia by providing a ground refueling and stop-over capability, functioning as a tanker staging location for in-flight refueling and serving as a primary divert base for deploying aircraft. | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | |
| a. Air pollution: | | 0 | | | | | | | | | |
| b. Water pollution: | | 0 | | | | | | | | | |
| c. Occupational safety and health: | | 0 | | | | | | | | | |
| d. Other Environmental: | | 0 | | | | | | | | | |
| 12. Real Property Maintenance Backlog This Installation | | 25,967 | | | | | | | | | |

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|--|------------------|--|----------------------------|-----------|--------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE | |
| AIR FORCE | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| LAJES FIELD, AZORES, PORTUGAL | | | APRON SECURITY LIGHTING | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 2.75.96 | 812-926 | MQNA973004 | AUTH: 1,800 APPROP: 479 | | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| SECURITY LIGHTING | | LS | | | |
| SUPPORTING FACILITIES | | | | | 1,612 |
| HIGH MAST POLES/LUMINAIRES | | EA | 18 | 50,389 | (907) |
| TRANSFORMERS | | LS | | | (20) |
| POWER MANHOLES | | EA | 3 | 6,667 | (20) |
| SWITCHES/FUSES | | LS | | | (20) |
| CONDUIT/CONDUCTORS | | LS | | | (380) |
| CATHODIC PROTECTION SYSTEM | | LS | | | (25) |
| CONCRETE DUCTBANKS/FOUNDATIONS | | LS | | | (165) |
| GENERATOR/ENCLOSED STRUCTURE | | LS | | | (75) |
| SUBTOTAL | | | | | 1,612 |
| CONTINGENCY (5%) | | | | | 81 |
| TOTAL CONTRACT COST | | | | | 1,693 |
| SUPERVISION, INSPECTION AND OVERHEAD (6.5%) | | | | | 110 |
| TOTAL REQUEST | | | | | 1,803 |
| TOTAL REQUEST (ROUNDED) | | | | | 1,800 |
| FCF BUDGET RATE USED: ESCUDO 175.6100 | | | | | |
| 10. Description of Proposed Construction: Install aircraft ramp security lighting system consisting of high mast standard poles with high pressure sodium floodlights, wiring, transformer banks, and controls. Install cathodic protection system to protect controls and transformers. Install an emergency generator with closed structure. | | | | | |
| 11. REQUIREMENT: As required. PROJECT: Construct Apron Security Lighting. (Current Mission) REQUIREMENT: Security lighting is required on the aircraft parking ramp to ensure maximum security and safety of Department of Defense aircraft, equipment, and personnel. Cathodic protection systems are required to protect the controls, transformers, and emergency generator from corrosion. An enclosed shelter is required to protect the generator from the highly corrosive salt air ocean spray of Lajes Field. CURRENT SITUATION: There are no permanently mounted security lights on the Lajes aircraft parking ramp. This presents a security risk to the aircraft, equipment, and personnel. During the hours of darkness it is very easy to enter these ramps undetected due to the absence of security lighting. This means that saboteurs and/or terrorists could cause significant damage to aircraft, equipment, and injury to personnel. The absence of security lighting also presents serious safety problems when performing nighttime operations, maintenance, and cargo loading/off-loading. There have been several vehicle accidents and near misses directly caused by the lack of apron security lighting. Any type of lighting on the airfield must be accomplished by portable lighting units. These obstructions pose a threat to vehicle traffic operating around aircraft. IMPACT IF NOT PROVIDED: Aircraft and other flightline equipment will | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION LAJES FIELD, AZORES, PORTUGAL | | |
| 4. PROJECT TITLE APRON SECURITY LIGHTING | 5. PROJECT NUMBER MQNA973004 | |
| <p>remain easy targets for saboteurs and terrorists. Unsafe working conditions will continue to exist on the ramp thus presenting unacceptable hazards to aircraft, equipment and personnel.</p> <p><u>ADDITIONAL:</u> This project is not NATO eligible. Only one alternative exists to meet this operational requirement, therefore an economic analysis is not required. A certificate of exception has been prepared. Base Civil Engineer: Lt Col Paul Scott 011-351-95-540-100. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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|---|--|---------|-------------------------|-----------|---|---|---------------------------------------|-----|--------------------------|-----------|--------------------------|-----------|--|----|-------------------------------------|----|---|-----|--|-----|----------------------------|----|-----------|-----|--------------|-----|--------------|----|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION LAJES FIELD, AZORES, PORTUGAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. PROJECT TITLE APRON SECURITY LIGHTING | 5. PROJECT NUMBER MQNA973004 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>98 APR 02</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>Y</td> </tr> <tr> <td>* (c) Percent Complete as of Jan 1999</td> <td>15%</td> </tr> <tr> <td>* (d) Date 35% Designed.</td> <td>98 DEC 15</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>99 AUG 15</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td>NA</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>108</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>54</td> </tr> <tr> <td>(c) Total</td> <td>162</td> </tr> <tr> <td>(d) Contract</td> <td>135</td> </tr> <tr> <td>(e) In-house</td> <td>27</td> </tr> </table> <p>(4) Construction Start 00 MAR</p> <p>(5) Construction Completion 01 MAR</p> <p>* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability.</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> | | | (a) Date Design Started | 98 APR 02 | (b) Parametric Cost Estimates used to develop costs | Y | * (c) Percent Complete as of Jan 1999 | 15% | * (d) Date 35% Designed. | 98 DEC 15 | (e) Date Design Complete | 99 AUG 15 | (f) Energy Study/Life-Cycle analysis was/will be performed | NA | (a) Standard or Definitive Design - | NO | (b) Where Design Was Most Recently Used - | N/A | (a) Production of Plans and Specifications | 108 | (b) All Other Design Costs | 54 | (c) Total | 162 | (d) Contract | 135 | (e) In-house | 27 |
| (a) Date Design Started | 98 APR 02 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Parametric Cost Estimates used to develop costs | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * (c) Percent Complete as of Jan 1999 | 15% | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * (d) Date 35% Designed. | 98 DEC 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) Date Design Complete | 99 AUG 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (f) Energy Study/Life-Cycle analysis was/will be performed | NA | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Standard or Definitive Design - | NO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Where Design Was Most Recently Used - | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Production of Plans and Specifications | 108 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) All Other Design Costs | 54 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Total | 162 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (d) Contract | 135 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) In-house | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | 2. DATE |
| AIR FORCE | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | ASCENSION ISLAND AUXILIARY AIRFIELD, SOUTH ATLANTIC OCEAN | | | 4. COMMAND | | | 5. AREA CONST COST INDEX | | | |
| | | | | AIR FORCE SPACE COMMAND | | | 1.55 | | | |
| 6. PERSONNEL STRENGTH | PERMANENT | | | STUDENTS | | | SUPPORTED | | | TOTAL |
| | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | |
| a. As of 30 SEP 98 | 1 | 1 | | | | | | | | 2 |
| b. End FY 2005 | 1 | 1 | | | | | | | | 2 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | |
| a. Total Acreage: | (3,857) | | | | | | | | | |
| b. Inventory Total As Of: | (30 SEP 98) | | | | | | | | | 34,689 |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | 0 |
| d. Authorization Requested In This Program: | | | | | | | | | | 2,150 |
| e. Authorization Included In Following Program: | (FY 2001) | | | | | | | | | 0 |
| f. Planned In Next Four Program Years: | | | | | | | | | | 10,800 |
| g. Remaining Deficiency: | | | | | | | | | | 3,510 |
| h. Grand Total: | | | | | | | | | | 51,149 |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | |
| CATEGORY | | | | | | | COST | DESIGN | STATUS | |
| CODE | PROJECT TITLE | | SCOPE | | | | (\$000) | START | CMPL | |
| 312-941 | GLOBAL POSITIONING SYSTEM | | 250 SM | | | | 2,150 | APR 98 | AUG 99 | |
| | SATELLITE CONTROL STATION | | | | | | | | | |
| | | | TOTAL: | | | | 2,150 | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) NONE | | | | | | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | |
| 721-312 | DORMITORY | | 120 RM | | | | 10,800 | | | |
| 10. Mission or Major Functions: An Air Force Space Command down range missile and satellite tracking station supporting the Eastern Space and Missile Center. | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | |
| a. | Air pollution: | | | | | | | | | 0 |
| b. | Water pollution: | | | | | | | | | 0 |
| c. | Occupational safety and health: | | | | | | | | | 0 |
| d. | Other Environmental: | | | | | | | | | 290 |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | |
| | | | | | | | | | | 10,374 |

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|--|------------------|--|---------------------------|-----------|--------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE | |
| AIR FORCE | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| ASCENSION AUXILIARY AIR FIELD | | | GLOBAL POSITIONING SYSTEM | | |
| ASCENSION ISLAND, SOUTH ATLANTIC OCEAN | | | SATELLITE CONTROL STATION | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 3.59.96 | 312-941 | YXTK983050A | AUTH: | 2,150 | |
| | | | APPROP: | 512 | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| GPS SATELLITE CONTROL STATION | | SM | 250 | 6,424 | 1,606 |
| SUPPORTING FACILITIES | | | | | 335 |
| UTILITIES | | LS | | | (180) |
| PAVEMENTS | | LS | | | (100) |
| SITE IMPROVEMENTS | | LS | | | (47) |
| DEMOLITION | | SM | 30 | 267 | (8) |
| SUBTOTAL | | | | | 1,941 |
| CONTINGENCY (5%) | | | | | 97 |
| TOTAL CONTRACT COST | | | | | 2,038 |
| SUPERVISION, INSPECTION AND OVERHEAD (6.5%) | | | | | 132 |
| TOTAL REQUEST | | | | | 2,170 |
| TOTAL REQUEST (ROUNDED) | | | | | 2,150 |
| 10. Description of Proposed Construction: Foundation, slab on grade, Concrete masonry walls with structural steel joist/built-up roof, humidity and temperature control, fire detection/suppression, standby generator, beddown pad with electrical/communication and emergency generator hookup and demolition of a 30 SM facility. Air Conditioning: 70 KW. | | | | | |
| 11. REQUIREMENT: 250 SM ADEQUATE: 0 SUBSTANDARD: 30 SM PROJECT: Construct a global positioning system (GPS) satellite control station. (Current Mission) REQUIREMENT: An environmentally controlled secure facility is needed to house telemetry, tracking, and control (TT&C) equipment that supports the Ascension Island ground segment of the GPS. This segment is required to provide a communications link between the GPS master control station at Falcon AFB, Colorado and the GPS satellite constellation. The GPS Operational Requirements Document (ORD) requires four strategically located ground stations for around-the-world coverage of the 24 satellite constellation. The constellation provides the Department of Defense, other government agencies, and commercial users with critical navigational, precise timing and nuclear detection data. The ground stations are located on Ascension Island, Diego Garcia, Cape Canaveral AFS, and Kwajalein Atoll. All ground stations must be fully operational 24 hours-per-day to ensure the accuracy of the GPS telemetry and provide TT&C support for the portion of GPS satellite orbits above its section of the earth. CURRENT SITUATION: The radio frequency mission hardware is presently housed in undersized, portable, temporary steel structure. These portable | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION ASCENSION AUXILIARY AIR FIELD ASCENSION ISLAND, SOUTH ATLANTIC OCEAN | | |
| 4. PROJECT TITLE GLOBAL POSITIONING SYSTEM SATELLITE CONTROL STATION | 5. PROJECT NUMBER YXTK983050A | |
| <p>structures are too small to permit proper access to mission hardware. Thus, routine maintenance and replacement of electronic components are inhibited. This structure is exposed to a harsh marine environment and has experienced severe corrosion and deterioration. The heating, ventilation, and air conditioning (HVAC) systems are priority equipment that are at the end of their useful life. They have deteriorated due to the elements, have failed parts, and are beyond economical repair. Of the four GPS sites, Ascension Island is the only one that has not received permanent facilities.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Maintenance and repair of sensitive electronic equipment will continue to be difficult and unsafe. The existing facility will continue to deteriorate to the point of being structurally unsound. Interruptions in reliable power and air conditioning will result in electronic component failures. Depending on the timing of the failure and the status of the satellites, any component failure at this site could result in the loss of crucial telemetry, tracking, control, and navigational data, or the possible loss of a multi-million dollar satellite.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. Base Civil Engineer: Lt Col Steve Lillemon, (719) 567-4200. GPS Satelite Control Station: 250SM = 2,690SF. This project is funded using advance appropriation. However, full authorization is requested in the year of intial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| AIR FORCE | | |
| 3. INSTALLATION AND LOCATION | | |
| ASCENSION AUXILIARY AIR FIELD ASCENSION ISLAND, SOUTH ATLANTIC OCEAN | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER |
| GLOBAL POSITIONING SYSTEM SATELLITE CONTROL STATION | | YXTK983050A |
| 12. SUPPLEMENTAL DATA: | | |
| a. Estimated Design Data: | | |
| (1) Status: | | |
| (a) Date Design Started | | 98 APR 20 |
| (b) Parametric Cost Estimates used to develop costs | | Y |
| * (c) Percent Complete as of Jan 1999 | | 15% |
| * (d) Date 35% Designed. | | 98 OCT 10 |
| (e) Date Design Complete | | 99 AUG 20 |
| (f) Energy Study/Life-Cycle analysis was/will be performed | | Y |
| (2) Basis: | | |
| (a) Standard or Definitive Design - | | NO |
| (b) Where Design Was Most Recently Used - | | N/A |
| (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) | | |
| (a) Production of Plans and Specifications | | 132 |
| (b) All Other Design Costs | | 66 |
| (c) Total | | 198 |
| (d) Contract | | 166 |
| (e) In-house | | 32 |
| (4) Construction Start | | 99 DEC |
| (5) Construction Completion | | 00 NOV |
| * Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope and cost and executability. | | |
| b. Equipment associated with this project will be provided from other appropriations: N/A | | |

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|---|---|---|-----|------------------------------------|----------|--------------|--------------------|---------------|------|-----|-------|--------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | 2. DATE | | | | |
| AIR FORCE | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | 4. COMMAND | | | 5. AREA CONST | | | | | |
| ROYAL AIR FORCE FELTWELL, UNITED KINGDOM | | | | UNITED STATES AIR FORCES IN EUROPE | | | COST INDEX 1.43 | | | | | |
| 6. PERSONNEL | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | | |
| STRENGTH | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL | |
| a. As of 30 SEP 98 | | 11 | 8 | 221 | | | | | | | 240 | |
| b. End FY 2005 | | 11 | 8 | 220 | | | | | | | 239 | |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | | |
| a. Total Acreage: (332) | | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) | | | | | | | | | | | | 35,479 |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | | | 0 |
| d. Authorization Requested In This Program: | | | | | | | | | | | | 3,000 |
| e. Authorization Included In Following Program: (FY 2001) | | | | | | | | | | | | 0 |
| f. Planned In Next Four Program Years: | | | | | | | | | | | | 3,100 |
| g. Remaining Deficiency: | | | | | | | | | | | | 0 |
| h. Grand Total: | | | | | | | | | | | | 41,579 |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | | |
| CATEGORY | | PROJECT TITLE | | SCOPE | | COST (\$000) | | DESIGN STATUS | | | | |
| CODE | | | | | | | | START | CMPL | | | |
| 831-165 | WASTEWATER TREATMENT FACILITY | | | 1 EA | | 3,000 | | TURN KEY | | | | |
| | | | | TOTAL: | | 3,000 | | | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) NONE | | | | | | | | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | | |
| 171-476 | ADD/ALTER COMBAT ARMS TRAINING FACILITY | | | 2,000 SM | | 3,100 | | | | | | |
| 10. Mission or Major Functions: An annex area of the 48 FW RAF Lakenheath, supporting a space surveillance squadron, military family housing, a DODDS school, and AAFES warehouses. | | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | | | 0 |
| b. Water pollution: | | | | | | | | | | | | 0 |
| c. Occupational safety and health: | | | | | | | | | | | | 0 |
| d. Other Environmental: | | | | | | | | | | | | 0 |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | | | 2,905 |

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|---|--|----------------------------|-------------------------|-------------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE |
| AIR FORCE | | | | |
| 3. INSTALLATION AND LOCATION | | 4. PROJECT TITLE | | |
| RAF FELTWELL, UNITED KINGDOM | | WASTEWATER TREATMENT PLANT | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | |
| 2.74.56 | 831-165 | GPLS003014 | FJTH: | 3,000 |
| | | | APPROP: | 786 |
| 9. COST ESTIMATES | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST (\$000) |
| WASTEWATER TREATMENT PLANT | | LS | | 2,315 |
| SUPPORTING FACILITIES | | | | 475 |
| UTILITIES | | LS | | (207) |
| SITE IMPROVEMENTS | | LS | | (268) |
| SUBTOTAL | | | | 2,790 |
| CONTINGENCY (5%) | | | | 140 |
| TOTAL CONTRACT COST | | | | 2,930 |
| SUPERVISION, INSPECTION AND OVERHEAD (2.5%) | | | | 73 |
| TOTAL REQUEST | | | | 3,003 |
| TOTAL REQUEST (ROUNDED) | | | | 3,000 |
| FCF BUDGET RATE USED: POUND 0.6045 | | | | |
| 10. Description of Proposed Construction: Construct a new 300,000 gallons per day secondary wastewater treatment plant consisting of influent structure, primary and secondary clarifiers, trickling filters, and sludge disposal. | | | | |
| 11. REQUIREMENT: 1 EA ADEQUATE: 0 SUBSTANDARD: 1 EA PROJECT: Construct a wastewater treatment plant. (Current Mission) REQUIREMENT: This is a Level 1 environmental compliance requirement. The current plant does not meet Chapter 4-1, B of the United Kingdom (UK) Final Governing Standards (FGS) and UK Environmental Agency consent to discharge secondary treated sewage effluent. Several violations for exceeding biological oxygen demand (BOD), total suspended solids (TSS), and ammonia have been cited. CURRENT SITUATION: The existing 170,000 gallons per day wastewater treatment plant at RAF Feltwell was built in 1949, is undersized, and has failed to meet effluent requirements as established by the UK National Rivers Authority (NRA) and the Final Governing Standards. It has been cited for several environmental violations for exceeding acceptable BOD levels during a 5-day period. Discharge permissible standards for TSS have exceeded the acceptable levels during the same time. The primary settling tanks are constructed from brick and must be replaced. There are no automatic filter screens and the inlet works require constant repair. The plant cannot react against industrial discharge emergencies because it doesn't contain automatic monitors or hazardous waste containment basins. IMPACT IF NOT PROVIDED: Continued noncompliance with UK NRA effluent standards and the inability to continually monitor and contain hazardous spills may result in potential fines, adverse publicity for the base, and health risks to the environment, ecology, and surrounding towns using the | | | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| AIR FORCE | | |
| 3. INSTALLATION AND LOCATION | | |
| RAF FELTWELL, UNITED KINGDOM | | |
| 4. PROJECT TITLE | 5. PROJECT NUMBER | |
| WASTEWATER TREATMENT PLANT | GPLS003014 | |
| <p>local aquifer.</p> <p><u>ADDITIONAL:</u> This project meets the scope/criteria specified in Part II of Military Handbook 1190 , "Facility Planning and Design Guide". This project also meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". This project is not eligible for NATO funding. It does not meet the criteria established in NATO Approved Criteria & Standards for Tactical & Transport Airfields-6th Edition. An economic analysis has been prepared and determined that new construction was the most efficient over the life of the project. BASE CIVIL ENGINEER: Lt Col Andy Scrafford, 011-44-1638-54-5360. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| AIR FORCE | | |
| 3. INSTALLATION AND LOCATION | | |
| RAF FELTWELL, UNITED KINGDOM | | |
| 4. PROJECT TITLE | 5. PROJECT NUMBER | |
| WASTEWATER TREATMENT PLANT | GPLS003014 | |
| 12. SUPPLEMENTAL DATA: | | |
| a. Estimated Design Data: | | |
| (1) Project to be accomplished by design-build procedures | | |
| (2) Basis: | | |
| (a) Standard or Definitive Design - | NO | |
| (b) Where Design Was Most Recently Used - | N/A | |
| (3) Design Allowance | 150 | |
| (4) Construction Start | 99 DEC | |
| (5) Construction Completion | 01 JAN | |
| (6) Energy Study/Life-Cycle analysis was/will be performed | Y | |
| b. Equipment associated with this project will be provided from other appropriations: N/A | | |

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|---|---|---|------|-----|------------------------------------|---------------------|---------------------|--------------------|---------|-------------|---------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | 2. DATE | | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | 4. COMMAND | | | 5. AREA CONST | | | |
| ROYAL AIR FORCE LAKENHEATH, UNITED KINGDOM | | | | | UNITED STATES AIR FORCES IN EUROPE | | | COST INDEX 1.43 | | | |
| 6. PERSONNEL STRENGTH | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | TOTAL |
| | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | |
| a. As of 30 SEP 98 | | 509 | 3928 | 247 | | | | 2 | 7 | 335 | 5,028 |
| b. End FY 2005 | | 515 | 3996 | 242 | | | | 2 | 7 | 333 | 5,095 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (1,984) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) | | | | | | | | | | | 201,024 |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | | 0 |
| d. Authorization Requested In This Program: | | | | | | | | | | | 18,200 |
| e. Authorization Included In Following Program: (FY 2001) | | | | | | | | | | | 18,500 |
| f. Planned In Next Four Program Years: | | | | | | | | | | | 52,655 |
| g. Remaining Deficiency: | | | | | | | | | | | 0 |
| h. Grand Total: | | | | | | | | | | | 290,379 |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | | | | | | | | | | |
| <u>CODE</u> | <u>PROJECT TITLE</u> | | | | <u>SCOPE</u> | <u>COST (\$000)</u> | <u>DESIGN START</u> | <u>STATUS</u> | | <u>CMPL</u> | |
| 610-128 | CONSOLIDATED SUPPORT COMPLEX | | | | 4,679 SM | 12,400 | TURN | KEY | | | |
| 740-884 | CHILD DEVELOPMENT CENTER | | | | 1,890 SM | 5,800 | TURN | KEY | | | |
| TOTAL: | | | | | | 18,200 | | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | |
| 141-753 | SQUADRON OPERATIONS/AMU FACILITY | | | | 6,787 SM | 18,500 | TURN | KEY | | | |
| TOTAL: | | | | | | 18,500 | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 130-142 | FIRE STATION | | | | 2,500 SM | 3,560 | | | | | |
| 130-142 | CRASH RESCUE FIRE STATION | | | | 634 SM | 2,000 | | | | | |
| 131-111 | COMMUNICATIONS FACILITY | | | | 1,500 SM | 5,200 | | | | | |
| 141-753 | ADD TO AND ALTER SQUADRON OPERATIONS/AMU FACILITY | | | | 3,400 SM | 6,000 | | | | | |
| 141-786 | MOBILITY PROCESSING AND CARGO FACILITY | | | | 930 SM | 1,500 | | | | | |
| 214-425 | VEHICLE MAINTENANCE FACILITY | | | | 1,500 SM | 2,800 | | | | | |
| 218-712 | ADD TO AND ALTER AGE SHOP | | | | 1,300 SM | 3,000 | | | | | |
| 442-758 | BASE ENGINEER WAREHOUSE | | | | 2,323 SM | 4,195 | | | | | |
| 610-122 | MATERIAL CONTROL CENTER | | | | 3,050 SM | 5,600 | | | | | |
| 721-312 | DORMITORY | | | | 120 RM | 9,200 | | | | | |
| 721-312 | DORMITORY | | | | 120 RM | 9,600 | | | | | |
| 10. Mission or Major Functions: The host fighter wing supports two dual-capable F-15E squadrons an one F-15C/D air superiority squadron. The wing also supports an Air Force regional hospital. | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | | 0 |
| b. Water pollution: | | | | | | | | | | | 250 |
| c. Occupational safety and health: | | | | | | | | | | | 0 |
| d. Other Environmental: | | | | | | | | | | | 3,916 |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | | 24,718 |

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|---|--|--------------------------|-------------------------|-------------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE |
| AIR FORCE | | | | |
| 3. INSTALLATION AND LOCATION | | 4. PROJECT TITLE | | |
| RAF LAKENHEATH, UNITED KINGDOM | | CHILD DEVELOPMENT CENTER | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | |
| 2.75.96 | 740-884 | MSET013001 | AUTH: | 5,800 |
| | | | APPROP: | 1,519 |
| 9. COST ESTIMATES | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST (\$000) |
| CHILD DEVELOPMENT CENTER | | LS | | 3,977 |
| CHILD DEVELOPMENT CENTER | | SM | 1,890 | 1,985 (3,752) |
| SUPPORTING FACILITIES | | SM | 185 | 1,216 (225) |
| SUPPORTING FACILITIES | | | | 1,414 |
| UTILITIES | | LS | | (285) |
| PAVEMENTS | | LS | | (345) |
| SITE IMPROVEMENTS/PLAYGROUND | | LS | | (203) |
| DEMOLITION | | SM | 3,481 | 120 (418) |
| ASBESTOS REMOVAL/DISPOSAL | | SM | 1,000 | 63 (63) |
| FORCE PROTECTION/ANTITERRORISM | | LS | | (100) |
| SUBTOTAL | | | | 5,391 |
| CONTINGENCY (5%) | | | | 270 |
| TOTAL CONTRACT COST | | | | 5,661 |
| SUPERVISION, INSPECTION AND OVERHEAD (2.5%) | | | | 142 |
| TOTAL REQUEST | | | | 5,803 |
| TOTAL REQUEST (ROUNDED) | | | | 5,800 |
| FCF BUDGET RATE USED: POUND 0.6045 | | | | |
| 10. Description of Proposed Construction: Concrete slab and footings, structural steel frame, masonry/brick walls, concrete tile roof, utilities, playground, demolition, site work, kitchen facilities and all necessary support. Install Passive force protection measures to include laminated windows, external lighting, fencing and landscaping IAW Installation Force Protection Guide. Demolish two facilities (2,256 SM) Air Conditioning: 215 KW. | | | | |
| 11. REQUIREMENT: 3,851 SM ADEQUATE: 1,588 SM SUBSTANDARD: 280 SM PROJECT: Construct a new child development center. (Current Mission) REQUIREMENT: These facility requirements meet the Military Child Act of 1989. Child development services are required for a total of 330 dependent children. A properly sized child development center is required to provide supervised care and developmental experiences that promote physical, social, emotional, and cognitive skills for dependent children ages six weeks through five years. The facility must provide a comfortable and clean educational environment where military service members and DoD civilians can leave their children on a full time basis and provide early developmental care for children. Adequate child care facilities must be provided to accommodate the special requirements placed on military families and single parents stationed overseas. The facility must also be constructed to deter possible terrorist activity. CURRENT SITUATION: The existing facilities at RAF Lakenheath and RAF Feltwell are too small. They accommodate only 166 children and are 100% occupied. At the present time, there are 382 children on the waiting list with a two year minimum wait out of the total population of 1,041 children, ages 6 weeks to 5 years, at RAF Lakenheath. Parents do not | | | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | 2. DATE |
| AIR FORCE | (computer generated) | |
| 3. INSTALLATION AND LOCATION | | |
| RAF LAKENHEATH, UNITED KINGDOM | | |
| 4. PROJECT TITLE | 5. PROJECT NUMBER | |
| CHILD DEVELOPMENT CENTER | MSET013001 | |
| <p>place their children on the list once they learn the required waiting period. Off-base day care facilities are limited and normally 55% more expensive than on-base facilities, placing a financial hardship on military and DoD civilian personnel. High living expenses in England requires both parents in many families to work and many single military members to have second jobs. This forces many families to place their children in off-base home-care households, which require no health certification or inspections. Overall morale and readiness are adversely affected by these situations.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The lack of a quality child care facility for the military and DoD civilians at RAF Lakenheath and Feltwell will contribute to a lower morale and a readiness capability resulting in a reduced capability to meet the base mission. Parents will be forced to seek off-base, more expensive and/or unaccredited child care services that financially impact and emotionally stress family quality of life.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements", AFI 34-701 and the Dept of Air Force Facility Design and Planning Guide for Child Development Centers. This project is not eligible for NATO funding. A preliminary analysis of reasonable options for accomplishing this project has been done and indicates there is only one option to meet requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. Base Civil Engineer: Lt Col Andrew R. Scrafford, 011-44-1638-522-100. Child Development Center: 2,256 SM = 24, 275 SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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|--|--|---------|---|--|------------|--|-------------------------------------|----|---|-----|----------------------|-----|------------------------|--------|-----------------------------|--------|--|---|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | | | | | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION RAF LAKENHEATH, UNITED KINGDOM | | | | | | | | | | | | | | | | | | |
| 4. PROJECT TITLE CHILD DEVELOPMENT CENTER | 5. PROJECT NUMBER MSET013001 | | | | | | | | | | | | | | | | | |
| <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <table border="0"> <tr> <td>(1) Project to be accomplished by design-build procedures</td> <td></td> </tr> <tr> <td>(2) Basis:</td> <td></td> </tr> <tr> <td> (a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td> (b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> <tr> <td>(3) Design Allowance</td> <td>290</td> </tr> <tr> <td>(4) Construction Start</td> <td>00 FEB</td> </tr> <tr> <td>(5) Construction Completion</td> <td>01 MAY</td> </tr> <tr> <td>(6) Energy Study/Life-Cycle analysis was/will be performed</td> <td>Y</td> </tr> </table> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> | | | (1) Project to be accomplished by design-build procedures | | (2) Basis: | | (a) Standard or Definitive Design - | NO | (b) Where Design Was Most Recently Used - | N/A | (3) Design Allowance | 290 | (4) Construction Start | 00 FEB | (5) Construction Completion | 01 MAY | (6) Energy Study/Life-Cycle analysis was/will be performed | Y |
| (1) Project to be accomplished by design-build procedures | | | | | | | | | | | | | | | | | | |
| (2) Basis: | | | | | | | | | | | | | | | | | | |
| (a) Standard or Definitive Design - | NO | | | | | | | | | | | | | | | | | |
| (b) Where Design Was Most Recently Used - | N/A | | | | | | | | | | | | | | | | | |
| (3) Design Allowance | 290 | | | | | | | | | | | | | | | | | |
| (4) Construction Start | 00 FEB | | | | | | | | | | | | | | | | | |
| (5) Construction Completion | 01 MAY | | | | | | | | | | | | | | | | | |
| (6) Energy Study/Life-Cycle analysis was/will be performed | Y | | | | | | | | | | | | | | | | | |

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|---|--|-------------------|------------------------------|-------------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE |
| AIR FORCE | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | |
| RAF LAKENHEATH, UNITED KINGDOM | | | CONSOLIDATED SUPPORT COMPLEX | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | |
| 2.75.96 | 610-128 | MSET963002 | AUTH: | 12,400 |
| | | | APPROP: | 3,221 |
| 9. COST ESTIMATES | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST (\$000) |
| CONSOLIDATED SUPPORT COMPLEX | | SM | 4,629 | 8,011 |
| SECURITY FORCES OPERATIONS | | SM | 1,800 | 1,612 (2,902) |
| BASE SUPPORT COMPLEX | | SM | 2,829 | 1,806 (5,109) |
| SUPPORTING FACILITIES | | | | 3,421 |
| UTILITIES | | LS | | (579) |
| SITE IMPROVEMENTS | | LS | | (357) |
| PAVEMENTS | | LS | | (424) |
| TEMPORARY FACILITY | | SM | 1,674 | 597 (999) |
| DEMOLITION/ASBESTOS REMOVAL/DISPOSAL | | SM | 6,275 | 125 (784) |
| FORCE PROTECTION/ANTITERRORISM | | LS | | (278) |
| SUBTOTAL | | | | 11,432 |
| CONTINGENCY (5%) | | | | 572 |
| TOTAL CONTRACT COST | | | | 12,004 |
| SUPERVISION, INSPECTION AND OVERHEAD (2.5%) | | | | 300 |
| TOTAL REQUEST | | | | 12,304 |
| TOTAL REQUEST (ROUNDED) | | | | 12,400 |
| EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD) | | | | (608) |
| FCF BUDGET RATE USED: POUND 0.6045 | | | | |
| 10. Description of Proposed Construction: Construct 3-story facility with reinforced concrete foundation and floor slabs, masonry walls with brick veneer, sloped metal roof, supporting utilities, site improvements and parking lots/landscaping as required. Demolish 10 buildings (6,275 SM) to include asbestos abatement and disposal. Passive force protection measures to be incorporated IAW Air Force force Protection Guide. Air Conditioning: 400 KW. | | | | |
| 11. REQUIREMENT: 10,050 SM ADEQUATE: 5,422 SM SUBSTANDARD: 5,338 SM PROJECT: Construct a consolidated support complex. (Current Mission) REQUIREMENT: A consolidated facility is required to accommodate Lakenheath's security forces and Support Group operations, allowing them to move out of 24 existing deteriorated facilities. Security forces must have an adequate area to support functions including law enforcement, base security control center, combat arms training, mobility warehouse, and an armory. Mission support functions include a group headquarters, comptroller, personnel offices, traffic management, and law offices. A consolidated facility improves efficiencies and reduces facility support costs. Temporary leased facilities (1,674 SM) will be required to house functions displaced by demolition during construction. The facility must be passively designed to deter terrorist activity and protect the large amount of personnel using the facility from possible terrorist attack. CURRENT SITUATION: Security forces personnel occupy 10 separate dispersed facilities with insufficient space making routine communication and coordination extremely inefficient. Central weapons storage is too small requiring an additional remote armory, jeopardizing control of crucial assets. Current mobility storage uses a Hardened Aircraft Shelter and | | | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| AIR FORCE | | |
| 3. INSTALLATION AND LOCATION | | |
| RAF LAKENHEATH, UNITED KINGDOM | | |
| 4. PROJECT TITLE | 5. PROJECT NUMBER | |
| CONSOLIDATED SUPPORT COMPLEX | MSET963002 | |
| <p>must be relocated every time there is an exercise. The Support Group functions are housed in fifteen different facilities, up to one mile from the main support area. Facilities date to 1942 and include quonset huts. Their old mechanical and electrical systems are difficult and costly to maintain. Lightning protection and thermal insulation are inadequate and pose safety hazards to base personnel and their families.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Operations and maintenance of these substandard facilities will continue to drain the limited operations and maintenance budget due to the need for continuous repairs. Security Forces' mission effectiveness and efficiency will continue to be degraded due to disjointed command and control as well as inadequate and unsafe facilities.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". This project is not eligible for NATO funding because the existing wing headquarters exceeds the criteria (300 SM) and meets the requirements identified in the NATO Approved Criteria & Standards for Tactical & Transport Airfields-6th Edition for this type of facility. An economic analysis has been prepared and determined that new construction was the most cost effective option.</p> <p><u>BASE CIVIL ENGINEER:</u> Lt Col Andy Scrafford, 011-44-1638-52-2100. Security Forces Operations Facility: 1,800 SM = 19,368 SF. Base Support Complex: 2,829 SM = 30,440 SF. This project is funded using advance appropriation. However, full arequested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | 2. DATE |
| AIR FORCE | (computer generated) | | |
| 3. INSTALLATION AND LOCATION | | | |
| RAF LAKENHEATH, UNITED KINGDOM | | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER | |
| CONSOLIDATED SUPPORT COMPLEX | | MSET963002 | |
| 12. SUPPLEMENTAL DATA: | | | |
| a. Estimated Design Data: | | | |
| (1) Project to be accomplished by design-build procedures | | | |
| (2) Basis: | | | |
| (a) Standard or Definitive Design - | | | NO |
| (b) Where Design Was Most Recently Used - | | | N/A |
| (3) Design Allowance | | | 620 |
| (4) Construction Start | | | 00 JAN |
| (5) Construction Completion | | | 01 AUG |
| (6) Energy Study/Life-Cycle analysis was/will be performed | | | Y |
| b. Equipment associated with this project will be provided from other appropriations: | | | |
| EQUIPMENT NOMENCLATURE | PROCURING APPROPRIATION | FISCAL YEAR APPROPRIATED OR REQUESTED | COST (\$000) |
| PREWIRED WORK STATIONS | 3400 | 2000 | 608 |

| | | | | | | | | | | | |
|---|--|---|------|-----------|------------------------------------|--------------|--------|--------------------|---------|-----|-------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | 2. DATE | | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | 4. COMMAND | | | 5. AREA CONST | | | |
| ROYAL AIR FORCE MILDENHALL, UNITED KINGDOM | | | | | UNITED STATES AIR FORCES IN EUROPE | | | COST INDEX 1.43 | | | |
| 6. PERSONNEL STRENGTH | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | TOTAL |
| | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | |
| a. As of 30 SEP 98 | | 411 | 3491 | 230 | | | | 9 | 27 | 3 | 4,171 |
| b. End FY 2003 | | 406 | 3493 | 224 | | | | 9 | 27 | 3 | 4,162 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (1,121) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) 151,591 | | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: 0 | | | | | | | | | | | |
| d. Authorization Requested In This Program: 17,600 | | | | | | | | | | | |
| e. Authorization Included In Following Program: (FY 2001) 0 | | | | | | | | | | | |
| f. Planned In Next Four Program Years: 82,349 | | | | | | | | | | | |
| g. Remaining Deficiency: 0 | | | | | | | | | | | |
| h. Grand Total: 251,540 | | | | | | | | | | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | PROJECT TITLE | | SCOPE | | COST (\$000) | | DESIGN STATUS | | | |
| CODE | | | | | | | | START | CMPL | | |
| 141-456 | OPERATIONS FACILITY | | | 1,300 SM | | 4,100 | | TURN KEY | | | |
| 171-212 | KC-135 FLIGHT SIMULATOR FACILITY | | | 550 SM | | 2,300 | | TURN KEY | | | |
| 211-152 | CONSOLIDATED CORROSION CONTROL & MAINTENANCE COMPLEX | | | 5,272 SM | | 10,200 | | TURN KEY | | | |
| 442-257 | HAZMAT STORAGE FACILITY | | | 653 SM | | 1,000 | | TURN KEY | | | |
| TOTAL: | | | | | | | 17,600 | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) NONE | | | | | | | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 113-321 | NORTH RAMP EXPANSION | | | 30,000 SM | | 8,000 | | | | | |
| 113-321 | SOUTH SIDE HARDSTANDS | | | 11,600 SM | | 3,100 | | | | | |
| 130-142 | FIRE STATION | | | 2,800 SM | | 4,750 | | | | | |
| 131-111 | COMMUNICATIONS FACILITY | | | 1,400 SM | | 4,000 | | | | | |
| 141-786 | MOBILITY PROCESSING CENTER | | | 2,800 SM | | 4,500 | | | | | |
| 149-962 | CONTROL TOWER/BASE OPERATIONS COMPLEX | | | 1,550 SM | | 5,300 | | | | | |
| 211-111 | KC-135 HANGAR | | | 3,000 SM | | 5,200 | | | | | |
| 211-157 | SPECIAL OPERATIONS ENGINE SHOP | | | 1,600 SM | | 3,000 | | | | | |
| 214-425 | TRANSPORTATION COMPLEX | | | 8,000 SM | | 5,499 | | | | | |
| 217-712 | AVIONICS SHOP | | | 511 SM | | 4,600 | | | | | |
| 610-127 | BASE ENGINEER COMPLEX | | | 2,400 SM | | 8,800 | | | | | |
| 610-129 | SPECIAL OPERATIONS MAINTENANCE SQUADRON FACILITY | | | 409 SM | | 1,400 | | | | | |
| 721-312 | DORMITORY | | | 168 RM | | 16,200 | | | | | |
| 740-674 | FITNESS CENTER | | | 1,900 SM | | 5,000 | | | | | |
| 812-223 | BASE ELECTRICAL DISTRIBUTION | | | 6,500 LM | | 3,000 | | | | | |
| 10. Mission or Major Functions: The host air refueling wing supports a KC-135 squadron and the European Tanker Task Force. RAF Mildenhall also hosts headquarters Third Air Force, a special operations group flying MH-130E, HC-130P/N, MH-53J aircraft, and a reconnaissance squadron flying RC/EC/OC-135 aircraft. | | | | | | | | | | | |

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|---|---|-----|-----|----------|-----|-----|------------|------------------------------------|-----|---------|--------------------------|------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | 2. DATE | | |
| AIR FORCE | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | ROYAL AIR FORCE MILDENHALL, UNITED KINGDOM | | | | | | 4. COMMAND | UNITED STATES AIR FORCES IN EUROPE | | | 5. AREA CONST COST INDEX | 1.43 |
| 6. PERSONNEL STRENGTH | PERMANENT | | | STUDENTS | | | SUPPORTED | | | TOTAL | | |
| | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | | | |
| a. As of | | | | | | | | | | | | |
| b. End FY | | | | | | | | | | | | |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | | |
| a. Total Acreage: | | | | | | | | | | | | |
| b. Inventory Total As Of: | | | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | | | |
| d. Authorization Requested In This Program: | | | | | | | | | | | | |
| e. Authorization Included In Following Program: | | | | | | | | | | | | |
| f. Planned In Next Four Program Years: | | | | | | | | | | | | |
| g. Remaining Deficiency: | | | | | | | | | | | | |
| h. Grand Total: | | | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | 0 | | |
| b. Water pollution: | | | | | | | | | | 0 | | |
| c. Occupational safety and health: | | | | | | | | | | 0 | | |
| d. Other Environmental: | | | | | | | | | | 1,500 | | |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | 73,458 | | |

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|---|------------------|--|---|-----------|--------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE | |
| AIR FORCE | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| RAF MILDENHALL, UNITED KINGDOM | | | CONSOLIDATED CORROSION CONTROL & MAINTENANCE COMPLEX | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 2.75.96 | 211-152 | QFQE993013 | AUTH: 10,200 APPROP: 2,693 | | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| CONSOLIDATED CORROSION CONTROL & MAINTENANCE COMPLEX | | SM | 5,272 | 1,558 | 8,214 |
| SUPPORTING FACILITIES | | | | | 1,345 |
| UTILITIES | | LS | | | (466) |
| PAVEMENTS | | LS | | | (397) |
| SITE IMPROVEMENTS | | LS | | | (308) |
| DEMOLITION | | SM | 1,449 | 120 | (174) |
| SUBTOTAL | | | | | 9,559 |
| CONTINGENCY (5%) | | | | | 478 |
| TOTAL CONTRACT COST | | | | | 10,037 |
| SUPERVISION, INSPECTION AND OVERHEAD (2.5%) | | | | | 251 |
| TOTAL REQUEST | | | | | 10,288 |
| TOTAL REQUEST (ROUNDED) | | | | | 10,200 |
| FCF BUDGET RATE USED: POUND 0.6045 | | | | | |
| 10. Description of Proposed Construction: Reinforced concrete foundations and floor slabs, steel frame structure with exterior clad in masonry, insulated single-pitched metal roof, utility connections, associated roads and paving, all utilities, site improvements, and all necessary support to result in a complete and useable facility. Demolish five buildings (1,449 SM). Air Conditioning: 300 KW. | | | | | |
| 11. REQUIREMENT: 9,077 SM ADEQUATE: 3,719 SM SUBSTANDARD: 4,329 SM PROJECT: Construct a consolidated corrosion control/maintenance complex. (Current Mission) REQUIREMENT: A functionally consolidated and adequately sized building is required to support repair and maintenance of large-framed strategic airlift and refueling aircraft components in close proximity to other maintenance functions. In addition to corrosion control activities, this facility will also accommodate non-destructive inspection areas, battery storage, fiberglass repair workshops, fabrication and pneudraulics, cryogenics, metalworking, wheel and tire, and survival equipment shops as well as the maintenance unit commander and staff. All functions are critical to the readiness, reliability and safe air operations of airlift and tanker aircraft supporting U. S. missions in Europe and Southwest Asia. CURRENT SITUATION: The maintenance functions are currently housed in fifteen deteriorated facilities located primarily in the administrative area on the north side of the base, away from the aircraft supported on the south side of the base. These facilities are adapted World War II buildings, severely undersized, and are not adequate for current | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION RAF MILDENHALL, UNITED KINGDOM | | |
| 4. PROJECT TITLE CONSOLIDATED CORROSION CONTROL & MAINTENANCE COMPLEX | 5. PROJECT NUMBER QFQE993013 | |
| <p>functions. The inability to perform all required maintenance and life support actions results in significant daily work-arounds and expense to use CONUS resources. The separation of functions results in decreased efficiencies as crucial aircraft components must be transported from one shop to another for maintenance and repairs. The overall effectiveness of aircraft repair and vital preventative maintenance actions is impaired by deficient facilities with failing infrastructure and utility systems. Command and control suffers from the disjointed location of interactive functions.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Physical separation will continue to create fragmented lines of communications/authority and increase aircraft repair response times, negatively impact the wing mission. Aircraft maintenance functions will require continuous work-arounds that waste critical manpower and degrade the mission. Many functions will continue to work out of substandard facilities such as Quonset huts with frequent utility outages and deteriorated infrastructure.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements". This project is not currently eligible for NATO funding, but a precautionary prefinancing statement will be submitted to NATO in the event future eligibility is established. A preliminary analysis of reasonable options was done and indicates only one option meets operational requirements. Therefore, a full economic analysis was not accomplished. A certificate of exception has been prepared. Base Civil Engineer: Lt Col York Thorpe 011-44-1638-54-5630. Consolidated Corrosion Control Facility: 5,272 SM=56,727 SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION RAF MILDENHALL, UNITED KINGDOM | | |
| 4. PROJECT TITLE CONSOLIDATED CORROSION CONTROL & MAINTENANCE COMPLEX | 5. PROJECT NUMBER QFQE993013 | |
| 12. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Project to be accomplished by design-build procedures (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Design Allowance 510 (4) Construction Start 00 MAR (5) Construction Completion 01 OCT (6) Energy Study/Life-Cycle analysis was/will be performed Y b. Equipment associated with this project will be provided from other appropriations: N/A | | |

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|--|------------------|--|-------------------------------------|-----------|--------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | 2. DATE | |
| AIR FORCE | | (computer generated) | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| RAF MILDENHALL, UNITED KINGDOM | | | HAZARDOUS MATERIAL STORAGE FACILITY | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 2.74.56 | 442-257 | QFQE966003E | AUTH: 1,000 APPROP: 267 | | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| HAZARDOUS MATERIAL STORAGE FACILITY | | SM | 653 | 1,332 | 870 |
| SUPPORTING FACILITIES | | | | | 75 |
| UTILITIES | | LS | | | (35) |
| SITE IMPROVEMENTS | | LS | | | (15) |
| PAVEMENTS | | LS | | | (25) |
| SUBTOTAL | | | | | 945 |
| CONTINGENCY (5%) | | | | | 47 |
| TOTAL CONTRACT COST | | | | | 992 |
| SUPERVISION, INSPECTION AND OVERHEAD (2.5%) | | | | | 25 |
| TOTAL REQUEST | | | | | 1,017 |
| TOTAL REQUEST (ROUNDED) | | | | | 1,000 |
| FCF BUDGET RATE USED: POUND 0.6045 | | | | | |
| 10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, structural steel frame with masonry walls and exterior brick veneer, backup wall and spill containment, site improvements, and all necessary support to provide a complete and useable facility. | | | | | |
| 11. REQUIREMENT: 653 SM ADEQUATE: 0 SUBSTANDARD: 224 SM PROJECT: Construct a hazardous material storage facility. (Current Mission) REQUIREMENT: This is a Level I environmental compliance requirement. DODD 4145.19R-1 and Final Governing Standards for the United Kingdom (FGS-UK) para 5-1 require a facility to adequately and safely store hazardous materials on base. CURRENT SITUATION: RAF Mildenhall is located atop a Class 1 aquifer which supplies all drinking water for the entire Eastern region of England. All current HAZMAT storage is located within a "circle of high risk to the aquifer" as defined by the British Environmental Agency. The existing eleven storage areas do not meet current compliance standards and are operating under fire protection deficiency waivers. This has led to nine ECAMP findings for compressed gases, corrosives, and flammable storage. Currently, incompatible materials cannot be segregated, there is no secondary spill containment or fire suppression, and ventilation is inadequate. IMPACT IF NOT PROVIDED: Uncontained hazardous material spills continue to place the largest Class-1 aquifer in the UK at risk of contamination, as well as the continued risk of personal injury or property damage or loss due to unsafe and inadequately protected facilities. ADDITIONAL: This project meets criteria/scope specified in the AFCEE "Facility Planning and Design Guide, Hazardous Materials Pharmacy". This | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION RAF MILDENHALL, UNITED KINGDOM | | |
| 4. PROJECT TITLE HAZARDOUS MATERIAL STORAGE FACILITY | 5. PROJECT NUMBER QFQE966003E | |
| <p>project is not eligible for NATO funding because it does not meet the criteria established in NATO Approved Criteria & Standards for Tactical & Transport Airfields-6th Edition. An economic analysis is not required for this project. BASE CIVIL ENGINEER: Lt Col York Thorpe, 011-44-1638-54-5630. Hazardous Material Storage: 653 SM = 7,026 SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| AIR FORCE | | |
| 3. INSTALLATION AND LOCATION | | |
| RAF MILDENHALL, UNITED KINGDOM | | |
| 4. PROJECT TITLE | 5. PROJECT NUMBER | |
| HAZARDOUS MATERIAL STORAGE FACILITY | QFQE966003E | |
| 12. SUPPLEMENTAL DATA: | | |
| a. Estimated Design Data: | | |
| (1) Project to be accomplished by design-build procedures | | |
| (2) Basis: | | |
| (a) Standard or Definitive Design - | | NO |
| (b) Where Design Was Most Recently Used - | | N/A |
| (3) Design Allowance | | 50 |
| (4) Construction Start | | 99 DEC |
| (5) Construction Completion | | 00 DEC |
| (6) Energy Study/Life-Cycle analysis was/will be performed | | Y |
| b. Equipment associated with this project will be provided from other appropriations: N/A | | |

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|--|--|--|-------------------|-------------------------------------|--------------|--|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE | |
| AIR FORCE | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | 4. PROJECT TITLE | | |
| RAF MILDENHALL, UNITED KINGDOM | | | | KC-135 FLIGHT SIMULATOR FACILITY | | |
| 5. PROGRAM ELEMENT | | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 2.75.96 | | 171-212 | QFQE993036 | AUTH: | 2,300 | |
| | | | | APPROP: | 600 | |
| 9. COST ESTIMATES | | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) | |
| FLIGHT SIMULATOR FACILITY | | SM | 550 | 3,160 | 1,738 | |
| SUPPORTING FACILITIES | | | | | 391 | |
| UTILITIES | | LS | | | (183) | |
| SITE IMPROVEMENTS | | LS | | | (94) | |
| PAVEMENTS | | LS | | | (79) | |
| PASSIVE FORCE PROTECTION | | LS | | | (35) | |
| SUBTOTAL | | | | | 2,129 | |
| CONTINGENCY (5%) | | | | | 106 | |
| TOTAL CONTRACT COST | | | | | 2,235 | |
| SUPERVISION, INSPECTION AND OVERHEAD (2.5%) | | | | | 56 | |
| TOTAL REQUEST | | | | | 2,291 | |
| TOTAL REQUEST (ROUNDED) | | | | | 2,300 | |
| EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD) | | | | | (2,700) | |
| FCF BUDGET RATE USED: POUND 0.6045 | | | | | | |
| 10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, concrete masonry walls with brick veneer, simulated slate roof to match surrounding facilities, climate control, all pavements, utilities and necessary support. Security measures such as area lighting, compound fencing, laminated glass windows, access control door locks, and landscaping will be incorporated into this project. Air Conditioning: 125 KW. | | | | | | |
| 11. REQUIREMENT: 550 SM ADEQUATE: 0 SUBSTANDARD: 0 PROJECT: Construct KC-135 flight simulator facility. (New mission) REQUIREMENT: Construct facility to house a new KC-135 flight training simulator. This simulator is required for aircrew familiarization and flying proficiency training in support of European and Southwest Asia air refueling operations. The introduction of a simulator facility to RAF Mildenhall will eliminate the annual requirement to send aircrews to the United States. Accessible and frequent simulator training is required for pilots to prepare for missions requiring unfamiliar airfield operations and non-DoD instrument runway approaches. Passive force protection measures are required to safeguard pilots from possible terrorist activity. CURRENT SITUATION: There is currently no flight simulator in Europe to support Mildenhall's 22 assigned KC-135 aircraft. Aircrews must be sent to the U. S. for annual proficiency training, impacting both mission readiness and scarce fiscal resources. The consistently high operations tempo in support of European and Southwest Asian operations and the lack of a readily available flight simulator is causing pilots to fall behind on training requirements for flight emergency procedures and unfamiliar | | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION RAF MILDENHALL, UNITED KINGDOM | | |
| 4. PROJECT TITLE KC-135 FLIGHT SIMULATOR FACILITY | 5. PROJECT NUMBER QFQE993036 | |
| <p>situations. A simulator is currently available in the Air Force inventory and will be upgraded and transported to Mildenhall upon completion of construction.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Mildenhall will continue to incur high travel costs and decreased mission readiness to satisfy annual aircrew proficiency training. There will be no local training to improve safety of operations supporting multiple KC-135 commitments in Eastern Europe and Africa. Overall readiness will be degraded due to the required travel for proficiency, adding to an already extremely heavy deployment tempo.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084 "Standard Facility Requirements Handbook". This project is not eligible for NATO funding. Preliminary analysis of reasonable options was done and indicates that there is only one option (construct new) that will meet operational requirements. Therefore, a full economic analysis was not performed. Force protection measures are considered IAW USAF Installation Force Protection Guide. BASE CIVIL ENGINEER:Lt Col York Thorpe, 011-44-1638-54-5630. Flight simulator facility: 550 SM=5918 SF. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | 2. DATE |
| AIR FORCE | (computer generated) | | |
| 3. INSTALLATION AND LOCATION | | | |
| RAF MILDENHALL, UNITED KINGDOM | | | |
| 4. PROJECT TITLE | | | 5. PROJECT NUMBER |
| KC-135 FLIGHT SIMULATOR FACILITY | | | QFOE993036 |
| 12. SUPPLEMENTAL DATA: | | | |
| a. Estimated Design Data: | | | |
| (1) Project to be accomplished by design-build procedures | | | |
| (2) Basis: | | | |
| (a) Standard or Definitive Design - | | | NO |
| (b) Where Design Was Most Recently Used - | | | N/A |
| (3) Design Allowance | | | 115 |
| (4) Construction Start | | | 99 DEC |
| (5) Construction Completion | | | 01 JAN |
| (6) Energy Study/Life-Cycle analysis was/will be performed | | | Y |
| b. Equipment associated with this project will be provided from other appropriations: | | | |
| EQUIPMENT NOMENCLATURE | PROCURING APPROPRIATION | FISCAL YEAR APPROPRIATED OR REQUESTED | COST (\$000) |
| FLIGHT SIMULATOR UPGRADES (ACTUAL SIMULATOR CURRENTLY IN AIR FORCE INVENTORY) | 3010 | 2000 | 2700 |

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|---|------------------|--|------------------------------|-----------|--------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE | |
| AIR FORCE | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| RAF MILDENHALL UNITED KINGDOM | | | OPERATIONS FACILITY | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 2.80.19 TIARA | 141-456 | QFQE963019 | AUTH: 4,100 APPROP: 1,076 | | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| OPERATIONS FACILITY | | SM | 1,300 | 1,975 | 2,568 |
| SUPPORTING FACILITIES | | | | | 1,249 |
| UTILITIES | | LS | | | (375) |
| FIRE PROTECTION | | LS | | | (65) |
| SITE IMPROVEMENTS | | LS | | | (46) |
| PAVEMENT | | LS | | | (34) |
| DEMOLITION | | SM | 280 | 121 | (34) |
| SECURE COMMUNICATIONS | | LS | | | (595) |
| FORCE PROTECTION/ANTITERRORISM | | LS | | | (100) |
| SUBTOTAL | | | | | 3,817 |
| CONTINGENCY (5%) | | | | | 191 |
| TOTAL CONTRACT COST | | | | | 4,008 |
| SUPERVISION, INSPECTION AND OVERHEAD (2.5%) | | | | | 100 |
| TOTAL REQUEST | | | | | 4,108 |
| TOTAL REQUEST (ROUNDED) | | | | | 4,100 |
| FCF BUDGET RATE USED: POUND 0.6045 | | | | | |
| 10. Description of Proposed Construction: Construct concrete foundation, concrete slab on grade, masonry walls, and pitched metal roof to comply with separation/security criteria in accordance with DCID 1/21, sensitive compartmented information facility (SCIF) requirements. Includes a secure communications network, site work, pavements, and utilities. Demolish one bldg (280 SM). Force protection includes blast walls & laminated glass. Air Conditioning: 40 KW. | | | | | |
| 11. REQUIREMENT: 3,495 SM ADEQUATE: 2,195 SM SUBSTANDARD: 1,037 SM PROJECT: Construct an operations facility. (current mission) REQUIREMENT: A squadron operations facility consolidating all primary mission functions of the 488th Intelligence Squadron (IS) is required to ensure effective mission accomplishment and operational efficiencies. This facility will house combat crew flight planning, briefing, and debriefing areas in a secure environment. The facility is also required to direct flight operations for Rivet Joint ground processing and real-time intelligence support for the European theater. Due to its crucial intelligence-gathering mission, the facility must be designed to deter and protect from possible terrorist activity. CURRENT SITUATION: Personnel increases have forced the 488th IS to disperse its functions to available space at RAF Mildenhall; existing buildings are structurally deteriorated and scheduled for demolition. These facilities also cannot be upgraded to meet SCIF requirements for the storage and use of classified information. Other buildings currently in use are not properly configured and are scattered in various distances from the main operations center. Sensitive electronic equipment operating in unsuitable conditions must be transported between locations in | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION RAF MILDENHALL UNITED KINGDOM | | |
| 4. PROJECT TITLE OPERATIONS FACILITY | 5. PROJECT NUMBER QFQE963019 | |
| <p>inclement weather for maintenance support.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The 488th's mission effectiveness will continue to be impacted by the delay in transfer and the length of time in reporting critical intelligence data. Expanded mission requirements and manpower increases exacerbates currently crowded conditions. Additional equipment scheduled to upgrade capabilities will further reduce space. Facilities unable to be shielded for sensitive information control will continue to diminish squadron operations and potentially result in an inadvertent release of classified information.</p> <p><u>ADDITIONAL:</u> Due to the unique nature of the mission and its sole support of USAF operations, this project is not NATO eligible. A preliminary analysis of options for accomplishing this project was done. It indicates only one option will meet operational requirements. Because of this a full economic analysis was not prepared. A certificate of exception has been prepared. No criteria/scope for this type of facility exists in Air Force Handbook 32-1084, but the project scope meets facility needs of the 488th Intelligence Squadron. Base Civil Engineer: Lt Col York Thorpe 011-44-638-54-2205. Operations Facility: 1,300 SM = 13,988 SF. This project is funded using advance appropriation. However, full authorization is requested in the year of intial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION RAF MILDENHALL UNITED KINGDOM | | |
| 4. PROJECT TITLE OPERATIONS FACILITY | 5. PROJECT NUMBER QFQE963019 | |
| 12. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Project to be accomplished by design-build procedures (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Design Allowance 205 (4) Construction Start 99 DEC (5) Construction Completion 01 MAR (6) Energy Study/Life-Cycle analysis was/will be performed Y b. Equipment associated with this project will be provided from other appropriations: N/A | | |

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|--|---|-----|-----|----------|-------|---------|--------------------------|--------|-------|---------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | 2. DATE |
| AIR FORCE | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | 4. COMMAND | | | | | | 5. AREA CONST COST INDEX | | | |
| RAF MOLESWORTH, UNITED KINGDOM | UNITED STATES AIR FORCES IN EUROPE | | | | | | 1.43 | | | |
| 6. PERSONNEL STRENGTH | PERMANENT | | | STUDENTS | | | SUPPORTED | | | TOTAL |
| | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | |
| a. As of 30 SEP 98 | 38 | 448 | 50 | | | | 83 | 266 | 211 | 1,096 |
| b. End FY 2115 | 38 | 451 | 50 | | | | 83 | 266 | 211 | 1,099 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | |
| a. Total Acreage: | (659) | | | | | | | | | |
| b. Inventory Total As Of: | (30 SEP 98) | | | | | | | | | 42,384 |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | 0 |
| d. Authorization Requested In This Program: | | | | | | | | | | 1,700 |
| e. Authorization Included In Following Program: | (FY 2001) | | | | | | | | | 0 |
| f. Planned In Next Four Program Years: | | | | | | | | | | 0 |
| g. Remaining Deficiency: | | | | | | | | | | 0 |
| h. Grand Total: | | | | | | | | | | 44,084 |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | |
| CATEGORY | | | | | | COST | DESIGN | STATUS | | |
| CODE | PROJECT TITLE | | | | SCOPE | (\$000) | START | CMPL | | |
| 831-165 | WASTEWATER TREATMENT FACILITY | | | | 1 EA | 1,700 | TURN KEY | | | |
| | | | | | | TOTAL: | 1,700 | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) NONE | | | | | | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | |
| 10. Mission or Major Functions: A GSU under the 100 ARW, RAF Mildenhall, supporting the USEUCOM Joint Analysis Center. Maintains facilities on RAF Molesworth, RAF Alconbury and RAF Upwood. | | | | | | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | 0 | |
| b. Water pollution: | | | | | | | | | 0 | |
| c. Occupational safety and health: | | | | | | | | | 0 | |
| d. Other Environmental: | | | | | | | | | 0 | |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | 1,418 | |

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|--|--|----------------------------|-------------------------|--------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | | 2. DATE |
| AIR FORCE | (computer generated) | | | |
| 3. INSTALLATION AND LOCATION | | 4. PROJECT TITLE | | |
| RAF MOLESWORTH, UNITED KINGDOM | | WASTEWATER TREATMENT PLANT | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | |
| 2.74.56 | 831-165 | QNDR003002 | AUTH: 1,700 | |
| | | | APPROP: 445 | |
| 9. COST ESTIMATES | | | | |
| ITEM | U/M | QUANTITY | UNIT COST | COST (\$000) |
| WASTEWATER TREATMENT PLANT | LS | | | 1,254 |
| SUPPORTING FACILITIES | | | | 325 |
| UTILITIES | LS | | | (135) |
| SITE IMPROVEMENTS | LS | | | (190) |
| SUBTOTAL | | | | 1,579 |
| CONTINGENCY (5%) | | | | 79 |
| TOTAL CONTRACT COST | | | | 1,658 |
| SUPERVISION, INSPECTION AND OVERHEAD (2.5%) | | | | 41 |
| TOTAL REQUEST | | | | 1,699 |
| TOTAL REQUEST (ROUNDED) | | | | 1,700 |
| FCF BUDGET RATE USED: POUND 0.6045 | | | | |
| 10. Description of Proposed Construction: Construct a 250,000 gallons per day secondary wastewater treatment plant (WWTP) consisting of influent structure, primary and secondary clarifiers, trickling filters, sludge disposal, and a lift station. | | | | |
| 11. REQUIREMENT: 1 EA ADEQUATE: 0 SUBSTANDARD: 1 EA | | | | |
| PROJECT: Construct a wastewater treatment plant. (Current Mission) | | | | |
| REQUIREMENT: This is a Level 1 environmental compliance requirement. The current plant does not meet Chapter 4-1, B of the United Kingdom (UK) Final Governing Standards (FGS) and UK Environmental Agency consent to discharge secondary treated sewage effluent. Several violations for exceeding biological oxygen demand (BOD), total suspended solids (TSS), and ammonia have been cited. | | | | |
| CURRENT SITUATION: The existing 1940s vintage plant is beyond economical repair and must be replaced. Only manpower-intensive workarounds allow the plant to operate. Average daily flows exceed the permitted capacity of the plant. These violations can be documented and cited in the next year as permit flow metering requirements have been implemented by the UK Environmental Agency. The plant lacks the capacity required for system maintenance, as all treatment processes must be online at all times to meet demand. Storms cause flooding of facilities due to infiltration/inflow problems. Maintenance is inefficient and intensive due to the age of the plant. | | | | |
| IMPACT IF NOT PROVIDED: Continued noncompliance with UK FGS effluent standards and the inability to continually monitor and contain hazardous spills may result in potential fines, adverse publicity for the base, and health risks to the environment, ecology, and surrounding towns using the local aquifer. | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION RAF MOLESWORTH, UNITED KINGDOM | | |
| 4. PROJECT TITLE WASTEWATER TREATMENT PLANT | 5. PROJECT NUMBER QNDR003002 | |
| <p>ADDITIONAL: The proposed project meets the criteria/scope specified in Air Force Manual 88-11, "Facility Requirements". This project is not eligible for NATO funding because it does not meet the criteria established in NATO Approved Criteria & Standards for Tactical & Transport Airfields-6th Edition. BASE CIVIL ENGINEER: Maj Jeffrey Jackson, 011-44-1480-84-3216. This project is funded using advance appropriation. However, full authorization is requested in the year of initial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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|---|--|---------|-------------------------------------|----|---|-----|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | | | | |
| 3. INSTALLATION AND LOCATION RAF MOLESWORTH, UNITED KINGDOM | | | | | | |
| 4. PROJECT TITLE WASTEWATER TREATMENT PLANT | 5. PROJECT NUMBER QNDR003002 | | | | | |
| <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by design-build procedures</p> <p>(2) Basis:</p> <table data-bbox="357 672 1396 745"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Design Allowance 85</p> <p>(4) Construction Start 99 DEC</p> <p>(5) Construction Completion 01 JAN</p> <p>(6) Energy Study/Life-Cycle analysis was/will be performed Y</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> | | | (a) Standard or Definitive Design - | NO | (b) Where Design Was Most Recently Used - | N/A |
| (a) Standard or Definitive Design - | NO | | | | | |
| (b) Where Design Was Most Recently Used - | N/A | | | | | |

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| 1. COMPONENT AIR FORCE | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE | |
| 3. INSTALLATION AND LOCATION VARIOUS LOCATIONS | | | 4. PROJECT TITLE Supervision, Inspection, and Overhead | | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | | 8. PROJECT COST (\$000) Auth: -- Approp: -3,376 | | |
| 9. COST ESTIMATE | | | | | | |
| ITEM | | | | U/M | QUANTITY | UNIT COST |
| SUPERVISION, INSPECTION, AND OVERHEAD | | | | | | -3,376 |
| SUBTOTAL | | | | | | -3,376 |
| TOTAL CONTRACT COST | | | | | | -3,376 |
| TOTAL REQUEST | | | | | | -3,376 |
| TOTAL REQUEST (ROUNDED) | | | | | | -3,376 |
| 10. Description of Proposed Construction: The funds requested will be used to finance the Supervision, Inspection, and Overhead (SIOH) associated with Air Force Military Construction funded projects which will be executed in Budget Activity 3. | | | | | | |

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|---|--|---|-------------------|--|--|--------------|
| 1. COMPONENT AIR FORCE | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE | |
| 3. INSTALLATION AND LOCATION VARIOUS LOCATIONS | | | | 4. PROJECT TITLE Supervision, Inspection, and Overhead | | |
| 5. PROGRAM ELEMENT | | 6. CATEGORY CODE | 7. PROJECT NUMBER | | 8. PROJECT COST (\$000) Auth: -- Approp: 3,376 | |
| 9. COST ESTIMATE | | | | | | |
| ITEM | | | | U/M | QUANTITY | UNIT COST |
| | | | | | | COST (\$000) |
| SUPERVISION, INSPECTION, AND OVERHEAD | | | | | | 3,376 |
| SUBTOTAL | | | | | | 3,376 |
| TOTAL CONTRACT COST | | | | | | 3,376 |
| TOTAL REQUEST | | | | | | 3,376 |
| TOTAL REQUEST (ROUNDED) | | | | | | 3,376 |
| 10. Description of Proposed Construction: Supervision, Inspection, and Overhead (SIOH) costs are being annualized beginning with the FY 2000 budget. These costs will be managed and executed in Budget Activity 3. | | | | | | |

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|--|--|---|-----|-------|------------|--------------|--------|-----------------------------|---------|-----|---------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | 2. DATE | | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | 4. COMMAND | | | 5. AREA CONST COST INDEX | | | |
| VARIOUS LOCATIONS | | | | | | | | 0.00 | | | |
| 6. PERSONNEL STRENGTH | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 98 | | | | | | | | | | | |
| b. End FY 2005 | | | | | | | | | | | |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (0) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) | | | | | | | | | | | 0 |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | | 0 |
| d. Authorization Requested In This Program: | | | | | | | | | | | 36,745 |
| e. Authorization Included In Following Program: (FY 2001) | | | | | | | | | | | 56,715 |
| f. Planned In Next Four Program Years: | | | | | | | | | | | 251,777 |
| g. Remaining Deficiency: | | | | | | | | | | | 0 |
| h. Grand Total: | | | | | | | | | | | 345,237 |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | PROJECT TITLE | | SCOPE | | COST (\$000) | | DESIGN STATUS | | | |
| CODE | | | | | | | | START | CMPL | | |
| 010-211 | | PLANNING AND DESIGN | | | LS | 28,004 | | | | | |
| 010-211 | | UNSPECIFIED MINOR CONSTRUCTION | | | LS | 8,741 | | | | | |
| | | | | | | TOTAL: | 36,745 | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | |
| 010-211 | | PLANNING AND DESIGN | | | LS | 47,224 | | | | | |
| 010-211 | | UNSPECIFIED MINOR CONSTRUCTION | | | LS | 9,491 | | | | | |
| | | | | | | TOTAL: | 56,715 | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 010-211 | | PLANNING AND DESIGN | | | LS | 43,971 | | | | | |
| 010-211 | | UNSPECIFIED MINOR CONSTRUCTION | | | LS | 9,845 | | | | | |
| 010-211 | | PLANNING AND DESIGN | | | LS | 50,478 | | | | | |
| 010-211 | | UNSPECIFIED MINOR CONSTRUCTION | | | LS | 9,897 | | | | | |
| 010-211 | | PLANNING AND DESIGN | | | LS | 58,047 | | | | | |
| 010-211 | | UNSPECIFIED MINOR CONSTRUCTION | | | LS | 9,949 | | | | | |
| 010-211 | | PLANNING AND DESIGN | | | LS | 59,593 | | | | | |
| 010-211 | | UNSPECIFIED MINOR CONSTRUCTION | | | LS | 9,997 | | | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | | 0 |
| b. Water pollution: | | | | | | | | | | | 0 |
| c. Occupational safety and health: | | | | | | | | | | | 0 |
| d. Other Environmental: | | | | | | | | | | | 0 |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | | 0 |

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|---|------------------|--|-------------------------|-----------|--------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE | |
| AIR FORCE | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| VARIOUS LOCATIONS | | | PLANNING AND DESIGN | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 9.12.11 | 010-211 | PAYZ000001 | AUTH: | 28,004 | |
| | | | APPROP: | 28,004 | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| PLANNING AND DESIGN | | LS | | | 28,004 |
| SUBTOTAL | | | | | 28,004 |
| TOTAL CONTRACT COST | | | | | 28,004 |
| TOTAL REQUEST | | | | | 28,004 |
| TOTAL REQUEST (ROUNDED) | | | | | 28,004 |
| 10. Description of Proposed Construction: The funds requested will be used to provide financing for architectural and engineering services and construction design for Air Force Military Construction and host nation funded construction programs. | | | | | |
| 11. REQUIREMENT: As required. REQUIREMENT: These planning and design funds are required to complete the design of facilities in the FY01 Military Construction Program, initiate design of facilities in the FY02 Military Construction Program and accomplish planning and design for major and complex technical projects with a long lead-time to be included in subsequent Military Construction Programs. Also provides funds for value engineering and for the support of design and construction management of projects that are funded by foreign governments and for design of classified and special programs. | | | | | |

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|--|---|-----------|-----|------------|----------|-----|-----|-----------------------------|---------|---------------|-------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | 2. DATE | | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | 4. COMMAND | | | | 5. AREA CONST COST INDEX | | | |
| VARIOUS LOCATIONS | | | | | | | | 0.00 | | | |
| 6. PERSONNEL STRENGTH | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 98 | | | | | | | | | | | |
| b. End FY 2005 | | | | | | | | | | | |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (0) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) | | | | | | | | | | 0 | |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | 0 | |
| d. Authorization Requested In This Program: | | | | | | | | | | 36,745 | |
| e. Authorization Included In Following Program: (FY 2001) | | | | | | | | | | 56,715 | |
| f. Planned In Next Four Program Years: | | | | | | | | | | 251,777 | |
| g. Remaining Deficiency: | | | | | | | | | | 0 | |
| h. Grand Total: | | | | | | | | | | 345,237 | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | | | | | | | COST | | DESIGN STATUS | |
| <u>CODE</u> | <u>PROJECT TITLE</u> | | | | | | | <u>(\$000)</u> | | <u>START</u> | <u>CMPL</u> |
| 010-211 | PLANNING AND DESIGN | | | | | | | LS 28,004 | | | |
| 010-211 | UNSPECIFIED MINOR CONSTRUCTION | | | | | | | LS 8,741 | | | |
| | | | | | | | | TOTAL: | | 36,745 | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | |
| 010-211 | PLANNING AND DESIGN | | | | | | | LS 47,224 | | | |
| 010-211 | UNSPECIFIED MINOR CONSTRUCTION | | | | | | | LS 9,491 | | | |
| | | | | | | | | TOTAL: | | 56,715 | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 010-211 | PLANNING AND DESIGN | | | | | | | LS 43,971 | | | |
| 010-211 | UNSPECIFIED MINOR CONSTRUCTION | | | | | | | LS 9,845 | | | |
| 010-211 | PLANNING AND DESIGN | | | | | | | LS 50,478 | | | |
| 010-211 | UNSPECIFIED MINOR CONSTRUCTION | | | | | | | LS 9,897 | | | |
| 010-211 | PLANNING AND DESIGN | | | | | | | LS 58,047 | | | |
| 010-211 | UNSPECIFIED MINOR CONSTRUCTION | | | | | | | LS 9,949 | | | |
| 010-211 | PLANNING AND DESIGN | | | | | | | LS 59,593 | | | |
| 010-211 | UNSPECIFIED MINOR CONSTRUCTION | | | | | | | LS 9,997 | | | |
| 11. Outstanding pollution and safety (OSHA) deficiencies: | | | | | | | | | | | |
| a. Air pollution: | | | | | | | | | | 0 | |
| b. Water pollution: | | | | | | | | | | 0 | |
| c. Occupational safety and health: | | | | | | | | | | 0 | |
| d. Other Environmental: | | | | | | | | | | 0 | |
| 12. Real Property Maintenance Backlog This Installation | | | | | | | | | | 0 | |

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|--|--|---|---|-----------|--------------|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE | |
| 3. INSTALLATION AND LOCATION VARIOUS LOCATIONS | | 4. PROJECT TITLE UNSPECIFIED MINOR CONSTRUCTION | | | |
| 5. PROGRAM ELEMENT 9.12.11 | 6. CATEGORY CODE 010-211 | 7. PROJECT NUMBER PAYZ000001A | 8. PROJECT COST (\$000) AUTH: 8,741 APPROP: 8,741 | | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| UNSPECIFIED MINOR CONSTRUCTION | | LS | | | 8,741 |
| SUBTOTAL | | | | | 8,741 |
| TOTAL CONTRACT COST | | | | | 8,741 |
| TOTAL REQUEST | | | | | 8,741 |
| TOTAL REQUEST (ROUNDED) | | | | | 8,741 |
| 10. Description of Proposed Construction: Provide a lump sum amount for unspecified construction projects not otherwise authorized by law. Minor construction projects costing less than these limits are authorized to be funded from the operations and maintenance appropriation. Includes construction, alteration, or conversion of permanent or temporary facilities. | | | | | |
| 11. REQUIREMENT: As required. REQUIREMENT: Minor construction projects authorized by 10 U. S. Code 2805 are military construction projects with an estimated funded cost between \$500,000 and \$1,500,000; however projects with an estimated funded cost of \$1,000,000 to \$3,000,000 may be funded under this authority when specifically planned to correct a life, health or safety deficiency. This package provides a means of accomplishing urgent projects that are not identified but which are anticipated to arise during FY00. Included would be projects to support new mission requirements, support of new equipment and concepts, and other essential support to Air Force missions and functions that could not wait until availability of FY01 Military Construction Program funds. | | | | | |

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| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | 2. DATE | |
| AIR FORCE | | (computer generated) | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| DAVIS-MONTHAN AIR FORCE BASE, ARIZONA | | | AIRCRAFT PROCESSING RAMP (WORKING CAPITAL FUND) | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 7.28.96 | 113-321 | FBNV980503 | AUTH: 7,800 APPROP: 1,847 | | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| AIRCRAFT PROCESSING RAMP (WORKING CAPITAL FUND) | | SM | 60,200 | 94 | 5,659 |
| SUPPORTING FACILITIES | | | | | 1,328 |
| ASPHALT PAVEMENT | | LS | | | (135) |
| TIE DOWNS/GROUND POINTS | | LS | | | (280) |
| UTILITIES | | LS | | | (310) |
| RAMP LIGHTING | | LS | | | (450) |
| ENVIRONMENTAL MITIGATION | | LS | | | (153) |
| SUBTOTAL | | | | | 6,987 |
| CONTINGENCY (5%) | | | | | 349 |
| TOTAL CONTRACT COST | | | | | 7,336 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 418 |
| TOTAL REQUEST | | | | | 7,754 |
| TOTAL REQUEST (ROUNDED) | | | | | 7,800 |

10. Description of Proposed Construction: Work includes the removal of 66,000 square meters of aluminum matting and construction of a new 14-1/2 inch concrete ramp. Includes all necessary base course, cut and fill as required, water/runoff control, replacement of underground utilities, removal of old ramp lighting and installation of new pole mounted lighting, and environmental mitigation.

11. REQUIREMENT: As required.
PROJECT: Aircraft processing ramp. (Current Mission)
REQUIREMENT: The aerospace maintenance and regeneration center (AMARC) needs a permanent ramp space to process all DoD aircraft for preservation and reactivation. This project will provide a permanent, impervious concrete ramp necessary to prepare aircraft for preservation, reactivation, and as a storage point for aircraft which are in a flyaway hold status.
CURRENT SITUATION: Currently the aircraft processing is accomplished on AM-2 aluminum matting salvaged from the Vietnam war in 1972. The matting was designed to provide a temporary aircraft operating surface until a permanent ramp could be constructed. This ramp is the primary receiving point for all aircraft arriving at AMARC. The original heat reflective non-skid surface has completely worn out. Therefore, water, oil, and fuel dripping from aircraft and vehicles have made the surface extremely slick creating a safety hazard for personnel. Erosion of the sand bed beneath the matting have also created an uneven surface making it extremely difficult to provide crane support for aircraft. In FY96, 512 aircraft were received. At any given time, there are fifty to sixty aircraft parked on the ramp. OSHA standards require F-16s to remain on concrete surface because of possible hydrazine leaks. During FY97, twenty-nine

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| AIR FORCE | 3. INSTALLATION AND LOCATION | |
| DAVIS-MONTHAN AIR FORCE BASE, ARIZONA | | |
| 4. PROJECT TITLE | 5. PROJECT NUMBER | |
| AIRCRAFT PROCESSING RAMP (WORKING CAPITAL FUND) | FENV980503 | |
| <p>F-16 were processed through AMARC and presently has twenty-four F-16 aircraft on flyaway hold status for foreign military sales.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The failed working surface of the AM-2 matting will continue to jeopardize the AMARC mission by delaying aircraft processing, present safety and environmental hazards, and cause damage to aircraft being processed.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in the Air Force Handbook 32-1084, "Facility Requirements." Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. The requirement for this project was validated by the Joint Service Depot Maintenance Industrial Military Construction Review on 13 May 1997. Base Civil Engineer: Lt Col Benjamin Anderson, (602) 750-3401. Aircraft Processing Ramp: 60,200SM = 647,752SF. This project is incrementally funded. However, full authorization is requested in the year of intial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA | | |
| 4. PROJECT TITLE AIRCRAFT PROCESSING RAMP (WORKING CAPITAL FUND) | 5. PROJECT NUMBER FBNV980503 | |
| 12. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Project to be accomplished by design-build procedures (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Design Allowance 390 (4) Construction Start 00 JAN (5) Construction Completion 01 MAR (6) Energy Study/Life-Cycle analysis was/will be performed Y b. Equipment associated with this project will be provided from other appropriations: N/A | | |

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|---|--|--|-------------------------------|-----------|--------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | | 2. DATE | |
| AIR FORCE | (computer generated) | | | | |
| 3. INSTALLATION AND LOCATION | | 4. PROJECT TITLE | | | |
| TINKER AIR FORCE BASE, OKLAHOMA | | ADAL AIR DRIVEN ACCESSORIES OVERHAUL AND TEST FAC (CWF) | | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 7.28.96 | 211-251 | WWYK943012 | AUTH: 17,000 APPROP: 4,001 | | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| ADAL AIR DRIVEN ACCESSORIES OVERHAUL AND TEST FAC (CWF) | | SM | 9,200 | | 10,800 |
| AIR DRIVEN SHOP | | SM | 6,500 | 1,000 | (6,500) |
| TEST CELLS/CHEMICAL STORAGE | | SM | 1,700 | 2,000 | (3,400) |
| ALTER/REPAIR COMPRESSOR ROOM | | SM | 1,000 | 900 | (900) |
| SUPPORTING FACILITIES | | | | | 4,399 |
| UTILITIES/SITE IMPROVEMENTS | | LS | | | (774) |
| PAVEMENTS/DRILLED PIER | | LS | | | (950) |
| HAZARDOUS MATERIAL ABATEMENT | | SM | 12,160 | 100 | (1,216) |
| DEMOLITION | | SM | 12,160 | 120 | (1,459) |
| SUBTOTAL | | | | | 15,199 |
| CONTINGENCY (5%) | | | | | 760 |
| TOTAL CONTRACT COST | | | | | 15,959 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 910 |
| TOTAL REQUEST | | | | | 16,869 |
| TOTAL REQUEST (ROUNDED) | | | | | 17,000 |
| EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD) | | | | | (11,060) |
| 10. Description of Proposed Construction: Construct a steel frame and concrete block building, along with site work, utilities, foundation, fire protection, lighting, HVAC system, and pavements. Revitalize an existing compressor room (building No: 210) and connect to the new facility. Demolish an existing facility totaling 12,160 square meters. Air Conditioning: 600 KW. | | | | | |
| 11. REQUIREMENT: 9,200 SM ADEQUATE: 0 SUBSTANDARD: 12,160 SM PROJECT: Add/alter an air driven accessories overhaul and test facility. (Current Mission) REQUIREMENT: The Oklahoma City-Air Logistics Center (OC-ALC) maintains and tests aircraft air driven accessories for over 400 different components from all active Air Force weapons systems and is essential for worldwide mission readiness. The workload includes Air Force, Navy, and Foreign Military Services. OC-ALC has been identified as the sole source for government based testing of 160 air driven end item accessories requiring 300 psi air flow at temperatures up to 800 degrees F. A consolidated, state-of-the-art facility with computerized test equipment is required to ensure quality, reliable testing and overhaul of air driven accessories. The test cells within the facility simulate jet engine operational conditions for testing components such as cooling turbines, drives, valves, regulators, temperature sensors, heat exchangers and water pumps. CURRENT SITUATION: The existing 55-year-old facility is in extensive need of upgrade and repair. The facility has numerous structural deficiencies, the electrical and HVAC systems are worn and inadequate, abandoned piping and conduit hinders proper maintenance, and test cells are not properly | | | | | |

| | | |
|---|--|---------|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA | | |
| 4. PROJECT TITLE ADAL AIR DRIVEN ACCESSORIES OVERHAUL AND TEST FAC (CWF) | 5. PROJECT NUMBER WWYK943012 | |
| <p>configured. Numerous roof leaks throughout the facility result in lost production time due to the inability of operating wet equipment and cleanup. Pneumatic test cells have been continually modified over the years to accommodate the change from propeller driven to jet driven technology and are haphazardly configured. The pneumatic test cell area has asbestos pipe insulation throughout along with residual mercury contamination behind the console areas. This causes a potential exposure hazard to production and maintenance personnel. The facilities inability to control the shops ambient air quality results in reduced effectiveness with today's close tolerance components. Test cell instrumentation and controls are antiquated and present maintenance problems, safety hazards, and continuous manual adjustment. One of twenty-three test cells was modified in 1992 to provide computer controlled test capability. That project validated the control technology needed for the entire test facility. The valves and computer controls will be moved to the new facility.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Modernization of the technical equipment cannot proceed without this new facilities. Increase reliability and maintainability of end items will not be realized. Production delays will increase as the need for emergency repairs become more frequent. Increased utility efficiency will not be realized and personnel will continue to be exposed to mercury and asbestos hazards.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Air Force Handbook 32-1084, "Facility Requirements." Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. The requirement for this project was validated by the Joint Service Depot Maintenance Industrial Military Construction Review on 13 May 1997. Base Civil Engineer: Col Michael Cuddihee, (405) 734-3451. Air Driven Shop: 6,500SM = 69,940SF; Test Cells/Chemical Storage: 1,700SM = 18,292SF; Alter/Repair Compressor Storage: 1,000SM = 10,760SF. This project is incrementally funded. However, full authorization is requested in the year of intial appropriation. The AF plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount.</p> | | |

| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|-------------------------------------|----|---|-----|---------------------------|----------------------------|---|-----------------|-------------------------------|------|--------|-----|----------------------|------|--------|------|--------------------|------|--------|----|-------------------|------|--------|------|
| 3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. PROJECT TITLE ADAL AIR DRIVEN ACCESSORIES OVERHAUL AND TEST FAC (CWF) | 5. PROJECT NUMBER WWYK943012 | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by design-build procedures</p> <p>(2) Basis:</p> <table data-bbox="370 638 1403 697"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Design Allowance 850</p> <p>(4) Construction Start 99 DEC</p> <p>(5) Construction Completion 01 DEC</p> <p>(6) Energy Study/Life-Cycle analysis was/will be performed Y</p> <p>b. Equipment associated with this project will be provided from other appropriations:</p> <table data-bbox="204 1083 1403 1302"> <thead> <tr> <th>EQUIPMENT NOMENCLATURE</th> <th>PROCURING APPROPRIATION</th> <th>FISCAL YEAR APPROPRIATED OR REQUESTED</th> <th>COST (\$000)</th> </tr> </thead> <tbody> <tr> <td>WORKBENCHES & STORAGE BENCHES</td> <td>DMAG</td> <td>FY2000</td> <td>960</td> </tr> <tr> <td>PNUMATICS TEST CELLS</td> <td>DMAG</td> <td>FY2000</td> <td>8800</td> </tr> <tr> <td>BOTTLE REWORK AREA</td> <td>DMAG</td> <td>FY2000</td> <td>40</td> </tr> <tr> <td>PROCESS EQUIPMENT</td> <td>DMAG</td> <td>FY2000</td> <td>1260</td> </tr> </tbody> </table> | | | (a) Standard or Definitive Design - | NO | (b) Where Design Was Most Recently Used - | N/A | EQUIPMENT NOMENCLATURE | PROCURING APPROPRIATION | FISCAL YEAR APPROPRIATED OR REQUESTED | COST (\$000) | WORKBENCHES & STORAGE BENCHES | DMAG | FY2000 | 960 | PNUMATICS TEST CELLS | DMAG | FY2000 | 8800 | BOTTLE REWORK AREA | DMAG | FY2000 | 40 | PROCESS EQUIPMENT | DMAG | FY2000 | 1260 |
| (a) Standard or Definitive Design - | NO | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Where Design Was Most Recently Used - | N/A | | | | | | | | | | | | | | | | | | | | | | | | | |
| EQUIPMENT NOMENCLATURE | PROCURING APPROPRIATION | FISCAL YEAR APPROPRIATED OR REQUESTED | COST (\$000) | | | | | | | | | | | | | | | | | | | | | | | |
| WORKBENCHES & STORAGE BENCHES | DMAG | FY2000 | 960 | | | | | | | | | | | | | | | | | | | | | | | |
| PNUMATICS TEST CELLS | DMAG | FY2000 | 8800 | | | | | | | | | | | | | | | | | | | | | | | |
| BOTTLE REWORK AREA | DMAG | FY2000 | 40 | | | | | | | | | | | | | | | | | | | | | | | |
| PROCESS EQUIPMENT | DMAG | FY2000 | 1260 | | | | | | | | | | | | | | | | | | | | | | | |

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2000 BUDGET REQUEST

NARRATIVE SUMMARY

This Military Family Housing request supports the Congressional concern about housing facilities for all military members and their families and that continual improvement in quality is the measure of excellence. We continue to depend on the local community to meet our housing needs--the majority of Air Force families live off base. When local community housing is not adequate, we provide military family housing meeting contemporary community standards. This budget requests funds to construct, improve, operate and maintain our inventory at a level that protects these assets from deterioration, and maintains the quality standards established by Congressional guidance. Our goal is to provide quality homes that meet contemporary whole-house standards.

Family housing is one of the most important quality of life issues in the Air Force. Improving or replacing our aging housing inventory is our top facility priority. Our military members and their families expect and deserve homes which meet current standards of livability. In the era of downsized forces, we cannot risk losing highly-trained, experienced Air Force members due to poor housing. A small investment in family housing pays great dividends in retaining trained, responsible, ready Air Force members.

This budget provides a balanced program among construction, privatization, operations, maintenance, and lease funding. The construction funding request indicates the Air Force's commitment to replace or revitalize our inventory to meet contemporary community standards. We are concentrating on the homes in worst condition and improving or replacing where economically justifiable. We continue to propose projects that provide new support facilities at installations with the greatest need.

The operations, day-to-day maintenance and leasing accounts predominantly support "must pay" requirements. These costs include service contracts, lease contracts, utilities, and required maintenance needed to keep existing homes open and occupied. The maintenance account supports our goal to arrest, then eliminate, deferred maintenance and repair growth within fiscal constraints. Unfortunately, due to budget constraint we have not eliminated our deferred maintenance and repair backlog.

The Air Force is also committed to the development of private sector-funded housing revitalization where there is a minimum economic benefit of 3 to 1 leverage. Current Air Force funding levels are not high enough to support the required revitalization schedule on our old housing assets using only traditional MILCON.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2000 BUDGET REQUEST

Therefore, quality of life, retention, and ultimately readiness are directly impacted. Private sector investments will speed the revitalization of family housing, help reduce the deficit, and provide safe, comfortable housing for service members without government investment above current funding.

The business climate at some locations, however, will not support establishment of privatized housing areas. To develop specific location-driven information about business climates to provide the most reliable information to decisionmakers, the Air Force has initiated a Family Housing Master Plan, to be completed during the next several months. The Master Plan will define the most effective housing strategy and associated costs. It will integrate construction, operations and maintenance, and privatization efforts to build new, revitalize existing, continue to maintain, or privatize each asset to achieve optimal life cycle costs and meet the goal of a renewed inventory by 2010.

At Lackland AFB, a project has been executed to privatize 420 enlisted housing units on base. The developer will design, construct or revitalize, operate, and maintain homes which are leased to families housed in this development. Members who choose to live in housing in the privatized neighborhood will apply their entitlements to the lease of units from the developer. In this one instance, the Air Force will pay utility costs for the privatized units in addition to other services from the privatization contract. In all other privatization initiatives, the members' allowances are planned to cover rent and utilities.

The Air Force is striving to execute a project to privatize 670 units on a geographically separated off-base site at Robins AFB in 1999, followed by ten other installations. This is a true test of the housing privatization initiatives during its five year test ending in Fiscal Year 2001.

While austere, we believe this funding profile represents a well balanced, fiscally constrained program that strives to achieve quality of life goals for military families within the budget imposed. We respectfully request full support for the Air Force family housing needs presented herein.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2000 BUDGET REQUEST

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MILITARY FAMILY HOUSING
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FY 2000 FINANCIAL SUMMARY

AUTHORIZATION FOR APPROPRIATION REQUESTED FOR FY 2000:

| | AUTH (\$000) | APPR (\$000) |
|---|-----------------|-----------------|
| <u>FUNDING PROGRAM FY 2000</u> | | |
| Construction | 186,248 | 49,385 |
| Post-Acquisition Construction | 124,452 | 34,152 |
| Advance Planning and Design | <u>17,093</u> | 17,093 |
| Supervision, Inspection & Overhead | | <u>1,161</u> |
| <u>Construction Total</u> | 327,793 | 101,791 |
| Operations, Utilities and Maintenance | | 703,350 |
| Operating Expenses | 127,500 | |
| Utilities | 160,117 | |
| Maintenance | 415,733 | |
| Leasing - Worldwide | | 118,509 |
| Debt Payment | | 33 |
| Premiums for Servicemen's Mortgage Insurance Coverage | | |
| <u>Appropriation Request: O&M Leasing, and Debt Payment</u> | | <u>821,892</u> |
| <u>Appropriation Request</u> | | <u>923,683</u> |
| Reimbursement Program | | <u>10,648</u> |
| FY 2000 FAMILY HOUSING PROGRAM | | <u>934,331</u> |

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2000 BUDGET REQUEST

FY 2000 Authorization Language

SEC. 2302. FAMILY HOUSING

(a) CONSTRUCTION AND ACQUISITION. - Using amounts appropriated pursuant to the authorization of appropriations in section 2304(a)(5)(A)), the Secretary of the Air Force may construct or acquire family housing units (including land acquisition) at the installations, for the purposes, and in the amounts set forth in the following table:

| <u>STATE</u> | <u>INSTALLATION</u> | <u>PURPOSE</u> | <u>AMOUNT</u> |
|----------------------|---------------------|----------------|---------------|
| Arizona | Davis Monthan AFB | 64 Units | \$10,000,000 |
| California | Beale AFB | 60 Units | \$ 8,500,000 |
| | Edwards AFB | 98 Units | \$16,270,000 |
| | Edwards AFB | 90 Units | \$16,520,000 |
| | Vandenberg AFB | 91 Units | \$16,800,000 |
| District of Columbia | Bolling AFB | 72 Units | \$ 9,375,000 |
| Florida | Eglin AFB | 130 Units | \$14,080,000 |
| | MacDill AFB | 54 Units | \$ 9,034,000 |
| Mississippi | Columbus AFB | 100 Units | \$12,290,000 |
| Montana | Malmstrom AFB | 34 Units | \$ 7,570,000 |
| Nebraska | Offutt AFB | 72 Units | \$12,352,000 |
| North Carolina | Seymour Johnson | 78 Units | \$12,187,000 |
| North Dakota | Grand Forks AFB | 42 Units | 10,050,000 |
| | Minot AFB | 72 Units | 10,756,000 |
| Texas | Lackland AFB | 48 Units | \$ 7,500,000 |
| Azores | Lajes AB | 75 Units | \$12,964,000 |
| | | TOTAL | \$186,248,000 |

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MILITARY FAMILY HOUSING
FISCAL YEAR 2000 BUDGET REQUEST

(b) PLANNING AND DESIGN. - Using amounts appropriated pursuant to the authorization of appropriations in section 2304(a)(5)(A), the Secretary of the Air Force may carry out architectural and engineering services and construction design activities with respect to the construction or improvement of military family housing units in an amount not to exceed \$17,093,000.

SEC. 2303. IMPROVEMENT TO MILITARY FAMILY HOUSING UNITS

Subject to section 2825 of Title 10, United States Code, and using amounts appropriated pursuant to the authorization of appropriations in section 2304(a)(5)(A), the Secretary of the Air Force may improve existing military family housing units in an amount not to exceed \$124,452,000.

SEC. 2304. AUTHORIZATION OF APPROPRIATIONS, AIR FORCE

(a) IN GENERAL

(5) for Military Family Housing functions -

(A) For construction and acquisition, planning and design, and improvement of military family housing and facilities, \$101,791,000.

(B) For support of military family housing (including functions described in section 2833 of Title 10, United States Code), \$821,892,000.

FY 2000 Appropriation Language

For expenses of family housing for the Air Force for construction, including acquisition, replacement, addition, expansion, extension and alteration and for operations and maintenance, including debt payment, leasing, minor construction, and insurance premiums, as authorized by law as follows: for [FY99] FY00 Construction, [\$298,665,000] \$101,791,000, for Operation and Maintenance, and Debt Payment [\$787,737,000] \$821,892,000; in all [\$1,086,402,000] \$923,683,000. In addition, for completion of Construction projects begun in fiscal year 2000, \$215,222,000 to become

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2000 BUDGET REQUEST

available on October 1, 2000 and to remain available until September 30, 2005.

Further, for the foregoing purpose, \$1,062,806,000, to become available on October 1, 2000, of which \$224,227,000 for Construction, to remain available until September 30, 2005; and \$838,579,000, for Operation and Maintenance, and debt payment. (10 U.S.C. 2824, 2827-2831, 2852-54, 2857; Military Construction Appropriations Act, 1999.)

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
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FY 2000 NEW/CURRENT MISSION ACTIVITIES

In compliance with the Senate Appropriations Committee Report (100-380) on the FY 1989 Military Construction Appropriation Act, the Air Force has included the following exhibit that displays construction projects in the current mission category. "Current Mission" projects are projects that either replace inadequate existing facilities or construct new facilities which are not available to meet current requirements.

| <u>AUTHORIZATION</u> <u>Type/Locations</u> | <u>Mission</u> | <u>Number</u> <u>of</u> <u>Units</u> | <u>AUTH</u> <u>REQ</u> <u>(\$000)</u> | <u>APPR</u> <u>REQ</u> <u>(\$000)</u> |
|---|----------------|--|---|---|
| <u>Replacement Housing</u> | | | | |
| Davis Monthan AFB AZ | Current | 64 | 10,000 | 2,707 |
| Beale AFB CA | Current | 60 | 8,500 | 2,301 |
| Edwards AFB CA | Current | 98 | 16,270 | 4,404 |
| Edwards AFB CA | Current | 90 | 16,520 | 4,472 |
| Vandenberg AFB CA | Current | 91 | 16,800 | 4,548 |
| Bolling AFB DC | Current | 72 | 9,375 | 2,537 |
| Eglin AFB FL | Current | 130 | 14,080 | 3,812 |
| MacDill AFB FL | Current | 54 | 9,034 | 2,446 |
| Columbus AFB MS | Current | 100 | 12,290 | 3,327 |
| Malmstrom AFB MT | Current | 34 | 7,570 | 2,050 |
| Offutt AFB NE | Current | 72 | 12,352 | 3,343 |
| Seymour Johnson AFB NC | Current | 78 | 12,187 | 3,300 |
| Grand Forks AFB ND | Current | 42 | 10,050 | 2,720 |
| Minot AFB ND | Current | 72 | 10,756 | 2,912 |
| Lackland AFB TX | Current | 48 | 7,500 | 2,030 |
| Lajes AZORES | Current | 75 | 12,964 | 3,509 |
| CURRENT MISSION TOTAL | | | 186,248 | 50,418 |
| FINANCING ENTRY | | | | (1,033) |
| IMPROVEMENTS | | | 124,452 | 34,280 |
| FINANCING ENTRY | | | | (128) |
| PLANNING AND DESIGN | | | <u>17,093</u> | 17,093 |
| SUPERVISION, INSPECTION & OVERHEAD | | | | <u>1,161</u> |
| GRAND TOTAL | | | 327,793 | 101,791 |

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 1999 BUDGET REQUEST

FY 2000 NEW CONSTRUCTION

Program (In Thousands)
FY 2000 Program \$ 50,418
FY 1999 Program \$183,215

Purpose and Scope

This program provides for the construction of new homes where the local community cannot provide adequate housing and replacement of existing homes, where improvements for Air Force personnel are not economically feasible, and support facilities where existing facilities are inadequate. Costs reflect all amounts necessary to provide complete and usable facilities.

Program Summary

Authorization is requested for replacement of 1,180 units. A summary of the funding program is as follows:

| <u>AUTHORIZATION</u> | <u>Mission</u> | <u>Number</u> <u>of</u> <u>Units</u> | <u>AUTH</u> <u>REQ</u> <u>(\$000)</u> | <u>APPR</u> <u>REQ</u> <u>(\$000)</u> |
|----------------------------|----------------|--|---|---|
| <u>Type/Locations</u> | | | | |
| <u>Replacement Housing</u> | | | | |
| Davis Monthan AFB AZ | Current | 64 | 10,000 | 2,707 |
| Beale AFB CA | Current | 60 | 8,500 | 2,301 |
| Edwards AFB CA | Current | 98 | 16,270 | 4,404 |
| Edwards AFB CA | Current | 90 | 16,520 | 4,472 |
| Vandenberg AFB CA | Current | 91 | 16,800 | 4,548 |
| Bolling AFB DC | Current | 72 | 9,375 | 2,537 |
| Eglin AFB FL | Current | 130 | 14,080 | 3,812 |
| MacDill AFB FL | Current | 54 | 9,034 | 2,446 |
| Columbus AFB MS | Current | 100 | 12,290 | 3,327 |
| Malmstrom AFB MT | Current | 34 | 7,570 | 2,050 |
| Offutt AFB NE | Current | 72 | 12,352 | 3,343 |
| Seymour Johnson AFB NC | Current | 78 | 12,187 | 3,300 |
| Grand Forks AFB ND | Current | 42 | 10,050 | 2,720 |
| Minot AFB ND | Current | 72 | 10,756 | 2,912 |
| Lackland AFB TX | Current | 48 | 7,500 | 2,030 |
| Lajes AZORES | Current | 75 | 12,964 | 3,509 |
| | | | | |
| CURRENT MISSION TOTAL | | | 186,248 | 50,418 |
| | | | | |
| FINANCING ENTRY | | | | (1,033) |
| | | | | |
| IMPROVEMENTS | | | 124,452 | 34,280 |

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 1999 BUDGET REQUEST

| | | |
|------------------------------------|---------------|--------------|
| FINANCING ENTRY | | (128) |
| PLANNING AND DESIGN | <u>17,093</u> | 17,093 |
| SUPERVISION, INSPECTION & OVERHEAD | | <u>1,161</u> |
| GRAND TOTAL | 327,793 | 101,791 |

| | | | | | | | | | | | |
|--|---|--|------|------|----------|--------------------|-----|---------------------|--------------------------|----------------------|-------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | 2. DATE | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | | 4. COMMAND | | | 5. AREA CONST COST INDEX | | |
| DAVIS-MONTHAN AIR FORCE BASE, ARIZONA | | | | | | AIR COMBAT COMMAND | | | 0.93 | | |
| 6. PERSONNEL STRENGTH | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 98 | | 821 | 4859 | 1324 | | | | 61 | 165 | 307 | 7,537 |
| b. End FY 7005 | | 812 | 4843 | 1297 | | | | 61 | 165 | 307 | 7,485 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (10,633) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) 304,607 | | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: 0 | | | | | | | | | | | |
| d. Authorization Requested In This Program: 10,000 | | | | | | | | | | | |
| e. Authorization Included In Following Program: (FY 2001) 13,265 | | | | | | | | | | | |
| f. Planned In Next Four Program Years: 10,900 | | | | | | | | | | | |
| g. Remaining Deficiency: 0 | | | | | | | | | | | |
| h. Grand Total: 338,772 | | | | | | | | | | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | | | | | | | | | | |
| <u>CODE</u> | | <u>PROJECT TITLE</u> | | | | <u>SCOPE</u> | | <u>COST (\$000)</u> | | <u>DESIGN STATUS</u> | |
| | | | | | | | | | | | |
| 711-142 | | REPLACE MILITARY FAMILY HOUSING (PH 4) | | | | 64 UN | | 10,000 | | OCT 98 MAY 99 | |
| | | | | | | | | TOTAL: | | 10,000 | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | |
| 711-142 | | REPLACE MILITARY FAMILY HOUSING (PH 5) | | | | 90 UN | | 13,265 | | | |
| | | | | | | | | TOTAL: | | 13,265 | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 711-142 | | REPLACE MILITARY FAMILY HOUSING (PH 6) | | | | 70 UN | | 10,900 | | | |
| 9c. Real Property Maintenance Backlog This Installation 5,640 | | | | | | | | | | | |
| 10. Mission or Major Functions: Headquarters 12th Air Force; a wing with two fighter training squadrons responsible for training all A/0A-10 aircrews; one A/0A-10 fighter squadron, two EC-130 electronic combat squadrons, and one EC-130 airborne command and control squadron; an Air Force Reserve HH-60 rescue squadron; an Air National Guard air defense flex site(F-16 aircraft); and Air Force Materiel Command's Aerospace Maintenance and Regeneration Squadron. | | | | | | | | | | | |

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|--|------------------|--|--|-----------|--------------|------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE | | |
| AIR FORCE | | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | | |
| DAVIS-MONTHAN AIR FORCE BASE, ARIZONA | | | REPLACE MILITARY FAMILY HOUSING (PH 4) | | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | | |
| 8.87.41 | 711-142 | FBNV010002A | Auth: | 10,000 | | |
| | | | Appr: | 2,707 | | |
| 9. COST ESTIMATES | | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) | |
| REPLACE MILITARY FAMILY HOUSING | | UN | 64 | 86,416 | 5,531 | |
| SUPPORTING FACILITIES | | | | | 3,480 | |
| NEIGHBORHOOD IMPROVEMENTS | | LS | | | (750) | |
| ROADS AND PAVING | | LS | | | (425) | |
| GARAGES, STORAGE & CIRCULATION SPACE | | LS | | | (890) | |
| UTILITIES | | LS | | | (541) | |
| LANDSCAPING | | LS | | | (200) | |
| DEMOLITION & ENVIRONMENTAL (ASB/LBP) | | LS | | | (674) | |
| SUBTOTAL | | | | | 9,011 | |
| CONTINGENCY (5%) | | | | | 451 | |
| TOTAL CONTRACT COST | | | | | 9,462 | |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 539 | |
| TOTAL REQUEST | | | | | 10,000 | |
| AREA COST FACTOR | | | .93 | | | |
| 10. Description of Proposed Construction: Replace 64 housing units. Includes demolition, site clearing, replacement/upgrade of utility systems and roads, and design/construction of duplex housing units. Provides normal amenities, to include appliances, parking, air conditioning, garages, patios, privacy fencing, playgrounds and recreation areas. Includes asbestos and lead based paint removal and energy considerations | | | | | | |
| | UNIT TYPE | NET AREA | PROJECT FACTOR | \$/NSM | NO. UNITS | TOTAL COST |
| | JNCO 3BR | 111 | .92 | 808 | 40 | 3,300,518 |
| | JNCO 4BR | 125 | .92 | 808 | 24 | 2,230,080 |
| | | | | | 64 | 5,530,598 |
| 11. REQUIREMENT: 4,010 UN ADEQUATE: 2,718 UN SUBSTANDARD: 1,022 UN PROJECT: Replace Military Family Housing (Phase 5). (Current Mission) REQUIREMENT: This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. This project is required to provide modern and efficient replacement housing for military members and their dependents stationed at Davis-Monthan AFB. All units will meet "whole house" standards and are programmed in accordance with Phase 5 of the Housing Community Plan. This is the fifth of multiple phases to provide adequate housing for base personnel. The basic neighborhood support infrastructure will be upgraded to meet modern housing needs. CURRENT SITUATION: This project replaces appropriated housing units | | | | | | |

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|---|--|---------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION | | |
| DAVIS-MONTHAN AIR FORCE BASE, ARIZONA | | |
| 4. PROJECT TITLE | 5. PROJECT NUMBER | |
| REPLACE MILITARY FAMILY HOUSING (PH 4) | FBNV010002A | |
| <p>constructed in 1972. These houses are showing the effects of age and continuous heavy use. While these are among the newest units on base, they are in the worst condition. They have had no major upgrades since construction, do not meet the needs of today's families, and do not provide a modern home environment. Roofs, walls, foundations, and exterior pavements require major repair or replacement. Pavements are showing signs of failure due to settlement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Housing is undersized and inadequate based on wholehouse criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Kitchens have inadequate storage and counter space, cabinets are old and unsightly, and countertops and sinks are badly worn. Laundry facilities are in the kitchen or front door entry way. Flooring throughout the house is outdated, and contains evidence of asbestos. Utility systems are outdated and require abnormal maintenance and repair. Electrical circuits do not meet National Electric Code requirements. There are no ground fault interrupt circuits in the bathrooms or kitchens. Lighting systems throughout the houses are inefficient and do not meet modern needs. Exterior storage is inadequate. There are no patios for outside living or entertaining.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Air Force members and their families will continue to live in unsatisfactory housing. The housing will continue to deteriorate with age, resulting in unacceptable maintenance and repair costs, and inconvenience to the occupants. Piecemeal repairs will continue to be accomplished with little or no substantive improvement in occupant quality of life. These deficiencies will continue to adversely affect the morale of all personnel assigned to the base resulting in reduced mission effectiveness.</p> <p><u>ADDITIONAL:</u> This project meet the criteria/scope identified in Part II of Military Handbook 1190, "Facility Planning Design Guide." The supervision, inspection, and overhead is 5.7% due to having the Army Corps of Engineers as the design/construction agent. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. Base Civil Engineer: Lt Col Marshall Lounsberry (520)228-3401.</p> | | |

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|---|--|---------|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION DAVIS-MONTHAN AIR FORCE BASE, ARIZONA | | |
| 4. PROJECT TITLE REPLACE MILITARY FAMILY HOUSING (PH 4) | 5. PROJECT NUMBER FBNV010002A | |
| 12. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started 98 OCT 10 (b) Parametric Cost Estimates used to develop costs N (c) Percent Complete as of Jan 1999 35% (d) Date 35% Designed. 98 DEC 18 (e) Date Design Complete 99 MAY 28 (f) Energy Study/Life-Cycle analysis was/will be performed (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) (a) Production of Plans and Specifications 200 (b) All Other Design Costs 100 (c) Total 300 (d) Contract 300 (e) In-house (4) Construction Start 00 MAY (5) Construction Completion 00 b. Equipment associated with this project will be provided from other appropriations: N/A | | |

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|--|--|---|--------------|------------------------|--------------|---|---------------|----------------|--------------|
| MILITARY FAMILY HOUSING JUSTIFICATION | | 1 DATE OF REPORT Nov-98 | | 2. FISCAL YEAR 2000 | | REPORT CONTROL SYMBOL DD-A&L(AR)1716 | | | |
| 3 DOD COMPONENT AIR FORCE | | 4. REPORTING INSTALLATION | | | | | | | |
| 5 DATA AS OF Jan-97 | | a. NAME Davis Monthan Air Force Base | | b. LOCATION Arizona | | | | | |
| ANALYSIS OF REQUIREMENTS AND ASSETS | | CURRENT | | | | PROJECTED | | | |
| | | OFFICER (a) | E9-E4 (b) | E3 - E1 (c) | TOTAL (d) | OFFICER (e) | E9 -E4 (f) | E3 - E1 (g) | TOTAL (h) |
| 6. TOTAL PERSONNEL STRENGTH | | 1,096 | 4,256 | 1,114 | 6,466 | 1,089 | 4,165 | 1,105 | 6,359 |
| 7. PERMANENT PARTY PERSONNEL | | 1,096 | 4,256 | 1,114 | 6,466 | 1,089 | 4,165 | 1,105 | 6,359 |
| 8 GROSS FAMILY HOUSING REQUIREMENTS | | 800 | 2,956 | 325 | 4,081 | 795 | 2,893 | 322 | 4,010 |
| 9 TOTAL UNACCEPTABLY HOUSED (a + b + c) | | 0 | 64 | 0 | 64 | | | | |
| a INVOLUNTARILY SEPARATED | | 0 | 0 | 0 | 0 | | | | |
| b IN MILITARY HOUSING TO BE DISPOSED/REPLACED | | 0 | 64 | 0 | 64 | | | | |
| c UNACCEPTABLE HOUSED IN COMMUNITY | | 0 | 0 | 0 | 0 | | | | |
| 10 VOLUNTARY SEPARATIONS | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 EFFECTIVE HOUSING REQUIREMENTS | | 800 | 2,956 | 325 | 4,081 | 795 | 2,893 | 322 | 4,010 |
| 12 HOUSING ASSETS (a + b) | | 992 | 3,273 | 495 | 4,760 | 776 | 2,656 | 243 | 3,675 |
| a UNDER MILITARY CONTROL | | 133 | 1,042 | 0 | 1,175 | 133 | 1,058 | 0 | 1,191 |
| (1) HOUSED IN EXISTING DOD OWNED/CONTROLLED | | 133 | 1,042 | 0 | 1,175 | 133 | 1,058 | 0 | 1,191 |
| (2) UNDER CONTRACT/APPROVED | | | | | | 0 | 0 | 0 | 0 |
| (3) VACANT | | 0 | 0 | 0 | 0 | | | | |
| (4) INACTIVE | | 0 | 0 | 0 | 0 | | | | |
| b PRIVATE HOUSING | | 859 | 2,231 | 495 | 3,585 | 643 | 1,598 | 243 | 2,484 |
| (1) ACCEPTABLY HOUSED | | 667 | 1,850 | 325 | 2,842 | | | | |
| (2) ACCEPTABLE VACANT RENTAL | | 0 | 0 | 0 | 0 | | | | |
| 13 EFFECTIVE HOUSING DEFICIT | | (192) | (317) | (170) | (679) | 19 | 237 | 79 | 335 |
| 14 PROPOSED PROJECT | | | | | | 0 | 64 | 0 | 64 |
| 15 REMARKS | | | | | | | | | |

| | | | | | | | | | | | |
|--|---|-----------|------|-----|----------|--------------------|--------|---------------|--------------------------|---------|-------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM | | | | | | | | | 2. DATE | |
| AIR FORCE | (computer generated) | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | | 4. COMMAND | | | 5. AREA CONST COST INDEX | | |
| BEALE AIR FORCE BASE, CALIFORNIA | | | | | | AIR COMBAT COMMAND | | | 1.23 | | |
| 6. PERSONNEL STRENGTH | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 98 | | 326 | 2791 | 599 | | | | 12 | 86 | 74 | 3,888 |
| b. End FY 2005 | | 321 | 2797 | 595 | | | | 12 | 86 | 74 | 3,885 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (22,944) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) 194,656 | | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: 0 | | | | | | | | | | | |
| d. Authorization Requested In This Program: 8,500 | | | | | | | | | | | |
| e. Authorization Included In Following Program: (FY 2001) 0 | | | | | | | | | | | |
| f. Planned In Next Four Program Years: 35,300 | | | | | | | | | | | |
| g. Remaining Deficiency: 0 | | | | | | | | | | | |
| h. Grand Total: 238,456 | | | | | | | | | | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | | | | | COST | | DESIGN STATUS | | | |
| CODE | PROJECT TITLE | SCOPE | | | | (\$000) | START | CMLP | | | |
| 711-142 | REPLACE MILITARY FAMILY HOUSING (PH 3) | 60 UN | | | | 8,500 | OCT 98 | MAY 99 | | | |
| TOTAL: | | | | | | 8,500 | | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) NONE | | | | | | | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 711-142 | REPLACE MILITARY FAMILY HOUSING (PH 4) | 70 UN | | | | 10,000 | | | | | |
| 711-142 | REPLACE MILITARY FAMILY HOUSING (PH 5) | 83 UN | | | | 12,100 | | | | | |
| 711-142 | REPLACE MILITARY FAMILY HOUSING (PHASE 6) | 85 UN | | | | 13,200 | | | | | |
| 9c. Real Property Maintenance Backlog This Installation | | | | | | | | | | 28,550 | |
| 10. Mission or Major Functions: A reconnaissance wing which includes two U-2 reconnaissance squadrons, one of which is responsible for training all U-2 aircrews; a Contingency Airborne Reconnaissance System (CARS); an Air Force Space Command missile warning squadron which operates one of the Phased Array Warning System (PAVE PAWS) radars; and an Air Force Reserve wing with KC-135 aircraft. | | | | | | | | | | | |

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|---|------------------|--|--|-----------|--------------|------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE | |
| AIR FORCE | | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | | |
| BEALE AIR FORCE BASE, CALIFORNIA | | | REPLACE MILITARY FAMILY HOUSING (PH 3) | | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | | |
| 8.87.41 | 711-142 | BAEY021001 | Auth: | 8,500 | | |
| | | | Appr: | 2,301 | | |
| 9. COST ESTIMATES | | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) | |
| REPLACE MILITARY FAMILY HOUSING | | UN | 60 | 88,880 | 5,333 | |
| SUPPORTING FACILITIES | | | | | 2,326 | |
| NEIGHBORHOOD IMPROVEMENTS | | LS | | | (720) | |
| PAVEMENTS | | LS | | | (310) | |
| UTILITY SERVICE LATERALS | | LS | | | (212) | |
| LANDSCAPING | | LS | | | (134) | |
| GARAGES/STORAGE/CIRCULATION SPACE | | LS | | | (600) | |
| DEMOLITION & ENVIRONMENTAL | | LS | | | (350) | |
| SUBTOTAL | | | | | 7,659 | |
| CONTINGENCY (5%) | | | | | 383 | |
| TOTAL CONTRACT COST | | | | | 8,042 | |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 458 | |
| TOTAL REQUEST | | | | | 8,500 | |
| AREA COST FACTOR | | 1.23 | | | | |
| 10. Description of Proposed Construction: Replace 60 family housing units. Includes site clearing, utility systems, roads, and construction of new duplex housing units. Provides standard amenities, to include appliances, parking, air conditioning, garages, patios, and a neighborhood playground and recreation area. | | | | | | |
| | UNIT TYPE | NET AREA | PROJECT FACTOR | \$/NSM | NO. UNITS | TOTAL COST |
| | JNCO 2BR | 88 | 1.25 | 808 | 60 | 5,332,800 |
| | | | | | 60 | 5,332,800 |
| 11. REQUIREMENT: 2,309 UN ADEQUATE: 953 UN SUBSTANDARD: 791 UN PROJECT: Replace Military Family Housing (Ph 3). (Current Mission) REQUIREMENT: This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. This project is required to provide modern and efficient replacement housing for military members and their dependents stationed at Beale AFB. New units will meet "whole house" standards, and are programmed in accordance with Phase B of the Housing Community Plan. This is the third of multiple phases to provide adequate housing for base personnel. The basic neighborhood support infrastructure will be provided to meet modern housing needs. CURRENT SITUATION: This project replaces 60 multiplex housing units which are over 30 years old and are showing the affects of age and continuous heavy use. They have had no major upgrades since construction, and do not | | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION BEALE AIR FORCE BASE, CALIFORNIA | | |
| 4. PROJECT TITLE REPLACE MILITARY FAMILY HOUSING (PH 3) | 5. PROJECT NUMBER BAEY021001 | |
| <p>meet the needs of today's families, nor do they provide a modern home environment. The units share common interior walls which lack adequate soundproofing. Units are up to 45 SM undersized. The washing machine and dryers occupy space in the kitchen. Lack of parking in close proximity to the unit and high density of the housing creates poor living conditions. Housing interiors are inadequate by today's standards, including poor drainage, undersized kitchens with insufficient cabinets, and an overall shortage of storage space. Bedrooms are small and lack adequate closet space. Electrical systems are outdated and do not comply with current codes, including use of aluminum wiring and lack of grounding wire, and lack of ground fault interrupter circuit on exterior, bath and kitchen circuits.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Air Force members and their families will continue to live in deteriorated, substandard housing. Without this and subsequent phases of this initiative, repairs of these units will continue out of necessity, in a costly, piecemeal fashion, with no quality improvement in living conditions.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope identified in Part II of Military Handbook 1190, "Facility Planning Design Guide." The supervision, inspection, and overhead is 5.7% due to having the Army Corps of Engineers as the design/construction agent. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. Base Civil Engineer: Lt Col Kevin E. Rumsey (530) 634-5213</p> | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION BEALE AIR FORCE BASE, CALIFORNIA | | |
| 4. PROJECT TITLE REPLACE MILITARY FAMILY HOUSING (PH 3) | 5. PROJECT NUMBER BAEY021001 | |
| 12. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started 98 OCT 10 (b) Parametric Cost Estimates used to develop costs N (c) Percent Complete as of Jan 1999 35% (d) Date 35% Designed. 98 DEC 18 (e) Date Design Complete 99 MAY 28 (f) Energy Study/Life-Cycle analysis was/will be performed (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) (a) Production of Plans and Specifications 170 (b) All Other Design Costs 85 (c) Total 255 (d) Contract 255 (e) In-house (4) Construction Start 00 MAY (5) Construction Completion 00 b. Equipment associated with this project will be provided from other appropriations: N/A | | |

| MILITARY FAMILY HOUSING JUSTIFICATION | | 1. DATE OF REPORT Nov-98 | | 2 FISCAL YEAR 2000 | | REPORT CONTROL SYMBOL DD-A&L(AR)1716 | | |
|--|--------------------------------|-----------------------------|----------------|--------------------------|----------------|---|----------------|--------------|
| 3. DOD COMPONENT AIR FORCE | 4. REPORTING INSTALLATION | | | | | | | |
| 5 DATA AS OF Oct-96 | a NAME Beale Air Force Base | | | b LOCATION California | | | | |
| ANALYSIS OF REQUIREMENTS AND ASSETS | CURRENT | | | | PROJECTED | | | |
| | OFFICER (a) | E9-E4 (b) | E3 - E1 (c) | TOTAL (d) | OFFICER (e) | E9 -E4 (f) | E3 - E1 (g) | TOTAL (h) |
| 6. TOTAL PERSONNEL STRENGTH | 406 | 2,109 | 687 | 3,202 | 411 | 2,421 | 718 | 3,550 |
| 7 PERMANENT PARTY PERSONNEL | 406 | 2,106 | 687 | 3,199 | 411 | 2,421 | 718 | 3,550 |
| 8 GROSS FAMILY HOUSING REQUIREMENTS | 285 | 1,573 | 205 | 2,063 | 292 | 1,801 | 216 | 2,309 |
| 9 TOTAL UNACCEPTABLY HOUSED (a + b + c) | 0 | 60 | 0 | 60 | | | | |
| a INVOLUNTARILY SEPARATED | 0 | 0 | 0 | 0 | | | | |
| b IN MILITARY HOUSING TO BE DISPOSED/REPLACED | 0 | 60 | 0 | 60 | | | | |
| c UNACCEPTABLE HOUSED IN COMMUNITY | 0 | 0 | 0 | 0 | | | | |
| 10 VOLUNTARY SEPARATIONS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 EFFECTIVE HOUSING REQUIREMENTS | 285 | 1,573 | 205 | 2,063 | 292 | 1,801 | 216 | 2,309 |
| 12 HOUSING ASSETS (a + b) | 308 | 1,518 | 216 | 2,042 | 290 | 1,701 | 228 | 2,219 |
| a UNDER MILITARY CONTROL | 181 | 1,284 | 182 | 1,647 | 187 | 1,292 | 174 | 1,653 |
| (1) HOUSED IN EXISTING DOD OWNED/CONTROLLED | 181 | 1,284 | 182 | 1,647 | 187 | 1,292 | 174 | 1,653 |
| (2) UNDER CONTRACT/APPROVED | | | | | 0 | 0 | 0 | 0 |
| (3) VACANT | 0 | 0 | 0 | 0 | | | | |
| (4) INACTIVE | 0 | 0 | 0 | 0 | | | | |
| b PRIVATE HOUSING | 127 | 234 | 34 | 395 | 103 | 409 | 54 | 566 |
| (1) ACCEPTABLY HOUSED | 104 | 229 | 23 | 356 | | | | |
| (2) ACCEPTABLE VACANT RENTAL | 0 | 0 | 0 | 0 | | | | |
| 13 EFFECTIVE HOUSING DEFICIT | (23) | 55 | (11) | 21 | 2 | 100 | (12) | 90 |
| 14. PROPOSED PROJECT | | | | | 0 | 60 | 0 | 60 |
| 15 REMARKS | | | | | | | | |

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|---|---|--|-----------|------|-------------------------------|----------|-----|--------------|--------------|--------------------|---------|-------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | | 2. DATE | |
| AIR FORCE | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | 4. COMMAND | | | | | 5. AREA CONST | | |
| EDWARDS AIR FORCE BASE, CALIFORNIA | | | | | AIR FORCE MATERIEL COMMAND | | | | | COST INDEX 1.21 | | |
| 6. PERSONNEL | | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| STRENGTH | | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 98 | | | 612 | 3060 | 2943 | | | | 242 | 390 | 749 | 7,996 |
| b. End FY 2005 | | | 619 | 2905 | 2897 | | | | 242 | 390 | 749 | 7,802 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | | |
| a. Total Acreage: (300,723) | | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) 805,374 | | | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: 0 | | | | | | | | | | | | |
| d. Authorization Requested In This Program: 32,790 | | | | | | | | | | | | |
| e. Authorization Included In Following Program: (FY 2001) 11,800 | | | | | | | | | | | | |
| f. Planned In Next Four Program Years: 52,700 | | | | | | | | | | | | |
| g. Remaining Deficiency: 0 | | | | | | | | | | | | |
| h. Grand Total: 902,664 | | | | | | | | | | | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | | |
| CATEGORY | | | | | | | | | | | | |
| CODE | PROJECT TITLE | | | | | SCOPE | | COST (\$000) | DESIGN START | STATUS CMPL | | |
| 711-142 | REPLACE AREA B HOUSING PHASE 5 | | | | | 98 UN | | 16,270 | AUG 98 | JUN 99 | | |
| 711-142 | REPLACE AREA E HOUSING PHASE 1 | | | | | 90 UN | | 16,520 | OCT 98 | MAY 99 | | |
| TOTAL: | | | | | | | | 32,790 | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | | |
| 711-142 | REPLACE AREA B HOUSING PHASE 6 | | | | | 70 UN | | 11,800 | | | | |
| TOTAL: | | | | | | | | 11,800 | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | | |
| 711-142 | REPLACE FAMILY HOUSING | | | | | 100 UN | | 17,600 | | | | |
| 711-142 | REPLACE AREA F HOUSING PHASE 1 | | | | | 58 UN | | 10,300 | | | | |
| 711-142 | REPLACE AREA F HOUSING PHASE 2 | | | | | 112 UN | | 20,800 | | | | |
| 711-142 | REPLACE AREA F HOUSING PHASE 3 | | | | | 20 UN | | 4,000 | | | | |
| 9c. Real Property Maintenance Backlog This Installation 128,160 | | | | | | | | | | | | |
| 10. Mission or Major Functions: Air Force Flight Test Center for Research and Development which is responsible for flight test activities for all USAF aircraft and related avionics, flight control, and weapons systems; a test wing; an air base wing; Air Force Test Pilot School; a Propulsion Directorate of Phillips Laboratory; and a landing site for the space shuttle. | | | | | | | | | | | | |

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|--|------------------|--|-------------------------|--------------------------------|--------------|------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE | |
| AIR FORCE | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | 4. PROJECT TITLE | | |
| EDWARDS AIR FORCE BASE, CALIFORNIA | | | | REPLACE AREA B HOUSING PHASE 5 | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | | |
| 8.87.41 | 711-142 | FSPM004503 | Auth. | 16,270 | | |
| | | | Appr: | 4,404 | | |
| 9. COST ESTIMATES | | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) | |
| AREA B FAMILY HOUSING | | UN | 98 | 109,560 | 10,737 | |
| SUPPORTING FACILITIES | | | | | 3,951 | |
| SITE PREPARATION | | LS | | | (468) | |
| ROADS AND PAVING | | LS | | | (475) | |
| UTILITIES | | LS | | | (630) | |
| LANDSCAPING | | LS | | | (370) | |
| RECREATION | | LS | | | (340) | |
| SPECIAL CONSTRUCTION FEATURES | | LS | | | (785) | |
| DEMOLITION AND ENVIRONMENTAL | | LS | | | (883) | |
| SUBTOTAL | | | | | 14,688 | |
| CONTINGENCY (5%) | | | | | 734 | |
| TOTAL CONTRACT COST | | | | | 15,422 | |
| SUPERVISION, INSPECTION AND OVERHEAD (5.5%) | | | | | 848 | |
| TOTAL REQUEST | | | | | 16,270 | |
| AREA COST FACTOR | | 1.21 | | | | |
| 10. Description of Proposed Construction: Replace 98 housing units. Includes demolition of 98 units, site clearing, upgrade of utilities and roads, and construction of 98 new units. Provide normal amenities to include parking, air conditioning, exterior patios and privacy fencing, neighborhood playground and recreation areas. Includes demolition, asbestos and lead-based paint removal. | | | | | | |
| | UNIT TYPE | NET AREA | PROJECT FACTOR | \$/NSM | NO. UNITS | TOTAL COST |
| | JNCO 2BR | 88 | 1.21 | 808 | 4 | 344,143 |
| | JNCO 3BR | 111 | 1.21 | 808 | 80 | 8,681,798 |
| | JNCO 4BR | 125 | 1.21 | 808 | 14 | 1,710,940 |
| | | | | | 98 | 10,736,881 |
| 11. REQUIREMENT: 2,410 UN ADEQUATE: 1,921 UN SUBSTANDARD: 788 UN PROJECT: Replace Area B Housing Phase 5. (Current Mission) REQUIREMENT: This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. This project is required to provide modern and efficient replacement housing for military members and their dependents stationed at Edwards AFB. All units will meet "whole house" standards and are programmed in accordance with Phase 5 of the Housing Community Plan. The basic neighborhood support infrastructure will be upgraded to meet modern housing needs. CURRENT SITUATION: This project replaces 98 housing units which were | | | | | | |

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|--|--|---------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| AIR FORCE | | |
| 3. INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE, CALIFORNIA | | |
| 4. PROJECT TITLE | 5. PROJECT NUMBER | |
| REPLACE AREA B HOUSING PHASE 5 | FSPM004503 | |
| <p>constructed in the 1950s. These 40+ year old houses are showing the effects of age and continuous heavy use. They have not had any major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Plumbing system, electrical system, heating and air conditioning systems are antiquated and do not meet current standards for efficiency and safety. Windows do not meet life safety code for safe egress from the homes. Systems are in such poor repair that constant maintenance is required to maintain operability. The harsh environment has taken its toll and the units have deteriorated beyond economical repair. Asbestos-containing building materials contribute significantly to the high repair cost. The exteriors of these facilities have deteriorated to the point that all wooden surfaces need to be replaced. This housing area is very congested and presents a traffic flow safety hazard when cars park on the streets because the units lack driveways and adequate garages.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Asbestos will continue to limit maintainability, and future repair costs will be exorbitant due to the environmental abatement requirements. Mechanical and electrical systems will fail, adding to the already heavy workload and high cost to maintain. With no comparable on base housing, personnel will be encouraged to live off base. The nearest off base community is approximately 30 miles away, and is both time and cost inefficient for personnel.</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. Previous projects (FY95,96,98,99) have replaced 260 substandard and demolished an additional 138 surplus units. All surplus units have been committed (FY99) for demolition. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. An energy evaluation/life-cycle cost was performed in support of the proposed facility. Base Civil Engineer is Col Steven D. Kukuk (805) 277-2910.</p> | | |

| | | |
|---|--|-------------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | 2. DATE |
| AIR FORCE | (computer generated) | |
| 3. INSTALLATION AND LOCATION | | |
| EDWARDS AIR FORCE BASE, CALIFORNIA | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER |
| REPLACE AREA B HOUSING PHASE 5 | | FSPM004503 |
| 12. SUPPLEMENTAL DATA: | | |
| a. Estimated Design Data: | | |
| (1) Status: | | |
| (a) Date Design Started | | 98 AUG 15 |
| (b) Parametric Cost Estimates used to develop costs | | N |
| (c) Percent Complete as of Jan 1999 | | 35% |
| (d) Date 35% Designed. | | 98 DEC 01 |
| (e) Date Design Complete | | 99 JUN 01 |
| (f) Energy Study/Life-Cycle analysis was/will be performed | | |
| (2) Basis: | | |
| (a) Standard or Definitive Design - | | |
| (b) Where Design Was Most Recently Used - | | |
| (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) | | |
| (a) Production of Plans and Specifications | | 150 |
| (b) All Other Design Costs | | 40 |
| (c) Total | | 190 |
| (d) Contract | | 190 |
| (e) In-house | | |
| (4) Construction Start | | 00 MAY |
| (5) Construction Completion | | 00 |
| b. Equipment associated with this project will be provided from other appropriations: N/A | | |

| | | | | | | | | | |
|---|--|---------------------------|--------------|-----------------------|--------------------------|---|--------------|--------------|--------------|
| MILITARY FAMILY HOUSING JUSTIFICATION | | 1 DATE OF REPORT | | 2 FISCAL YEAR 2000 | | REPORT CONTROL SYMBOL DD-A&L(AR)1716 | | | |
| 3. DOD COMPONENT AIR FORCE | | 4. REPORTING INSTALLATION | | | | | | | |
| 5 DATA AS OF 1998 | | a. NAME Edwards AFB | | | b LOCATION California | | | | |
| ANALYSIS OF REQUIREMENTS AND ASSETS | | CURRENT | | | | PROJECTED | | | |
| | | OFFICER (a) | E9-E4 (b) | E3-E1 (c) | TOTAL (d) | OFFICER (e) | E9-E4 (f) | E3-E1 (g) | TOTAL (h) |
| 6 TOTAL PERSONNEL STRENGTH | | 724 | 2,646 | 813 | 4,183 | 704 | 1,936 | 544 | 3,184 |
| 7. PERMANENT PARTY PERSONNEL | | 724 | 2,646 | 813 | 4,183 | 704 | 1,936 | 544 | 3,184 |
| 8 GROSS FAMILY HOUSING REQUIREMENTS | | 545 | 2,004 | 303 | 2,852 | 534 | 1,467 | 200 | 2,201 |
| 9 TOTAL UNACCEPTABLY HOUSED (a + b + c) | | 10 | 141 | 0 | 151 | | | | |
| a INVOLUNTARILY SEPARATED | | 0 | 0 | 0 | 0 | | | | |
| b IN MILITARY HOUSING TO BE DISPOSED/REPLACED | | 0 | 98 | 0 | 98 | | | | |
| c UNACCEPTABLE HOUSED IN COMMUNITY | | 10 | 43 | 0 | 53 | | | | |
| 10 VOLUNTARY SEPARATIONS | | 52 | 65 | 19 | 136 | 49 | 46 | 12 | 107 |
| 11 EFFECTIVE HOUSING REQUIREMENTS | | 493 | 1,939 | 284 | 2,716 | 485 | 1,421 | 188 | 2,094 |
| 12 HOUSING ASSETS (a + b) | | 483 | 1,798 | 284 | 2,565 | 483 | 1,301 | 188 | 1,972 |
| a UNDER MILITARY CONTROL | | 310 | 1,301 | 280 | 1,891 | 380 | 1,301 | 188 | 1,741 |
| (1) HOUSED IN EXISTING DOD OWNED/CONTROLLED | | 310 | 1,301 | 280 | 1,891 | 380 | 1,253 | 188 | 1,693 |
| (2) UNDER CONTRACT/APPROVED | | | | | | 0 | 48 | 0 | 48 |
| (3) VACANT | | 0 | 0 | 0 | 0 | | | | |
| (4) INACTIVE | | 0 | 0 | 0 | 0 | | | | |
| b PRIVATE HOUSING | | 173 | 497 | 4 | 674 | 103 | 0 | 0 | 103 |
| (1) ACCEPTABLY HOUSED | | 173 | 497 | 4 | 674 | | | | |
| (2) ACCEPTABLE VACANT RENTAL | | 0 | 0 | 0 | 0 | | | | |
| 13 EFFECTIVE HOUSING DEFICIT | | 10 | 141 | 0 | 151 | 2 | 120 | 0 | 122 |
| 14 PROPOSED PROJECT | | | | | | 0 | 98 | 0 | 98 |
| 15. REMARKS | | | | | | | | | |
| <p>Items 12a(1) & 12a(2), Projected Inventory reduced by FY99 project which demolished 186 units and replaced 48 Also, inventory reduced by FY99 O&M project Demolished 12 units</p> | | | | | | | | | |

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|---|------------------|--|--------------------------------|-----------|--------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE | |
| AIR FORCE | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| EDWARDS AIR FORCE BASE, CALIFORNIA | | | REPLACE AREA E HOUSING PHASE 1 | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 8.87.41.F | 711-142 | FSPM024502 | Auth: | 16,520 | |
| | | | Appr: | 4,472 | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| APPROPRIATED FAMILY HSG | | UN | 90 | 119,180 | 10,726 |
| SUPPORTING FACILITIES | | | | | 4,187 |
| SITE PREPARATION | | LS | | | (484) |
| ROADS AND PAVING | | LS | | | (528) |
| UTILITIES | | LS | | | (600) |
| LANDSCAPING | | LS | | | (300) |
| RECREATION | | LS | | | (375) |
| SPECIAL CONSTRUCTION FEATURES | | LS | | | (700) |
| DEMOLITION AND ENVIRONMENTAL | | LS | | | (1,200) |
| SUBTOTAL | | | | | 14,913 |
| CONTINGENCY (5%) | | | | | 746 |
| TOTAL CONTRACT COST | | | | | 15,659 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.5%) | | | | | 861 |
| TOTAL REQUEST | | | | | 16,520 |
| AREA COST FACTOR | | 1.21 | | | |
| 10. Description of Proposed Construction: Replace 90 housing units. Includes demolition of 100 existing units in Area E, and 52 units in Area B, site clearing, upgrade of utilities and roads, and construction of 90 new units. Provide normal amenities to include parking, air conditioning, exterior patios and privacy fencing, neighborhood playground and recreation areas. Includes asbestos and lead-based paint removal. | | | | | |
| | NET | PROJECT | \$/ | NO. | |
| UNIT TYPE | AREA | FACTOR | NSM | UNITS | TOTAL COST |
| CGO 3BR | 125 | 1.18 | 808 | 90 | 10,726,200 |
| | | | | 90 | 10,726,200 |
| 11. REQUIREMENT: 2,094 UN ADEQUATE: 487 UN SUBSTANDARD: 1,705 UN <u>PROJECT</u> : Replace Area E Housing (Current Mission) <u>REQUIREMENT</u> : This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. This project is required to provide modern and efficient replacement housing for military members and their dependents stationed at Edwards AFB. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. The basic neighborhood support infrastructure will be upgraded to meet modern housing needs. <u>CURRENT SITUATION</u> : This project replaces 90 housing units which were constructed in the 1950s. These 40+ year old houses are showing the effects of age and continuous heavy use. They have not had any major | | | | | |

| | | |
|---|--|---------|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE, CALIFORNIA | | |
| 4. PROJECT TITLE REPLACE AREA E HOUSING PHASE 1 | 5. PROJECT NUMBER FSPM024502 | |
| <p>upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Plumbing system, electrical system, heating and air conditioning systems are antiquated and do not meet current standards for efficiency and safety. Windows do not meet life safety code for safe egress from the homes. Systems are in such poor repair that constant maintenance is required to maintain operability. The harsh environment has taken its toll and the units have deteriorated beyond economical repair. Asbestos-containing building materials contribute significantly to the high repair cost. The exteriors of these facilities have deteriorated to the point that all wooden surfaces need to be replaced.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Asbestos will continue to limit maintainability, and future repair costs will be exorbitant due to the environmental abatement requirements. Mechanical and electrical systems will fail, adding to the already heavy workload and high cost to maintain. The units will continue to be occupied until they become uninhabitable because adequate, affordable housing is not available for company grade officer families in accordance with the Housing Market Analysis, which shows a deficit of 2 units.</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Since this is a replacement project, there will be no increase in the student population of impact on the ability of the local school district to support base dependents. Base Civil Engineer is Col. James E. Judkins (805) 277-2910.</p> | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---------|-------------------------|-----------|---|---|-------------------------------------|-----|------------------------|-----------|--------------------------|-----------|--|--|-------------------------------------|----|---|-----|--|-----|----------------------------|-----|-----------|-----|--------------|-----|--------------|--|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION EDWARDS AIR FORCE BASE, CALIFORNIA | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. PROJECT TITLE REPLACE AREA E HOUSING PHASE 1 | 5. PROJECT NUMBER FSPM024502 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>98 OCT 10</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>N</td> </tr> <tr> <td>(c) Percent Complete as of Jan 1999</td> <td>35%</td> </tr> <tr> <td>(d) Date 35% Designed.</td> <td>98 DEC 18</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>99 MAY 28</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td></td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>330</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>165</td> </tr> <tr> <td>(c) Total</td> <td>495</td> </tr> <tr> <td>(d) Contract</td> <td>495</td> </tr> <tr> <td>(e) In-house</td> <td></td> </tr> </table> <p>(4) Construction Start 00 MAY</p> <p>(5) Construction Completion 00</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> | | | (a) Date Design Started | 98 OCT 10 | (b) Parametric Cost Estimates used to develop costs | N | (c) Percent Complete as of Jan 1999 | 35% | (d) Date 35% Designed. | 98 DEC 18 | (e) Date Design Complete | 99 MAY 28 | (f) Energy Study/Life-Cycle analysis was/will be performed | | (a) Standard or Definitive Design - | NO | (b) Where Design Was Most Recently Used - | N/A | (a) Production of Plans and Specifications | 330 | (b) All Other Design Costs | 165 | (c) Total | 495 | (d) Contract | 495 | (e) In-house | |
| (a) Date Design Started | 98 OCT 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Parametric Cost Estimates used to develop costs | N | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Percent Complete as of Jan 1999 | 35% | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (d) Date 35% Designed. | 98 DEC 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) Date Design Complete | 99 MAY 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (f) Energy Study/Life-Cycle analysis was/will be performed | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Standard or Definitive Design - | NO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Where Design Was Most Recently Used - | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Production of Plans and Specifications | 330 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) All Other Design Costs | 165 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Total | 495 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (d) Contract | 495 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) In-house | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| MILITARY FAMILY HOUSING JUSTIFICATION | | 1. DATE OF REPORT | | 2 FISCAL YEAR 2000 | | REPORT CONTROL SYMBOL DD-A&L(AR)1716 | | | |
|--|--|--|--------------|--------------------------|--------------|---|----------------|----------------|--------------|
| 3. DOD COMPONENT AIR FORCE | | 4. REPORTING INSTALLATION | | | | | | | |
| 5. DATA AS OF 1998 | | a. NAME Edwards AFB | | b LOCATION California | | | | | |
| ANALYSIS OF REQUIREMENTS AND ASSETS | | CURRENT | | | | PROJECTED | | | |
| | | OFFICER (a) | E9-E4 (b) | E3 - E1 (c) | TOTAL (d) | OFFICER (e) | E9 - E4 (f) | E3 - E1 (g) | TOTAL (h) |
| 6. TOTAL PERSONNEL STRENGTH | | 724 | 2,646 | 813 | 4,183 | 704 | 1,936 | 544 | 3,184 |
| 7 PERMANENT PARTY PERSONNEL | | 724 | 2,646 | 813 | 4,183 | 704 | 1,936 | 544 | 3,184 |
| 8 GROSS FAMILY HOUSING REQUIREMENTS | | 545 | 1,906 | 303 | 2,754 | 534 | 1,467 | 200 | 2,201 |
| 9. TOTAL UNACCEPTABLY HOUSED (a + b + c) | | 108 | 43 | 0 | 151 | | | | |
| a INVOLUNTARILY SEPARATED | | 0 | 0 | 0 | 0 | | | | |
| b IN MILITARY HOUSING TO BE DISPOSED/REPLACED | | 98 | 0 | 0 | 98 | | | | |
| c UNACCEPTABLE HOUSED IN COMMUNITY | | 10 | 43 | 0 | 53 | | | | |
| 10 VOLUNTARY SEPARATIONS | | 52 | 65 | 19 | 136 | 49 | 46 | 12 | 107 |
| 11 EFFECTIVE HOUSING REQUIREMENTS | | 493 | 1,939 | 284 | 2,716 | 485 | 1,421 | 188 | 2,094 |
| 12. HOUSING ASSETS (a + b) | | 385 | 1,798 | 284 | 2,467 | 385 | 1,369 | 188 | 1,942 |
| a UNDER MILITARY CONTROL | | 212 | 1,301 | 280 | 1,793 | 282 | 1,369 | 188 | 1,839 |
| (1) HOUSED IN EXISTING DOD OWNED/CONTROLLED | | 212 | 1,301 | 280 | 1,793 | 282 | 1,271 | 188 | 1,741 |
| (2) UNDER CONTRACT/APPROVED | | | | | | 0 | 98 | 0 | 98 |
| (3) VACANT | | 0 | 0 | 0 | 0 | | | | |
| (4) INACTIVE | | 0 | 0 | 0 | 0 | | | | |
| b PRIVATE HOUSING | | 173 | 497 | 4 | 674 | 103 | 0 | 0 | 103 |
| (1) ACCEPTABLY HOUSED | | 173 | 497 | 4 | 674 | | | | |
| (2) ACCEPTABLE VACANT RENTAL | | 0 | 0 | 0 | 0 | | | | |
| 13 EFFECTIVE HOUSING DEFICIT | | 108 | 141 | 0 | 249 | 100 | 52 | 0 | 152 |
| 14. PROPOSED PROJECT | | | | | | 90 | 0 | 0 | 90 |
| 15 REMARKS | | <p>Items 12a(1) & 12a(2), Projected Inventory reduced by FY99 project which demolished 186 units and replaced 48 Also, inventory reduced by FY99 O&M project Demolished 12 units</p> | | | | | | | |

| | | | | | | | | | | | |
|--|---|-----------|------|----------------------------|----------|---------|--------|--------------------|-----|-----|-------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | 2. DATE | | | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | 4. COMMAND | | | | 5. AREA CONST | | | |
| VANDENBERG AIR FORCE BASE, CALIFORNIA | | | | AIR FORCE SPACE COMMAND | | | | COST INDEX 1.25 | | | |
| 6. PERSONNEL | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| STRENGTH | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 98 | | 620 | 2301 | 1020 | | | | | | | 3,941 |
| b. End FY 2005 | | 613 | 2216 | 917 | | | | | | | 3,746 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (98,256) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) 1,146,524 | | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: 0 | | | | | | | | | | | |
| d. Authorization Requested In This Program: 16,800 | | | | | | | | | | | |
| e. Authorization Included In Following Program: (FY 2001) 19,405 | | | | | | | | | | | |
| f. Planned In Next Four Program Years: 79,600 | | | | | | | | | | | |
| g. Remaining Deficiency: 0 | | | | | | | | | | | |
| h. Grand Total: 1,262,329 | | | | | | | | | | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY COST DESIGN STATUS | | | | | | | | | | | |
| CODE | PROJECT TITLE | | | | SCOPE | (\$000) | START | CMPL | | | |
| 711-142 | FY70 APPROPRIATED FAMILY HSG | | | | 91 UN | 16,800 | AUG 98 | JUN 99 | | | |
| | | | | | | TOTAL: | 16,800 | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | |
| 711-142 | REPLACE MILITARY FAMILY HOUSING, PHASE 8 | | | | 103 UN | 19,405 | | | | | |
| | | | | | | TOTAL: | 19,405 | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 711-142 | REPLACE MILITARY FAMILY HOUSING, PHASE 9 | | | | 102 UN | 19,400 | | | | | |
| 711-142 | REPLACE MILITARY FAMILY HOUSING, PHASE 10 | | | | 92 UN | 18,100 | | | | | |
| 711-142 | REPLACE MILITARY FAMILY HOUSING, PHASE-11 | | | | 109 UN | 23,700 | | | | | |
| 711-142 | REPLACE MILITARY FAMILY HOUSING, PHASE-12 | | | | 107 UN | 18,400 | | | | | |
| 9c. Real Property Maintenance Backlog This Installation 151,600 | | | | | | | | | | | |
| 10. Mission or Major Functions: Headquarters Fourteenth Air Force; a space wing with UH-1 aircraft; West Coast space launch and missile test operations; an Air Force Materiel Command detachment of the Space and Missile Systems Center; and an Air Education and Training Command space and missile training group. | | | | | | | | | | | |

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|---|--|--|--|-------------------------|--------------|-------------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE | |
| AIR FORCE | | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | | |
| VANDENBERG AIR FORCE BASE, CALIFORNIA | | | REPLACE MILITARY FAMILY HOUSING, PHASE 7 | | | |
| 5. PROGRAM ELEMENT | | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 8.87.41 | | 711-142 | XUMU004001 | Auth: | 16,800 | |
| | | | | Appr: | 4,548 | |
| 9. COST ESTIMATES | | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) | |
| REPLACE FAMILY HOUSING | | UN | 91 | 124,195 | 11,302 | |
| SUPPORTING FACILITIES | | | | | 3,864 | |
| SITE PREPARATION | | LS | | | (534) | |
| ROADS AND PAVING | | LS | | | (427) | |
| UTILITIES | | LS | | | (1,786) | |
| LANDSCAPING | | LS | | | (676) | |
| RECREATION & SPECIAL CONSTRUCTION | | LS | | | (135) | |
| DEMOLITION/ASBESTOS/LBP/UG TNKS REMOVE | | LS | | | (306) | |
| SUBTOTAL | | | | | 15,166 | |
| CONTINGENCY (5%) | | | | | 758 | |
| TOTAL CONTRACT COST | | | | | 15,924 | |
| SUPERVISION, INSPECTION AND OVERHEAD (5.5%) | | | | | 876 | |
| TOTAL REQUEST | | | | | 16,800 | |
| AREA COST FACTOR | | | 1.25 | | | |
| 10. Description of Proposed Construction: Replace 91 housing units. Includes demolition, site grading, replacement/upgrade of utilities and pavements, & construction of new housing units. Provides all needed amenities such as parking, single-car garages, storage, patios, fencing, tot lots, recreation areas, parks, lights, & trails. Includes demolition & disposal of asbestos, lead-based paints, and underground storage tanks. | | | | | | |
| | | NET | PROJECT | \$/ | NO. | |
| <u>UNIT TYPE</u> | | <u>AREA</u> | <u>FACTOR</u> | <u>NSM</u> | <u>UNITS</u> | <u>TOTAL COST</u> |
| SNCO 3BR | | 125 | 1.22 | 808 | 82 | 10,104,040 |
| SNCO 4BR | | 135 | 1.22 | 808 | 9 | 1,197,698 |
| | | | | | 91 | 11,301,738 |
| 11. REQUIREMENT: 2,245 UN ADEQUATE: 608 UN SUBSTANDARD: 1,637 UN PROJECT: Replace Military Family Housing (Phase 7), (Current Mission). REQUIREMENT: This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. Houses are Level 1 (Family Housing Facility Assessment). The project is required to provide modern, efficient, and safe housing for military members and their dependents stationed at Vandenberg AFB. All units will meet "whole house" standards and are programmed in accordance with Phase 7 of the Housing Community Plan (HCP). This is the seventh of fifteen phases to provide adequate housing for base personnel. Basic neighborhood support infrastructure will be upgraded to modern standards. | | | | | | |

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|---|--|---------|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION VANDENBERG AIR FORCE BASE, CALIFORNIA | | |
| 4. PROJECT TITLE REPLACE MILITARY FAMILY HOUSING, PHASE 7 | 5. PROJECT NUMBER XUMU004001 | |
| <p><u>CURRENT SITUATION:</u> Units are over 39 years old and have deteriorated to the point where replacement is the most economical alternative. Wiring and fixtures have been identified by the Fire Department and Base Safety as a fire hazard; wiring is brittle and exposed. There are no ground fault interrupters (a life safety hazard). Fixtures are energy inefficient. Plumbing systems have succumbed to the effects of hard water and corrosion, resulting in severe flow constriction and pipe leakage. Overhead pipes in the attics leak, causing ceiling and property damage. Corroded sewer lines leak in and under the floor slab. Roof structures are sagging. There is no family room and insufficient bulk storage. Kitchens have inefficient work space/circulation, worn out/insufficient cabinets. Bathroom fixtures, vanities, and appointments are worn and outmoded. Plumbing fixtures are worn and failing. Baths are deteriorated and outdated; shower enclosures and medicine cabinets are corroded, discolored, and pitted. The way the units are presently configured is inefficient and provides no privacy for residents. These houses have had no major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Roofs, walls, foundations, and sidewalks require replacement due to the effects of age and the environment. Housing interiors are inadequate by any modern criteria. Utility wires and poles clutter the streetscape. There is a lack of trees on streets, lawns, and open spaces.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Air Force members and their families will continue to be housed with minimal water and electrical services. The occupants of these housing units will suffer continual water leaks in their ceilings--damaging light fixtures and interior finishes. A living environment that promotes pride, professionalism, and individual dignity will not be provided. Without this and subsequent phases of this initiative, costly piecemeal repairs will continue out of necessity, with no improvement in the living quality.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. The cost to improve this housing is 96.3% of the replacement cost. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. An energy evaluation/life-cycle cost analysis was performed in support of the proposed facility. Base Civil Engineer: Colonel William R. Quinn (phone DSN 276-6855).</p> | | |

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|--|--|---------|-------------------------|-----------|---|---|-------------------------------------|-----|------------------------|-----------|--------------------------|-----------|--|--|-------------------------------------|----|---|-----|--|-----|----------------------------|-----|-----------|-----|--------------|-----|--------------|--|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION VANDENBERG AIR FORCE BASE, CALIFORNIA | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. PROJECT TITLE REPLACE MILITARY FAMILY HOUSING, PHASE 7 | 5. PROJECT NUMBER XUMU004001 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>98 AUG 30</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>N</td> </tr> <tr> <td>(c) Percent Complete as of Jan 1999</td> <td>35%</td> </tr> <tr> <td>(d) Date 35% Designed.</td> <td>98 OCT 15</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>99 JUN 01</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td></td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>300</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>125</td> </tr> <tr> <td>(c) Total</td> <td>425</td> </tr> <tr> <td>(d) Contract</td> <td>425</td> </tr> <tr> <td>(e) In-house</td> <td></td> </tr> </table> <p>(4) Construction Start 00 DEC</p> <p>(5) Construction Completion 00</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> | | | (a) Date Design Started | 98 AUG 30 | (b) Parametric Cost Estimates used to develop costs | N | (c) Percent Complete as of Jan 1999 | 35% | (d) Date 35% Designed. | 98 OCT 15 | (e) Date Design Complete | 99 JUN 01 | (f) Energy Study/Life-Cycle analysis was/will be performed | | (a) Standard or Definitive Design - | NO | (b) Where Design Was Most Recently Used - | N/A | (a) Production of Plans and Specifications | 300 | (b) All Other Design Costs | 125 | (c) Total | 425 | (d) Contract | 425 | (e) In-house | |
| (a) Date Design Started | 98 AUG 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Parametric Cost Estimates used to develop costs | N | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Percent Complete as of Jan 1999 | 35% | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (d) Date 35% Designed. | 98 OCT 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) Date Design Complete | 99 JUN 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (f) Energy Study/Life-Cycle analysis was/will be performed | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Standard or Definitive Design - | NO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Where Design Was Most Recently Used - | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Production of Plans and Specifications | 300 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) All Other Design Costs | 125 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Total | 425 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (d) Contract | 425 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) In-house | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|--|--|---------------------------|--------------|---------------------------|--------------|---|---------------|----------------|--------------|
| MILITARY FAMILY HOUSING JUSTIFICATION | | 1. DATE OF REPORT | | 2. FISCAL YEAR 2000 | | REPORT CONTROL SYMBOL DD-A&L(AR)1716 | | | |
| 3. DOD COMPONENT AIR FORCE | | 4. REPORTING INSTALLATION | | | | | | | |
| 5. DATA AS OF 1994 | | a. NAME Vandenberg AFB | | b. LOCATION California | | | | | |
| ANALYSIS OF REQUIREMENTS AND ASSETS | | CURRENT | | | PROJECTED | | | | |
| | | OFFICER (a) | E9-E4 (b) | E3 - E1 (c) | TOTAL (d) | OFFICER (e) | E9 -E4 (f) | E3 - E1 (g) | TOTAL (h) |
| 6. TOTAL PERSONNEL STRENGTH | | 748 | 2,057 | 707 | 3,512 | 845 | 2,046 | 936 | 3,828 |
| 7. PERMANENT PARTY PERSONNEL | | 748 | 2,057 | 707 | 3,512 | 846 | 2,046 | 936 | 3,828 |
| 8. GROSS FAMILY HOUSING REQUIREMENTS | | 487 | 1,526 | 167 | 2,180 | 517 | 1,514 | 214 | 2,245 |
| 9. TOTAL UNACCEPTABLY HOUSED (a + b + c) | | 0 | 129 | 4 | 133 | | | | |
| a. INVOLUNTARILY SEPARATED | | 0 | 0 | 0 | 0 | | | | |
| b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED | | 0 | 129 | 0 | 129 | | | | |
| c. UNACCEPTABLE HOUSED IN COMMUNITY | | 0 | 0 | 4 | 4 | | | | |
| 10. VOLUNTARY SEPARATIONS | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11. EFFECTIVE HOUSING REQUIREMENTS | | 487 | 1,526 | 167 | 2,180 | 517 | 1,514 | 214 | 2,245 |
| 12. HOUSING ASSETS (a + b) | | 496 | 1,402 | 163 | 2,061 | 518 | 1,396 | 201 | 2,115 |
| a. UNDER MILITARY CONTROL | | 496 | 1,294 | 157 | 1,947 | 496 | 1,294 | 157 | 1,947 |
| (1) HOUSED IN EXISTING DOD OWNED/CONTROLLED | | 487 | 1,289 | 157 | 1,933 | 496 | 1,294 | 157 | 1,947 |
| (2) UNDER CONTRACT/APPROVED | | | | | | 0 | 0 | 0 | 0 |
| (3) VACANT | | 9 | 5 | 0 | 14 | | | | |
| (4) INACTIVE | | 0 | 0 | 0 | 0 | | | | |
| b. PRIVATE HOUSING | | 0 | 108 | 6 | 114 | 22 | 102 | 44 | 168 |
| (1) ACCEPTABLY HOUSED | | 0 | 108 | 6 | 114 | | | | |
| (2) ACCEPTABLE VACANT RENTAL | | 0 | 0 | 0 | 0 | | | | |
| 13. EFFECTIVE HOUSING DEFICIT | | (9) | 124 | 4 | 119 | (1) | 118 | 13 | 130 |
| 14. PROPOSED PROJECT | | | | | | 0 | 91 | 0 | 91 |
| 15. REMARKS | | | | | | | | | |
| Item 14 Project demolishes 129 units and replaces 91 | | | | | | | | | |

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|---|---|-----------|------|-----|----------------------------------|---------|--------|--------------------|--------|---------|---------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | 2. DATE | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | 4. COMMAND | | | 5. AREA CONST | | | |
| BOLLING AIR FORCE BASE, DISTRICT OF COLUMBIA | | | | | AIR FORCE DISTRICT OF WASHINGTON | | | COST INDEX 0.96 | | | |
| 6. PERSONNEL | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| STRENGTH | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 98 | | 495 | 1403 | 915 | | | | 301 | 803 | 40 | 3,957 |
| b. End FY 2005 | | 492 | 1408 | 876 | | | | 301 | 803 | 40 | 3,920 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (607) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) | | | | | | | | | | | 247,908 |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | | 0 |
| d. Authorization Requested In This Program: | | | | | | | | | | | 9,375 |
| e. Authorization Included In Following Program: (FY 2001) | | | | | | | | | | | 5,610 |
| f. Planned In Next Four Program Years: | | | | | | | | | | | 24,266 |
| g. Remaining Deficiency: | | | | | | | | | | | 0 |
| h. Grand Total: | | | | | | | | | | | 287,159 |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | | | | | | COST | DESIGN | STATUS | | |
| CODE | PROJECT TITLE | | | | SCOPE | (\$000) | START | CMPL | | | |
| 711-142 | REPLACE FAMILY HOUSING (PH 5) | | | | 72 UN | 9,375 | JUL 98 | MAY 99 | | | |
| | | | | | | TOTAL: | 9,375 | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | |
| 711-142 | REPLACE FAMILY HOUSING (PH 6) | | | | 46 UN | 5,610 | | | | | |
| | | | | | | TOTAL: | 5,610 | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 711-142 | REPLACE FAMILY HOUSING (PH 7) | | | | 44 UN | 5,500 | | | | | |
| 711-142 | REPLACE FAMILLY HOUSING (PH 8) | | | | 46 UN | 6,200 | | | | | |
| 711-142 | REPLACE FAMILY HOUSING | | | | 48 UN | 6,400 | | | | | |
| 711-142 | REPLACE FAMILY HOUSING | | | | 50 UN | 6,166 | | | | | |
| 9c. Real Property Maintenance Backlog This Installation | | | | | | | | | | | 87,600 |
| 10. Mission or Major Functions: Supports Air Force personnel in the National Capitol Region. Headquarters USAF functions include Chief of Chaplains, Surgeon General, and Historian; Headquarters Air Force Office of Special Investigation; Air Force Office of Scientific Research; Air Force Legal Services Agency; Air Force Medical Operating Agency; USAF Band; USAF Honor Guard; and a support wing. | | | | | | | | | | | |

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|---|--|-------------------|-------------------------------|-----------|--------------|------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE | | |
| AIR FORCE | | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | | |
| BOLLING AIR FORCE BASE WASHINGTON, DISTRICT OF COLUMBIA | | | REPLACE FAMILY HOUSING (PH 5) | | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST(\$000) | | | |
| 8.87.41 | 711-142 | BXUR004000 | Auth | 9,375 | | |
| | | | Appr: | 2,537 | | |
| 9. COST ESTIMATES | | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) | |
| REPLACE FAMILY HOUSING (PH 5) | | UN | 72 | 91,419 | 6,582 | |
| SUPPORTING FACILITIES | | | | | 1,881 | |
| SITE PREPARATION | | LS | | | (397) | |
| ROADS AND PAVING | | LS | | | (373) | |
| UTILITIES | | LS | | | (285) | |
| LANDSCAPING | | LS | | | (281) | |
| RECREATION | | LS | | | (235) | |
| OTHER (DEMOLITION, ASBESTOS ABATEMENT) | | LS | | | (310) | |
| SUBTOTAL | | | | | 8,463 | |
| CONTINGENCY (5%) | | | | | 423 | |
| TOTAL CONTRACT COST | | | | | 8,886 | |
| SUPERVISION, INSPECTION AND OVERHEAD (5.5%) | | | | | 489 | |
| TOTAL REQUEST | | | | | 9,375 | |
| AREA COST FACTOR | | | .96 | | | |
| 10. Description of Proposed Construction: Demolish 72 three, four and five bedroom units and construct 72 three, four and five bedroom units. Provide interior fixtures, finishes and utility systems. Construction must result in complete and usable facilities, accessible to handicap persons. Modify and add to existing infrastructures to accommodate new site layout. Provide recreational facilities and landscaping. | | | | | | |
| | UNIT TYPE | NET AREA | PROJECT FACTOR | \$/NSM | NO. UNITS | TOTAL COST |
| | JNCO 3BR | 111 | .95 | 808 | 36 | 3,067,330 |
| | JNCO 4BR | 125 | .95 | 808 | 19 | 1,823,050 |
| | SNCO 3BR | 125 | .95 | 808 | 10 | 959,500 |
| | SNCO 4BR | 135 | .95 | 808 | 6 | 621,756 |
| | SNCO 5BR | 144 | .95 | 808 | 1 | 110,534 |
| | | | | | 72 | 6,582,170 |
| 11. REQUIREMENT: 7,046 UN ADEQUATE: 4,956 UN SUBSTANDARD: 1,167 UN PROJECT: Military Family Housing (Current Mission) | | | | | | |
| REQUIREMENT: This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. This project is required to bring Bolling AFB housing units up to Air Force minimum and contemporary living standards, eliminate health and safety hazards and improve energy efficiency. | | | | | | |
| CURRENT SITUATION: Housing units included in this project were constructed in 1975 under a very strict and low budget. There have not | | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION BOLLING AIR FORCE BASE WASHINGTON, DISTRICT OF COLUMBIA | | |
| 4. PROJECT TITLE REPLACE FAMILY HOUSING (PH 5) | 5. PROJECT NUMBER BXUR004000 | |
| <p>been any interior upgrades since construction. Previous economic analyses performed on units constructed in this era has proven it to be more cost effective to replace than to renovate. The cost to correct eminent problems existing with the inventory, space deficiencies, and modernization requirements has proven to be more costly than the original voucher cost and the capitalization combined. Major problems exist such as unstable soil, waste water line deterioration, defective lighting and wiring, etc. Floor drains were placed in a closet adjacent to the living room under the original construction. The drains require constant maintenance to prevent sewer gas from forming in the units. The original floor tiles are in a state of disrepair. Due to the labor and material cost to abate the asbestos contained in the mastic used to glue the tile, we are unable to accomplish the work under current budget bogeys. Occupants are also living with lighting and power deficiencies in addition to defective lighting equipment. The stairwell openings were constructed below current national standard. Occupants must take drastic measures to move king size boxed springs into the second floor. Air conditioning units are at the end of their lifespan. We recommend replacement of the units to bring living and energy standards up to current Air Force standards in the most cost effective method.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Failure to improve the quality of life at this installation impacts morale, therefore will inadvertently impact the mission. Government resources will continue to be adversely impacted as we continue our futal efforts to maintain deteriorating, inefficient systems. The need to provide living standards comparable to civilian communities is essential to attract new recruits and retain existing forces.</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Current Housing Community Plan (HCP) renovation costs exceed 74% of the current replacement cost. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. An energy evaluation/life-cycle cost was performed in support of the proposed facility. Base Civil Engineer: Col E. D. Mayfield, (202) 767-5565</p> | | |

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|---|--|-------------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| AIR FORCE | | |
| 3. INSTALLATION AND LOCATION | | |
| BOLLING AIR FORCE BASE WASHINGTON, DISTRICT OF COLUMBIA | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER |
| REPLACE FAMILY HOUSING (PH 5) | | BXUR004000 |
| 12. SUPPLEMENTAL DATA: | | |
| a. Estimated Design Data: | | |
| (1) Status: | | |
| (a) Date Design Started | | 98 JUL 30 |
| (b) Parametric Cost Estimates used to develop costs | | N |
| (c) Percent Complete as of Jan 1999 | | 35% |
| (d) Date 35% Designed. | | 98 DEC 20 |
| (e) Date Design Complete | | 99 MAY 25 |
| (f) Energy Study/Life-Cycle analysis was/will be performed | | |
| (2) Basis: | | |
| (a) Standard or Definitive Design - | | NO |
| (b) Where Design Was Most Recently Used - | | N/A |
| (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) | | |
| (a) Production of Plans and Specifications | | 150 |
| (b) All Other Design Costs | | 70 |
| (c) Total | | 220 |
| (d) Contract | | 220 |
| (e) In-house | | |
| (4) Construction Start | | 00 |
| (5) Construction Completion | | 00 |
| b. Equipment associated with this project will be provided from other appropriations: N/A | | |

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|--|--|--|-----------|-----------|------------------------|-------------------------------------|---|-----------|-----------|
| MILITARY FAMILY HOUSING JUSTIFICATION | | 1. DATE OF REPORT | | | 2. FISCAL YEAR 2000 | | REPORT CONTROL SYMBOL DD-A&L(AR)1716 | | |
| 3. DOD COMPONENT AIR FORCE | | 4. REPORTING INSTALLATION a. NAME Bolling Air Force Base | | | | b. LOCATION District of Columbia | | | |
| 5. DATA AS OF 1994 | | | | | | | | | |
| ANALYSIS OF REQUIREMENTS AND ASSETS | | CURRENT | | | | PROJECTED | | | |
| | | OFFICER (a) | E9-E4 (b) | E3-E1 (c) | TOTAL (d) | OFFICER (e) | E9-E4 (f) | E3-E1 (g) | TOTAL (h) |
| 6. TOTAL PERSONNEL STRENGTH | | 5,376 | 4,141 | 370 | 9,887 | 5,253 | 4,114 | 368 | 9,735 |
| 7. PERMANENT PARTY PERSONNEL | | 5,376 | 4,141 | 370 | 9,887 | 5,253 | 4,114 | 368 | 9,735 |
| 8. GROSS FAMILY HOUSING REQUIREMENTS | | 4,104 | 2,952 | 106 | 7,162 | 4,009 | 2,936 | 105 | 7,050 |
| 9. TOTAL UNACCEPTABLY HOUSED (a + b + c) | | 193 | 290 | 40 | 523 | | | | |
| a. INVOLUNTARILY SEPARATED | | 0 | 0 | 0 | 0 | | | | |
| b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED | | 0 | 72 | 0 | 72 | | | | |
| c. UNACCEPTABLE HOUSED IN COMMUNITY | | 193 | 218 | 40 | 451 | | | | |
| 10. VOLUNTARY SEPARATIONS | | 116 | 97 | 2 | 215 | 112 | 97 | 2 | 211 |
| 11. EFFECTIVE HOUSING REQUIREMENTS | | 3,988 | 2,855 | 104 | 6,947 | 3,897 | 2,839 | 103 | 6,839 |
| 12. HOUSING ASSETS (a + b) | | 3,795 | 2,565 | 64 | 6,424 | 3,713 | 2,553 | 66 | 6,332 |
| a. UNDER MILITARY CONTROL | | 360 | 1,390 | 21 | 1,771 | 360 | 1,390 | 21 | 1,771 |
| (1) HOUSED IN EXISTING DOD OWNED/CONTROLLED | | 360 | 1,390 | 21 | 1,771 | 360 | 1,390 | 21 | 1,771 |
| (2) UNDER CONTRACT/APPROVED | | | | | | 0 | 0 | 0 | 0 |
| (3) VACANT | | 0 | 0 | 0 | 0 | | | | |
| (4) INACTIVE | | 0 | 0 | 0 | 0 | | | | |
| b. PRIVATE HOUSING | | 3,435 | 1,175 | 43 | 4,653 | 3,353 | 1,163 | 45 | 4,561 |
| (1) ACCEPTABLY HOUSED | | 3,435 | 1,175 | 43 | 4,653 | | | | |
| (2) ACCEPTABLE VACANT RENTAL | | 0 | 0 | 0 | 0 | | | | |
| 13. EFFECTIVE HOUSING DEFICIT | | 193 | 290 | 40 | 523 | 184 | 286 | 37 | 507 |
| 14. PROPOSED PROJECT | | | | | | 0 | 72 | 0 | 72 |
| 15. REMARKS | | | | | | | | | |

| | | | | | | | | | | | |
|--|--|-----------------------------|------|------|----------|------------------|-----|---------------|---------------|---------------|--------|
| 1. COMPONENT | | | | | | | | | | 2. DATE | |
| FY 2000 MILITARY CONSTRUCTION PROGRAM AIR FORCE (computer generated) | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | | 4. COMMAND | | | 5. AREA CONST | | |
| EGLIN AIR FORCE BASE, FLORIDA | | | | | | AIR FORCE | | | COST INDEX | | |
| | | | | | | MATERIEL COMMAND | | | 0.86 | | |
| 6. PERSONNEL | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| STRENGTH | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 98 | | 1364 | 5810 | 3329 | | | | 55 | 276 | 370 | 11,204 |
| b. End FY 2005 | | 1348 | 5778 | 3214 | | | | 55 | 276 | 370 | 11,041 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (453,581) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) 444,905 | | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: 0 | | | | | | | | | | | |
| d. Authorization Requested In This Program: 14,080 | | | | | | | | | | | |
| e. Authorization Included In Following Program: (FY 2001) 15,930 | | | | | | | | | | | |
| f. Planned In Next Four Program Years: 42,300 | | | | | | | | | | | |
| g. Remaining Deficiency: 0 | | | | | | | | | | | |
| h. Grand Total: 517,215 | | | | | | | | | | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | | | | | COST | | DESIGN STATUS | | | |
| CODE | | PROJECT TITLE | | | | SCOPE | | (\$000) | | START CMPL | |
| 711-142 | | REPLACE FAMILY HOUSING | | | | 130 UN | | 14,080 | | AUG 98 JUL 99 | |
| | | PHASE 1 | | | | | | | | | |
| | | | | | | TOTAL: | | 14,080 | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | |
| 711-142 | | REPLACE WHERRY MFH, PH 2 | | | | 146 UN | | 15,930 | | | |
| | | | | | | TOTAL: | | 15,930 | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 711-142 | | REPLACE FAMILY HOUSING PH 3 | | | | 94 UN | | 10,800 | | | |
| 711-142 | | REPLACE FAMILY HOUSING PH 4 | | | | 148 UN | | 17,600 | | | |
| 711-142 | | REPLACE WHERRY FAMILY HSG | | | | 114 UN | | 13,900 | | | |
| | | PHASE 5 | | | | | | | | | |
| 9c. Real Property Maintenance Backlog This Installation | | | | | | | | | | 85,310 | |
| 10. Mission or Major Functions: Air Armament Center(AAC)is responsible for development, acquisition, testing, deployment and sustainment of conventional and nuclear air-delivered weapons. Operates two Air Force installations, providing host support to Eglin and Kirtland AFBs, and supports the largest single base mobility commitment in the Air Force. AAC accomplishes its mission through four components--the Armament Product Group (Eglin), 46th Test Wing (Eglin), 96th Air Base Wing (Eglin), and 377th Wing (Kirtland). | | | | | | | | | | | |

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|---|------------------|--|-----------------------------------|-----------|--------------|--|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE | |
| AIR FORCE | | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | | |
| EGLIN AIR FORCE BASE, FLORIDA | | | REPLACE FAMILY HOUSING PHASE 1 | | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | | |
| 8.87.41 | 711-142 | FTFA004001 | Auth: 14,080 Appr: 3,812 | | | |
| 9. COST ESTIMATES | | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) | |
| REPLACE WHERRY, PH 1 | | UN | 130 | 61,149 | 7,949 | |
| SUPPORTING FACILITIES | | | | | 4,761 | |
| SITE PREPARATION | | LS | | | (760) | |
| ROADS AND PAVING | | LS | | | (742) | |
| UTILITIES | | LS | | | (792) | |
| LANDSCAPING | | LS | | | (151) | |
| RECREATION | | LS | | | (150) | |
| SPECIAL CONSTRUCTION FEATURES | | LS | | | (780) | |
| DEMOLITION | | LS | | | (1,387) | |
| SUBTOTAL | | | | | 12,710 | |
| CONTINGENCY (5%) | | | | | 636 | |
| TOTAL CONTRACT COST | | | | | 13,346 | |
| SUPERVISION, INSPECTION AND OVERHEAD (5.5%) | | | | | 734 | |
| TOTAL REQUEST | | | | | 14,080 | |
| AREA COST FACTOR | | | .86 | | | |
| 10. Description of Proposed Construction: Replace 130 housing units. Includes demolition, site clearing, replacement/upgrade of utility systems and roads, and construction of new duplex units. Provides normal amenities to include parking, air conditioning, exterior patios and privacy fencing. Includes asbestos and lead-based paint removal. | | | | | | |
| | NET | PROJECT | \$/ | NO. | | |
| UNIT TYPE | AREA | FACTOR | NSM | UNITS | TOTAL COST | |
| JNCO 2BR | 88 | .86 | 808 | 130 | 7,949,427 | |
| | | | | 130 | 7,949,427 | |
| 11. REQUIREMENT: 5,057 UN ADEQUATE: 3,217 UN SUBSTANDARD: 1,941 UN PROJECT: Replace Military Family Housing (Phase 1). Project includes replacement of 130 Enlisted Quarters. (Current Mission) REQUIREMENT: This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. This project is required to provide modern and efficient replacement housing for military members and their dependents stationed at Eglin AFB. All units will meet "whole house" standards. This is the first of multiple phases to provide adequate housing for base personnel. The basic neighborhood support infrastructure will be upgraded to meet modern housing needs. CURRENT SITUATION: This project replaces 130 housing units which were constructed in 1952. These 48 year old houses are showing the affects of age and continuous heavy use. They have had no major upgrades since | | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA | | |
| 4. PROJECT TITLE REPLACE FAMILY HOUSING PHASE 1 | 5. PROJECT NUMBER FTFA004001 | |
| <p>construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Roofs, walls, foundations and exterior pavements require major repair or replacement due to the effects of age and the environment. Roof structures show signs of rot; leaks have made already inadequate insulation even less effective. Foundations and pavements are showing signs of failure due to settlement. Housing interiors are inadequate by modern criteria with small, inadequate bedrooms, lacking adequate closet space. Fixtures are outdated and energy inefficient. Kitchens have inadequate storage and counterspace, with antiquated cabinets, countertops and badly worn, marred sinks. Flooring throughout the house is outdated. Plumbing and electrical systems do not meet current building codes. There is no Ground Fault Interruptor Circuit protection, and many electrical outlets lack grounding protection. Lighting systems including heating and air conditioning systems require upgrade and replacement.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Major morale problems will continue if this replacement is not initiated. Some people will continue to occupy substandard housing. Adequate, affordable off-base housing is very limited. The current Housing Market Analysis shows an on base deficit of 466 units. Without this and subsequent phases of this initiative, costly piecemeal repairs will continue out of necessity, with no improvement in the living quality.</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". There will be no increase in the student population or impact on the ability of the local school district to support base dependents since this is replacement housing. The cost to improve this housing is 126% of the replacement cost. An energy evaluation/life-cycle cost analysis was performed in support of the propose facility. Base Civil Engineer: Col Richard Fernandez, (850)882-2876.</p> | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---------|-------------------------|-----------|---|---|-------------------------------------|-----|------------------------|-----------|--------------------------|-----------|--|--|-------------------------------------|----|---|-----|--|-----|----------------------------|----|-----------|-----|--------------|-----|--------------|--|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION EGLIN AIR FORCE BASE, FLORIDA | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. PROJECT TITLE REPLACE FAMILY HOUSING PHASE 1 | 5. PROJECT NUMBER FTFA004001 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>12. SUPPLEMENTAL DATA:</p> <p>a, Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>98 AUG 15</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>N</td> </tr> <tr> <td>(c) Percent Complete as of Jan 1999</td> <td>35%</td> </tr> <tr> <td>(d) Date 35% Designed.</td> <td>98 DEC 28</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>99 JUL 01</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td></td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>180</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>70</td> </tr> <tr> <td>(c) Total</td> <td>250</td> </tr> <tr> <td>(d) Contract</td> <td>250</td> </tr> <tr> <td>(e) In-house</td> <td></td> </tr> </table> <p>(4) Construction Start 00 MAY</p> <p>(5) Construction Completion 00</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> | | | (a) Date Design Started | 98 AUG 15 | (b) Parametric Cost Estimates used to develop costs | N | (c) Percent Complete as of Jan 1999 | 35% | (d) Date 35% Designed. | 98 DEC 28 | (e) Date Design Complete | 99 JUL 01 | (f) Energy Study/Life-Cycle analysis was/will be performed | | (a) Standard or Definitive Design - | NO | (b) Where Design Was Most Recently Used - | N/A | (a) Production of Plans and Specifications | 180 | (b) All Other Design Costs | 70 | (c) Total | 250 | (d) Contract | 250 | (e) In-house | |
| (a) Date Design Started | 98 AUG 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Parametric Cost Estimates used to develop costs | N | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Percent Complete as of Jan 1999 | 35% | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (d) Date 35% Designed. | 98 DEC 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) Date Design Complete | 99 JUL 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (f) Energy Study/Life-Cycle analysis was/will be performed | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Standard or Definitive Design - | NO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Where Design Was Most Recently Used - | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Production of Plans and Specifications | 180 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) All Other Design Costs | 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Total | 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (d) Contract | 250 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) In-house | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|--|--|---------------------------|--------------|------------------------|------------------------|---|---------------|----------------|--------------|
| MILITARY FAMILY HOUSING JUSTIFICATION | | 1. DATE OF REPORT | | 2. FISCAL YEAR 2000 | | REPORT CONTROL SYMBOL DD-A&L(AR)1716 | | | |
| 3. DOD COMPONENT AIR FORCE | | 4. REPORTING INSTALLATION | | | | | | | |
| 5. DATA AS OF 1997 | | a. NAME Eglin AFB | | | b. LOCATION Florida | | | | |
| ANALYSIS OF REQUIREMENTS AND ASSETS | | CURRENT | | | | PROJECTED | | | |
| | | OFFICER (a) | E9-E4 (b) | E3 - E1 (c) | TOTAL (d) | OFFICER (e) | E9 -E4 (f) | E3 - E1 (g) | TOTAL (h) |
| 6. TOTAL PERSONNEL STRENGTH | | 1,412 | 4,777 | 1,297 | 7,486 | 1,421 | 4,733 | 1,221 | 7,375 |
| 7. PERMANENT PARTY PERSONNEL | | 1,412 | 4,777 | 1,297 | 7,486 | 1,421 | 4,733 | 1,221 | 7,375 |
| 8. GROSS FAMILY HOUSING REQUIREMENTS | | 1,238 | 3,253 | 662 | 5,153 | 1,247 | 3,206 | 604 | 5,057 |
| 9. TOTAL UNACCEPTABLY HOUSED (a + b + c) | | 62 | 533 | 0 | 595 | | | | |
| a INVOLUNTARILY SEPARATED | | 0 | 0 | 0 | 0 | | | | |
| b IN MILITARY HOUSING TO BE DISPOSED/REPLACED | | 0 | 130 | 0 | 130 | | | | |
| c UNACCEPTABLE HOUSED IN COMMUNITY | | 62 | 403 | 0 | 465 | | | | |
| 10. VOLUNTARY SEPARATIONS | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11. EFFECTIVE HOUSING REQUIREMENTS | | 1,238 | 3,253 | 662 | 5,153 | 1,247 | 3,206 | 604 | 5,057 |
| 12. HOUSING ASSETS (a + b) | | 1,176 | 2,720 | 662 | 4,558 | 1,189 | 2,668 | 604 | 4,461 |
| a UNDER MILITARY CONTROL | | 242 | 1,201 | 319 | 1,762 | 242 | 1,221 | 299 | 1,762 |
| (1) HOUSED IN EXISTING DOD OWNED/CONTROLLED | | 242 | 1,201 | 319 | 1,762 | 242 | 1,221 | 299 | 1,762 |
| (2) UNDER CONTRACT/APPROVED | | | | | | 0 | 0 | 0 | 0 |
| (3) VACANT | | 0 | 0 | 0 | 0 | | | | |
| (4) INACTIVE | | 0 | 0 | 0 | 0 | | | | |
| b PRIVATE HOUSING | | 934 | 1,519 | 343 | 2,796 | 947 | 1,447 | 305 | 2,699 |
| (1) ACCEPTABLY HOUSED | | 934 | 1,519 | 343 | 2,796 | | | | |
| (2) ACCEPTABLE VACANT RENTAL | | 0 | 0 | 0 | 0 | | | | |
| 13. EFFECTIVE HOUSING DEFICIT | | 62 | 533 | 0 | 595 | 58 | 538 | 0 | 596 |
| 14. PROPOSED PROJECT | | | | | | 0 | 130 | 0 | 130 |
| 15. REMARKS | | | | | | | | | |

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|--|---|------------------------------|------|-----|----------|-------------------------|-----|--------------|--------------------|---------------|---------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | | 2. DATE |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | | 4. COMMAND | | | 5. AREA CONST | | |
| MACDILL AIR FORCE BASE, FLORIDA | | | | | | AIR MOBILITY COMMAND | | | COST INDEX 0.84 | | |
| 6. PERSONNEL | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| STRENGTH | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 97 | | 663 | 2746 | 986 | | | | 868 | 1037 | 109 | 6,409 |
| b. End FY 2003 | | 630 | 2709 | 965 | | | | 868 | 1037 | 109 | 6,318 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (5,767) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 97) 218,152 | | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: 0 | | | | | | | | | | | |
| d. Authorization Requested In This Program: 9,034 | | | | | | | | | | | |
| e. Authorization Included In Following Program: (FY 2001) 5,675 | | | | | | | | | | | |
| f. Planned In Next Four Program Years: 22,802 | | | | | | | | | | | |
| g. Remaining Deficiency: 0 | | | | | | | | | | | |
| h. Grand Total: 255,663 | | | | | | | | | | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | | | | | | | | | | |
| CODE | | PROJECT TITLE | | | | SCOPE | | COST (\$000) | | DESIGN STATUS | |
| | | | | | | | | START | | CMPL | |
| 711-142 | | FY70 APPROPRIATED FAMILY HSG | | | | 54 UN | | 9,034 | | JUL 98 NOV 98 | |
| | | | | | | TOTAL: | | 9,034 | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | |
| 711-142 | | FY70 APPROPRIATED FAMILY HSG | | | | 28 UN | | 5,675 | | | |
| | | | | | | TOTAL: | | 5,675 | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 711-142 | | REPLACE FAMILY HOUSING PH 6 | | | | 26 UN | | 5,100 | | | |
| 711-142 | | REPLACE FAMILY HOUSING PH 7 | | | | 42 UN | | 8,252 | | | |
| 711-142 | | REPLACE FAMILY HOUSING PH 8 | | | | 48 UN | | 9,450 | | | |
| 9c. Real Property Maintenance Backlog This Installation | | | | | | | | | | 85,500 | |
| 10. Mission or Major Functions: An air refueling wing with a KC-135 squadron;tenents include US Special Operations Command and US Central Command. | | | | | | | | | | | |

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|---|--|--|-------------------|--------------------------------|--------------|-------------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE | |
| AIR FORCE | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | 4. PROJECT TITLE | | |
| MACDILL AIR FORCE BASE, FLORIDA | | | | REPLACE FAMILY HOUSING PHASE 4 | | |
| 5. PROGRAM ELEMENT | | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 8.87.41 | | 711-142 | NVZR003708 | Auth: | 9,034 | |
| | | | | Appr: | 2,446 | |
| 9. COST ESTIMATES | | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) | |
| REPLACE FAMILY HOUSING PHASE 4 | | UN | 54 | 75,614 | 4,083 | |
| SUPPORTING FACILITIES | | | | | 4,056 | |
| SITEWORK | | LS | | | (1,218) | |
| ROADS AND PAVING | | LS | | | (441) | |
| UTILITIES | | LS | | | (331) | |
| LANDSCAPING | | LS | | | (149) | |
| RECREATION | | LS | | | (100) | |
| SPECIAL CONSTRUCTION FEATURES | | LS | | | (1,619) | |
| DEMO/ENVIRONMENTAL HAZARD REMEDIATION | | LS | | | (199) | |
| SUBTOTAL | | | | | 8,139 | |
| CONTINGENCY (5%) | | | | | 407 | |
| TOTAL CONTRACT COST | | | | | 8,546 | |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 487 | |
| TOTAL REQUEST | | | | | 9,034 | |
| AREA COST FACTOR | | | | | .84 | |
| 10. Description of Proposed Construction: Replace 54 housing units. Includes sitework; replace/upgrade utilities, roads, landscaping, and recreation areas. Amenities in new units include: kitchen appliances, carports, HVAC, carpet, patios, and privacy fencing. Special construction features denote design & construction of units to withstand hurricanes & storm surges. Demo 39 existing units and remediate associated asbestos. | | | | | | |
| | | NET | PROJECT | \$/ | NO. | |
| <u>UNIT TYPE</u> | | <u>AREA</u> | <u>FACTOR</u> | <u>NSM</u> | <u>UNITS</u> | <u>TOTAL COST</u> |
| JNCO 2BR | | 88 | .84 | 808 | 10 | 597,274 |
| JNCO 3BR | | 111 | .84 | 808 | 26 | 1,958,786 |
| JNCO 4BR | | 125 | .84 | 808 | 18 | 1,527,120 |
| | | | | | 54 | 4,083,180 |
| 11. REQUIREMENT: 2,268 UN ADEQUATE: 1,602 UN SUBSTANDARD: 636 UN PROJECT: Replace Military Family Housing, Phase 4 (Current Mission) REQUIREMENT: This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. This project is required to provide modern and efficient housing for military members and their families assigned to MacDill AFB. These new duplexes will meet "whole house" standards and provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. Project is programmed in accordance with the Housing Community Plan. Climatic considerations require special construction measures to withstand hurricanes and tidal surges. | | | | | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION MACDILL AIR FORCE BASE, FLORIDA | | |
| 4. PROJECT TITLE | 5. PROJECT NUMBER | |
| REPLACE FAMILY HOUSING PHASE 4 | NVZR003708 | |
| <p><u>CURRENT SITUATION:</u> This project replaces houses that are over 45 years old and are showing the effects of age and continuous heavy use. They have had no major upgrades since construction and do not meet the needs of today's families. Existing houses are well below the authorized net area. Roofs, walls, foundations, and exterior pavements require major repair or replacement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Lack of adequate parking spaces for occupants have created excessive congestion and safety hazards. Housing interiors are inadequate by any modern criteria. Bedrooms are small and lack sufficient closet space. Bathrooms are small; fixtures are outdated and energy inefficient. Kitchens have inadequate storage and counter space; cabinets are old and unsightly; counter tops and sinks are badly worn. Flooring throughout the house is worn and contains asbestos. Utility systems require excessive maintenance and repair. Housing density is excessive, creating a noisy, chaotic living environment.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Air Force members and their families will continue to live in extremely small, outdated, and unsatisfactory housing. The units will deteriorate further, resulting in escalating and unacceptable maintenance and repair costs as well as inconveniencing occupants. Without this and subsequent phases of this initiative, repairs will continue in a costly, piecemeal fashion with little or no improvement in occupant quality of life. These deficiencies will continue to adversely affect the morale of all personnel and their family members assigned to the base. The current Housing Market Analysis shows a projected deficit of 16 units.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide." Since this is replacement housing, student population will not increase nor will the ability of the local school district to support dependents be impacted. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo. Based on net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. The cost to improve these units is 81% of the replacement cost. The construction agent for the project is the Army Corps of Engineers; hence, SIOH cost is 5.7%. An energy evaluation/life-cycle cost analysis was performed in support of the proposed facility. Base Civil Engineer: Lt Col Wm Randall Floyd (813)828-3577.</p> | | |

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|--|--|---------|-------------------------|-----------|---|---|-------------------------------------|------|------------------------|-----------|--------------------------|-----------|--|--|-------------------------------------|----|---|-----|--|-----|----------------------------|--|-----------|-----|--------------|-----|--------------|--|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION MACDILL AIR FORCE BASE, FLORIDA | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. PROJECT TITLE REPLACE FAMILY HOUSING PHASE 4 | 5. PROJECT NUMBER NVZR003708 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>98 JUL 27</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>N</td> </tr> <tr> <td>(c) Percent Complete as of Jan 1999</td> <td>100%</td> </tr> <tr> <td>(d) Date 35% Designed.</td> <td>98 SEP 15</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>98 NOV 15</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td></td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>270</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td></td> </tr> <tr> <td>(c) Total</td> <td>270</td> </tr> <tr> <td>(d) Contract</td> <td>270</td> </tr> <tr> <td>(e) In-house</td> <td></td> </tr> </table> <p>(4) Construction Start 99 DEC</p> <p>(5) Construction Completion 01 JAN</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> | | | (a) Date Design Started | 98 JUL 27 | (b) Parametric Cost Estimates used to develop costs | N | (c) Percent Complete as of Jan 1999 | 100% | (d) Date 35% Designed. | 98 SEP 15 | (e) Date Design Complete | 98 NOV 15 | (f) Energy Study/Life-Cycle analysis was/will be performed | | (a) Standard or Definitive Design - | NO | (b) Where Design Was Most Recently Used - | N/A | (a) Production of Plans and Specifications | 270 | (b) All Other Design Costs | | (c) Total | 270 | (d) Contract | 270 | (e) In-house | |
| (a) Date Design Started | 98 JUL 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Parametric Cost Estimates used to develop costs | N | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Percent Complete as of Jan 1999 | 100% | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (d) Date 35% Designed. | 98 SEP 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) Date Design Complete | 98 NOV 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (f) Energy Study/Life-Cycle analysis was/will be performed | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Standard or Definitive Design - | NO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Where Design Was Most Recently Used - | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Production of Plans and Specifications | 270 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) All Other Design Costs | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Total | 270 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (d) Contract | 270 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) In-house | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| MILITARY FAMILY HOUSING JUSTIFICATION | | 1. DATE OF REPORT | | 2. FISCAL YEAR | | REPORT CONTROL SYMBOL | | | |
|--|--|---------------------------|-----------|------------------------|-----------|-----------------------|------------|----------------|-----------|
| 3. DOD COMPONENT AIR FORCE | | 4. REPORTING INSTALLATION | | | | 2000 | | DD-A&L(AR)1716 | |
| 5. DATA AS OF 1997 | | a. NAME MacDill AFB | | b. LOCATION Florida | | | | | |
| ANALYSIS OF REQUIREMENTS AND ASSETS | | CURRENT | | | | PROJECTED | | | |
| | | OFFIC (a) | E9-E4 (b) | E3 - E1 (c) | TOTAL (d) | FFICE (e) | E9 -E4 (f) | E3 - E1 (g) | TOTAL (h) |
| 6. TOTAL PERSONNEL STRENGTH | | 1,616 | 3,387 | 479 | 5,482 | 1,605 | 3,386 | 479 | 5,470 |
| 7. PERMANENT PARTY PERSONNEL | | 1,616 | 3,387 | 479 | 5,482 | 1,605 | 3,386 | 479 | 5,470 |
| 8. GROSS FAMILY HOUSING REQUIREMENTS | | 1,322 | 2,508 | 133 | 3,963 | 1,311 | 2,507 | 133 | 3,951 |
| 9. TOTAL UNACCEPTABLY HOUSED (a + b + c) | | 70 | 145 | 16 | 231 | | | | |
| a INVOLUNTARILY SEPARATED | | 0 | 0 | 0 | 0 | | | | |
| b IN MILITARY HOUSING TO BE DISPOSED/REPLACED | | 0 | 54 | 0 | 54 | | | | |
| c UNACCEPTABLE HOUSED IN COMMUNITY | | 70 | 91 | 16 | 177 | | | | |
| 10. VOLUNTARY SEPARATIONS | | 34 | 125 | 3 | 162 | 34 | 125 | 3 | 162 |
| 11. EFFECTIVE HOUSING REQUIREMENTS | | 1,288 | 2,383 | 130 | 3,801 | 1,277 | 2,382 | 130 | 3,789 |
| 12. HOUSING ASSETS (a + b) | | 1,218 | 2,238 | 114 | 3,570 | 1,223 | 2,251 | 114 | 3,588 |
| a UNDER MILITARY CONTROL | | 110 | 504 | 12 | 626 | 107 | 575 | 14 | 696 |
| (1) HOUSED IN EXISTING DOD OWNED/CONTROLLED | | 110 | 504 | 12 | 626 | 107 | 575 | 14 | 696 |
| (2) UNDER CONTRACT/APPROVED | | | | | | 0 | 0 | 0 | 0 |
| (3) VACANT | | 0 | 0 | 0 | 0 | | | | |
| (4) INACTIVE | | 0 | 0 | 0 | 0 | | | | |
| b PRIVATE HOUSING | | 1,108 | 1,734 | 102 | 2,944 | 1,116 | 1,676 | 100 | 2,892 |
| (1) ACCEPTABLY HOUSED | | 1,108 | 1,734 | 102 | 2,944 | | | | |
| (2) ACCEPTABLE VACANT RENTAL | | 0 | 0 | 0 | 0 | | | | |
| 13. EFFECTIVE HOUSING DEFICIT | | 70 | 145 | 16 | 231 | 54 | 131 | 16 | 201 |
| 14. PROPOSED PROJECT | | | | | | 0 | 54 | 0 | 54 |
| 15. REMARKS | | | | | | | | | |
| Item 12 a (1) The change in inventory is due to 56 units constructed in FY97, and the FY98 project to demolish 44 units and replace 58 | | | | | | | | | |

| | | | | | | | | | | | | |
|--|--|---|-----|-----|---------------------------------------|-----|--------|--------------------|--------------|---------|--------------------------|--|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | 2. DATE | | | |
| AIR FORCE | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | 4. COMMAND | | | 5. AREA CONST | | | | |
| COLUMBUS AIR FORCE BASE, MISSISSIPPI | | | | | AIR EDUCATION AND TRAINING COMMAND | | | COST INDEX 0.83 | | | | |
| 6. PERSONNEL | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | | |
| STRENGTH | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL | |
| a. As of 30 SEP 97 | | 352 | 767 | 332 | 149 | | | 50 | | 5 | 1,655 | |
| b. End FY 2003 | | 455 | 773 | 338 | 248 | | | 50 | | 5 | 1,869 | |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | | |
| a. Total Acreage: (| | 4,935) | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 97) | | | | | | | | | | 122,225 | | |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | 16,100 | | |
| d. Authorization Requested In This Program: | | | | | | | | | | 12,290 | | |
| e. Authorization Included In Following Program: (FY 2001) | | | | | | | | | | 0 | | |
| f. Planned In Next Four Program Years: | | | | | | | | | | 11,600 | | |
| g. Remaining Deficiency: | | | | | | | | | | 20,650 | | |
| h. Grand Total: | | | | | | | | | | 182,865 | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | | |
| CATEGORY | | PROJECT TITLE | | | | | SCOPE | | COST (\$000) | | DESIGN STATUS | |
| <u>CODE</u> | | | | | | | | | | | <u>START</u> <u>CMPL</u> | |
| 711-142 | | REPLACE FAMILY HOUSING PHASE 2 | | | | | 100 UN | | 12,290 | | TURN KEY | |
| | | | | | | | TOTAL: | | 12,290 | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) NONE | | | | | | | | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | | |
| 711-142 | | REPLACE MILITARY FAMILY HOUSING (PHASE 3) | | | | | 95 UN | | 11,600 | | | |
| 9c. Real Property Maintenance Backlog This Installation | | | | | | | | | | 15,800 | | |
| 10. Mission or Major Functions: A flying training wing that conducts Undergraduate Pilot Training with T-37 and T/AT38 aircraft. Base will receive T-1 aircraft. | | | | | | | | | | | | |

| | | | | | |
|--------------------------------------|------------------|--|--------------------------------|---------|--|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | 2. DATE | |
| AIR FORCE | | (computer generated) | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| COLUMBUS AIR FORCE BASE, MISSISSIPPI | | | REPLACE FAMILY HOUSING PHASE 2 | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 8.87.41 | 711-142 | EEPZ994000 | Auth: | 12,290 | |
| | | | Appr: | 3,327 | |

| 9. COST ESTIMATES | | | | |
|---|-----|----------|-----------|--------------|
| ITEM | U/M | QUANTITY | UNIT COST | COST (\$000) |
| REPLACE FAMILY HOUSING | UN | 100 | 77,916 | 7,792 |
| SUPPORTING FACILITIES | | | | 3,304 |
| SITE PREPARATION | LS | | | (444) |
| ROADS AND PAVING | LS | | | (335) |
| UTILITIES | LS | | | (692) |
| LANDSCAPING | LS | | | (226) |
| RECREATION | LS | | | (162) |
| OTHER (SPECIFY) DEMOLITION/ENVIRONMENT | LS | | | (1,445) |
| SUBTOTAL | | | | 11,096 |
| CONTINGENCY (5%) | | | | 555 |
| TOTAL CONTRACT COST | | | | 11,651 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.5%) | | | | 641 |
| TOTAL REQUEST | | | | 12,290 |
| AREA COST FACTOR | | .83 | | |

10. Description of Proposed Construction: Replace 100 housing units. Includes demolition, site clearing, replacement/upgrade of utility systems and roads, and construction of housing units. Provides normal amenities to include parking, air conditioning, exterior patios and privacy fencing, neighborhood playground, and recreation areas. Includes demolition, asbestos and lead based paint removal.

| UNIT TYPE | NET AREA | PROJECT FACTOR | \$/NSM | NO. UNITS | TOTAL COST |
|-----------|----------|----------------|--------|-----------|------------|
| JRENL 3BR | 111 | .81 | 808 | 10 | 726,473 |
| JRENL 4BR | 125 | .81 | 808 | 2 | 163,620 |
| JRENL 5BR | 144 | .81 | 808 | 1 | 94,245 |
| JNCO 3BR | 111 | .81 | 808 | 38 | 2,760,597 |
| JNCO 4BR | 125 | .81 | 808 | 13 | 1,063,530 |
| JNCO 5BR | 144 | .81 | 808 | 2 | 188,490 |
| SNCO 3BR | 125 | .81 | 808 | 32 | 2,617,920 |
| SNCO 4BR | 135 | .81 | 808 | 2 | 176,710 |
| | | | | 100 | 7,791,585 |

11. REQUIREMENT: 773 UN ADEQUATE: 65 UN SUBSTANDARD: 760 UN
PROJECT: Replace Military Family Housing (Phase 2). (Current Mission).
REQUIREMENT: This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. This project is required to provide modern and efficient replacement housing for military members and their dependents

| | | |
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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION COLUMBUS AIR FORCE BASE, MISSISSIPPI | | |
| 4. PROJECT TITLE REPLACE FAMILY HOUSING PHASE 2 | 5. PROJECT NUMBER EEPZ994000 | |
| <p>stationed at Columbus AFB. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. This is the second of multiple phases to provide adequate housing for base personnel. The basic neighborhood support infrastructure will be upgraded to meet modern housing needs.</p> <p><u>CURRENT SITUATION:</u> This project replaces 100 housing units which were constructed in 1959. These 41-year-old houses are showing the effects of age and continuous heavy use. They have had no major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Roofs, walls, foundations and exterior pavements require major repair or replacement owing to the effects of age and the environment. Roof structure shows signs of water and termite damage. Foundation and pavements are showing signs of failure owing to settlement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Housing interiors are generally inadequate by any modern criteria. These housing units are undersized up to 250 square feet. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Kitchens have inadequate storage and counterspace, cabinets are old, and countertops and sinks are badly worn. Flooring throughout the house is worn out, and contains evidence of asbestos. Plumbing located in the attic space has caused extensive damage to ceilings and walls due to leaks and breaks. There is no ground fault interrupter circuit protection and many electrical outlets lack grounding protection. Lighting systems throughout the houses are inefficient and require replacement. Heating and air conditioning systems require upgrade and replacement.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Major morale problems will result if this replacement initiative is not supported. Families will continue to live in unsuitable housing. The housing will continue to be occupied until it becomes totally uninhabitable. Without this and subsequent phases of this initiative, costly piecemeal repairs will continue, with no improvement in the living quality.</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operations. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most efficient over the life of the project. The cost to improve this housing is 92% of the replacement cost. Since this is replacement housing, there will be no increase in student population or impact on local school district to support base dependents. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An energy evaluation/life-cycle cost analysis was performed in support of the proposed facility. Base Civil Engineer: Maj Kevin P. Davidson, (601) 434-7327.</p> | | |

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|---|--|---------|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION COLUMBUS AIR FORCE BASE, MISSISSIPPI | | |
| 4. PROJECT TITLE REPLACE FAMILY HOUSING PHASE 2 | 5. PROJECT NUMBER EEPZ994000 | |
| 12. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Project to be accomplished by design-build procedures (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Design Allowance 300 (4) Construction Start 00 APR (5) Construction Completion 00 FEB (6) Energy Study/Life-Cycle analysis was/will be performed b. Equipment associated with this project will be provided from other appropriations: N/A | | |

| | | | | | | | | | |
|--|--|---------------------------|--------------|------------------------|----------------------------|---|----------------|----------------|--------------|
| MILITARY FAMILY HOUSING JUSTIFICATION | | 1. DATE OF REPORT | | 2. FISCAL YEAR 2000 | | REPORT CONTROL SYMBOL DD-A&L(AR)1716 | | | |
| 3. DOD COMPONENT AIR FORCE | | 4. REPORTING INSTALLATION | | | | | | | |
| 5. DATA AS OF 1996 | | a. NAME Columbus AFB | | | b. LOCATION Mississippi | | | | |
| ANALYSIS OF REQUIREMENTS AND ASSETS | | CURRENT | | | | PROJECTED | | | |
| | | OFFICER (a) | E9-E4 (b) | E3 - E1 (c) | TOTAL (d) | OFFICER (e) | E9 - E4 (f) | E3 - E1 (g) | TOTAL (h) |
| 6. TOTAL PERSONNEL STRENGTH | | 648 | 579 | 236 | 1,463 | 816 | 431 | 155 | 1,402 |
| 7. PERMANENT PARTY PERSONNEL | | 630 | 550 | 223 | 1,403 | 798 | 402 | 142 | 1,342 |
| 8. GROSS FAMILY HOUSING REQUIREMENTS | | 342 | 364 | 147 | 853 | 411 | 267 | 95 | 773 |
| 9. TOTAL UNACCEPTABLY HOUSED (a + b + c) | | 0 | 124 | 8 | 132 | | | | |
| a. INVOLUNTARILY SEPARATED | | 0 | 0 | 0 | 0 | | | | |
| b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED | | 0 | 122 | 0 | 122 | | | | |
| c. UNACCEPTABLE HOUSED IN COMMUNITY | | 0 | 2 | 8 | 10 | | | | |
| 10. VOLUNTARY SEPARATIONS | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11. EFFECTIVE HOUSING REQUIREMENTS | | 342 | 364 | 147 | 853 | 411 | 267 | 95 | 773 |
| 12. HOUSING ASSETS (a + b) | | 317 | 234 | 139 | 690 | 367 | 155 | 132 | 654 |
| a. UNDER MILITARY CONTROL | | 313 | 225 | 117 | 655 | 361 | 148 | 130 | 639 |
| (1) HOUSED IN EXISTING DOD OWNED/CONTROLLED | | 313 | 225 | 117 | 655 | 361 | 148 | 130 | 639 |
| (2) UNDER CONTRACT/APPROVED | | | | | | 0 | 0 | 0 | 0 |
| (3) VACANT | | 0 | 0 | 0 | 0 | | | | |
| (4) INACTIVE | | 0 | 0 | 0 | 0 | | | | |
| b. PRIVATE HOUSING | | 4 | 9 | 22 | 35 | 6 | 7 | 2 | 15 |
| (1) ACCEPTABLY HOUSED | | 4 | 9 | 22 | 35 | | | | |
| (2) ACCEPTABLE VACANT RENTAL | | 0 | 0 | 0 | 0 | | | | |
| 13. EFFECTIVE HOUSING DEFICIT | | 25 | 130 | 8 | 163 | 44 | 112 | (37) | 119 |
| 14. PROPOSED PROJECT | | | | | | 0 | 100 | 0 | 100 |
| 15. REMARKS | | | | | | | | | |
| <p>Item 12 a (1) Current and Projected: 26 Officer units converted to UOQs, 6 Enlisted units converted to TLQs Projected 16 Officer units demolished by FY98 project Projected 77 E9-E4 units redesignated, 64 to CGO and 13 to JENL</p> <p>Items 9b & 14 Project demolishes 122 units and replaces 100</p> | | | | | | | | | |

| | | | | | | | | | | | |
|---|---|-----------|------|-------|----------|--------|---------------|---------------|-----|---------------|---------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | | 2. DATE |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | | | 4. COMMAND | | | 5. AREA CONST | |
| MALMSTROM AIR FORCE BASE, MONTANA | | | | | | | AIR FORCE | | | COST INDEX | |
| | | | | | | | SPACE COMMAND | | | 1.16 | |
| 6. PERSONNEL | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| STRENGTH | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 97 | | 586 | 3336 | 416 | | | | | | | 4,338 |
| b. End FY 2003 | | 500 | 2907 | 397 | | | | | | | 3,804 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (3,608) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 97) | | | | | | | | | | | 374,282 |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | | 5,500 |
| d. Authorization Requested In This Program: | | | | | | | | | | | 7,570 |
| e. Authorization Included In Following Program: (FY 2001) | | | | | | | | | | | 0 |
| f. Planned In Next Four Program Years: | | | | | | | | | | | 8,000 |
| g. Remaining Deficiency: | | | | | | | | | | | 30,000 |
| h. Grand Total: | | | | | | | | | | | 425,352 |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | | | COST | | | | DESIGN STATUS | | | |
| CODE | PROJECT TITLE | | | SCOPE | (\$000) | START | CMPL | | | | |
| 711-142 | REPLACE FAMILY HOUSING | | | 34 UN | 7,570 | OCT 98 | MAY 99 | | | | |
| | | | | | TOTAL: | 7,570 | | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) NONE | | | | | | | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 711-142 | REPLACE MILITARY FAMILY HOUSING | | | 35 UN | 8,000 | | | | | | |
| 9c. Real Property Maintenance Backlog This Installation | | | | | | | | | | | 7,530 |
| 10. Mission or Major Functions: A missile wing consisting of four Minuteman intercontinental ballistic missile squadrons (conversion from Minuteman II to Minuteman III on hold) and UH-1 aircraft; and an Air Mobility Command air refueling group with one KC-135 squadron. | | | | | | | | | | | |

| | | | | | |
|---|--|------------------------|-------------------------|--------------|-------------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE | |
| AIR FORCE | | | | | |
| 3. INSTALLATION AND LOCATION | | 4. PROJECT TITLE | | | |
| MALMSTROM AIR FORCE BASE, MONTANA | | REPLACE FAMILY HOUSING | | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 8.87.41 | 711-142 | NZAS8600018 | Auth: 7,570 | Appr: 2,050 | |
| 9. COST ESTIMATES | | | | | |
| ITEM | U/M | QUANTITY | UNIT COST | COST (\$000) | |
| REPLACE FAMILY HOUSING | UN | 34 | 132,962 | 4,521 | |
| SUPPORTING FACILITIES | | | | 2,312 | |
| SITE PREPARATION | LS | | | (352) | |
| ROADS AND PAVING | LS | | | (454) | |
| UTILITIES | LS | | | (769) | |
| LANDSCAPING | LS | | | (159) | |
| RECREATION | LS | | | (66) | |
| SPECIAL CONSTRUCTION FEATURES | LS | | | (402) | |
| UNIT DISPOSAL | LS | | | (110) | |
| SUBTOTAL | | | | 6,833 | |
| CONTINGENCY (5%) | | | | 342 | |
| TOTAL CONTRACT COST | | | | 7,175 | |
| SUPERVISION, INSPECTION AND OVERHEAD (5.5%) | | | | 395 | |
| TOTAL REQUEST | | | | 7,570 | |
| AREA COST FACTOR | 1.16 | | | | |
| 10. Description of Proposed Construction: Replace 34 existing military family housing units. Includes construction, site preparation, utilities, streets, landscaping, and community development. Amenities include heating, air conditioning, carpeting, appliances, patios, and privacy fencing. Includes disposal of existing units, asbestos, and lead-based paint removal and construction of single car garages. | | | | | |
| | NET | PROJECT | \$/ | NO. | |
| <u>UNIT TYPE</u> | <u>AREA</u> | <u>FACTOR</u> | <u>NSM</u> | <u>UNITS</u> | <u>TOTAL COST</u> |
| JNCO 3BR | 139 | 1.17 | 808 | 30 | 3,942,151 |
| JNCO 4BR | 153 | 1.17 | 808 | 4 | 578,560 |
| | | | | 34 | 4,520,711 |
| 11. REQUIREMENT: 1,393 UN ADEQUATE: 355 UN SUBSTANDARD: 1,038 UN PROJECT: Replace 34 family housing units. Phase 5 of a multi-phased project that will replace a total of 376 units. (Current Mission) REQUIREMENT: This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. Project will provide modern and efficient housing for military members and their families assigned at Malmstrom AFB. All units will meet "whole house/neighborhood" standards and provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. CURRENT SITUATION: Units are Family Housing Facility Assessment Level 1. This project replaces 34 military family housing units constructed in the | | | | | |

| | | |
|--|--|---------|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION MALMSTROM AIR FORCE BASE, MONTANA | | |
| 4. PROJECT TITLE REPLACE FAMILY HOUSING | 5. PROJECT NUMBER NZAS8600018 | |
| <p>50s and 60s. Most of these units are over 40 years old and all units are undersized, meet none of the "whole house/neighborhood" standards and show the effects of age and continuous heavy use. The houses have deteriorated to the point where replacement is the most economical alternative. Wiring and fixtures have been identified as not meeting current codes. Wiring is brittle and exposed in many units and is a fire hazard. There are no Ground Fault Circuit Interruptor protections, and outlets lack proper grounding protections. Lighting systems are inefficient and require replacement. Plumbing systems have succumbed to the effects of hard water and corrosion, resulting in severe constriction and pipe leakage. Plumbing fixtures are worn and discolored and require replacing with new items. Housing interiors are inadequate by any modern criteria. Bedrooms are outdated and energy-inefficient. Kitchens lack sufficient storage and counterspace, cabinets are old and unsightly, and countertops and sinks are badly worn. Flooring throughout the units is outdated and contains asbestos. Additionally, the current unit configuration is inefficient resulting in major congestion. The units have no patio or backyard privacy and in many cases the net floor area of the living unit is below the established guidelines for the grade of occupant. Housing also lack the additional 28 net square meters for indoor recreation space authorized at norther tier bases.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Air Force members and their families will continue to be housed in inadequate housing units. Low morale and retention problems can be expected since suitable, affordable off-base housing is not readily available. Without this and the subsequent phases of this initiative, Malmstrom's units will continue to deteriorate resulting in escalating operations, maintenance, and repair costs to the Government.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Par II of Military Handbook 1190, "Facilities Planning and Design Guide." The cost of renovating existing units is 78% of the cost to replace these units. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present value and benefits of the respective alternatives, new construction was found to be the most cost effecient over the life of the project. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. BASE CIVIL ENGINEER: L. G. Dickinson, Lt Colonel, USAF, DSN-632-6188</p> | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---------|-------------------------|-----------|---|---|-------------------------------------|-----|------------------------|-----------|--------------------------|-----------|--|--|-------------------------------------|----|---|-----|--|-----|----------------------------|----|-----------|-----|--------------|-----|--------------|--|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION MALMSTROM AIR FORCE BASE, MONTANA | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. PROJECT TITLE REPLACE FAMILY HOUSING | 5. PROJECT NUMBER NZAS8600018 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>12. SUPPLEMENTAL DATA:</p> <p>a.. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>98 OCT 10</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>N</td> </tr> <tr> <td>(c) Percent Complete as of Jan 1999</td> <td>35%</td> </tr> <tr> <td>(d) Date 35% Designed.</td> <td>98 DEC 18</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>99 MAY 28</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td></td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>152</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>76</td> </tr> <tr> <td>(c) Total</td> <td>228</td> </tr> <tr> <td>(d) Contract</td> <td>228</td> </tr> <tr> <td>(e) In-house</td> <td></td> </tr> </table> <p>(4) Construction Start 00 MAY</p> <p>(5) Construction Completion 00</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> | | | (a) Date Design Started | 98 OCT 10 | (b) Parametric Cost Estimates used to develop costs | N | (c) Percent Complete as of Jan 1999 | 35% | (d) Date 35% Designed. | 98 DEC 18 | (e) Date Design Complete | 99 MAY 28 | (f) Energy Study/Life-Cycle analysis was/will be performed | | (a) Standard or Definitive Design - | NO | (b) Where Design Was Most Recently Used - | N/A | (a) Production of Plans and Specifications | 152 | (b) All Other Design Costs | 76 | (c) Total | 228 | (d) Contract | 228 | (e) In-house | |
| (a) Date Design Started | 98 OCT 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Parametric Cost Estimates used to develop costs | N | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Percent Complete as of Jan 1999 | 35% | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (d) Date 35% Designed. | 98 DEC 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) Date Design Complete | 99 MAY 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (f) Energy Study/Life-Cycle analysis was/will be performed | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Standard or Definitive Design - | NO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Where Design Was Most Recently Used - | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Production of Plans and Specifications | 152 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) All Other Design Costs | 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Total | 228 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (d) Contract | 228 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) In-house | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| MILITARY FAMILY HOUSING JUSTIFICATION | | 1. DATE OF REPORT | | 2. FISCAL YEAR 2000 | | REPORT CONTROL SYMBOL DD-A&L(AR)1716 | | |
|---|----------------|---------------------------|----------------|------------------------|------------------------|---|----------------|--------------|
| 3. DOD COMPONENT AIR FORCE | | 4. REPORTING INSTALLATION | | | | | | |
| 5. DATA AS OF 1994 | | a. NAME Malmstrom AFB | | | b. LOCATION Montana | | | |
| ANALYSIS OF REQUIREMENTS AND ASSETS | CURRENT | | | | PROJECTED | | | |
| | OFFICER (a) | E9-E4 (b) | E3 - E1 (c) | TOTAL (d) | OFFICER (e) | E9 -E4 (f) | E3 - E1 (g) | TOTAL (h) |
| 6. TOTAL PERSONNEL STRENGTH | 676 | 2,607 | 1,100 | 4,383 | 492 | 1,990 | 1,036 | 3,518 |
| 7. PERMANENT PARTY PERSONNEL | 676 | 2,607 | 1,100 | 4,383 | 492 | 1,990 | 1,036 | 3,518 |
| 8. GROSS FAMILY HOUSING REQUIREMENTS | 404 | 1,796 | 294 | 2,494 | 338 | 1,346 | 276 | 1,960 |
| 9. TOTAL UNACCEPTABLY HOUSED (a + b + c) | 30 | 68 | 36 | 134 | | | | |
| a. INVOLUNTARILY SEPARATED | 0 | 0 | 0 | 0 | | | | |
| b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED | 0 | 34 | 0 | 34 | | | | |
| c. UNACCEPTABLE HOUSED IN COMMUNITY | 30 | 34 | 36 | 100 | | | | |
| 10. VOLUNTARY SEPARATIONS | 12 | 74 | 13 | 99 | 9 | 57 | 13 | 79 |
| 11. EFFECTIVE HOUSING REQUIREMENTS | 392 | 1,722 | 281 | 2,395 | 329 | 1,289 | 263 | 1,881 |
| 12. HOUSING ASSETS (a + b) | 362 | 1,654 | 245 | 2,261 | 325 | 1,247 | 230 | 1,802 |
| a. UNDER MILITARY CONTROL | 258 | 1,114 | 0 | 1,372 | 258 | 1,114 | 0 | 1,372 |
| (1) HOUSED IN EXISTING DOD OWNED/CONTROLLED | 258 | 1,114 | 0 | 1,372 | 258 | 1,114 | 0 | 1,372 |
| (2) UNDER CONTRACT/APPROVED | | | | | 0 | 0 | 0 | 0 |
| (3) VACANT | 0 | 0 | 0 | 0 | | | | |
| (4) INACTIVE | 0 | 0 | 0 | 0 | | | | |
| b. PRIVATE HOUSING | 104 | 540 | 245 | 889 | 67 | 133 | 230 | 430 |
| (1) ACCEPTABLY HOUSED | 104 | 540 | 245 | 889 | | | | |
| (2) ACCEPTABLE VACANT RENTAL | 0 | 0 | 0 | 0 | | | | |
| 13. EFFECTIVE HOUSING DEFICIT | 30 | 68 | 36 | 134 | 4 | 42 | 33 | 79 |
| 14. PROPOSED PROJECT | | | | | 0 | 34 | 0 | 34 |
| 15. REMARKS | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---------------|------|--------|----------|--------------|--------------------|---------------|------|-----|-----------------------------|--|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | | 2. DATE | |
| AIR FORCE | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | | | 4. COMMAND | | | | 5. AREA CONST COST INDEX | |
| OFFUTT AIR FORCE BASE, NEBRASKA | | | | | | | AIR COMBAT COMMAND | | | | 0.97 | |
| 6. PERSONNEL STRENGTH | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | TOTAL | |
| | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | | |
| a. As of 30 SEP 98 | | 1794 | 7230 | 1429 | | | | 328 | 246 | 558 | 11,585 | |
| b. End FY 2005 | | 1571 | 6518 | 1531 | | | | 328 | 246 | 558 | 10,752 | |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | | |
| a. Total Acreage: (1,923) | | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) 405,673 | | | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: 0 | | | | | | | | | | | | |
| d. Authorization Requested In This Program: 12,352 | | | | | | | | | | | | |
| e. Authorization Included In Following Program: (FY 2001) 0 | | | | | | | | | | | | |
| f. Planned In Next Four Program Years: 34,700 | | | | | | | | | | | | |
| g. Remaining Deficiency: 0 | | | | | | | | | | | | |
| h. Grand Total: 452,725 | | | | | | | | | | | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | | |
| CATEGORY | | PROJECT TITLE | | SCOPE | | COST (\$000) | | DESIGN STATUS | | | | |
| CODE | | | | | | | | START | Cmpl | | | |
| 711-142 | REPLACE MILITARY FAMILY | | | 72 UN | 12,352 | TURN | KEY | | | | | |
| | HOUSING -- PH 5 | | | | | | | | | | | |
| | | | | TOTAL: | 12,352 | | | | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) NONE | | | | | | | | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | | |
| 711-000 | REPLACE MILITARY FAMILY | | | 70 UN | 12,100 | | | | | | | |
| | HOUSING (PH 7) | | | | | | | | | | | |
| 711-142 | REPLACE WHERRY HOUSING (PH 6) | | | 56 UN | 9,600 | | | | | | | |
| 711-142 | REPLACE MILITARY FAMILY | | | 73 UN | 13,000 | | | | | | | |
| | HOUSING (PHASE 8) | | | | | | | | | | | |
| 9c. Real Property Maintenance Backlog This Installation 9,230 | | | | | | | | | | | | |
| 10. Mission or Major Functions: A flying wing which consists of two RC-135/OC-135/WC-135 reconnaissance squadrons, two E-4/EC-135 airborne command and control squadrons which maintain a modified alert posture, C-21 aircraft; two intelligence squadrons; a space operations squadron; the Air Force Weather Agency; and the US Strategic Command. | | | | | | | | | | | | |

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|---|------------------|--|---|--------------|-------------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE | |
| AIR FORCE | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| OFFUTT AIR FORCE BASE, NEBRASKA | | | REPLACE MILITARY FAMILY HOUSING -- PH 5 | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 8.87.41 | 711-142 | SGBP000004 | Auth. | 12,352 | |
| | | | Appr: | 3,343 | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| REPLACE MILITARY FAMILY HOUSING PH5 | | UN | 72 | 86,997 | 6,264 |
| SUPPORTING FACILITIES | | | | | 4,866 |
| ROADS AND PAVEMENTS | | LS | | | (1,476) |
| UTILITIES | | LS | | | (1,468) |
| LANDSCAPING AND RECREATION | | LS | | | (197) |
| GARAGES, STORAGE, CIRCULATION SPACE | | LS | | | (769) |
| SPECIAL CONST FEATURES (EXCV & FOUND) | | LS | | | (220) |
| DEMOLITION & ENVIRONMENTAL (ASB/LBP) | | LS | | | (736) |
| SUBTOTAL | | | | | 11,130 |
| CONTINGENCY (5%) | | | | | 557 |
| TOTAL CONTRACT COST | | | | | 11,687 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 666 |
| TOTAL REQUEST | | | | | 12,352 |
| AREA COST FACTOR | | | .97 | | |
| 10. Description of Proposed Construction: Replace 72 Wherry housing units. Includes demolition, site clearing, upgrade of utility systems and roads, and design and construction of duplex and quadriplex family units. Includes excavation and basements. Provides amenities including appliances, garages, parking, air conditioning, patios, privacy fences, and neighborhood playgrounds. Includes asbestos and lead paint disposal. | | | | | |
| | NET | PROJECT | \$/ | NO. | |
| <u>UNIT TYPE</u> | <u>AREA</u> | <u>FACTOR</u> | <u>NSM</u> | <u>UNITS</u> | <u>TOTAL COST</u> |
| JRENL 3BR | 111 | .97 | 808 | 72 | 6,263,810 |
| | | | | 72 | 6,263,810 |
| 11. REQUIREMENT: 6,035 UN ADEQUATE: 3,761 UN SUBSTANDARD: 2,148 UN PROJECT: Replace Military Family Housing (Phase 5). REQUIREMENT: This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. This project is required to provide modern and efficient housing for military members and their dependents stationed at Offutt AFB. All units will meet "whole house" standards and are programmed in accordance with Phase D of the Housing Community Plan. Climatic and site conditions require special consideration be given to foundation design and will require extensive excavation and soil stabilization, and may require basements. CURRENT SITUATION: This project replaces housing units constructed in the early 1950s that are showing the effects of age and continuous heavy use. | | | | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| AIR FORCE | | |
| 3. INSTALLATION AND LOCATION | | |
| OFFUTT AIR FORCE BASE, NEBRASKA | | |
| 4. PROJECT TITLE | 5. PROJECT NUMBER | |
| REPLACE MILITARY FAMILY HOUSING -- PH 5 | SGBP000004 | |
| <p>Foundations are failing and several units have been demolished for safety of the personnel. Roofs, floors, and exterior pavements require major repairs or replacement. Plumbing and electrical systems are antiquated, require frequent maintenance and repair, and do not meet current standards for efficiency or safety. Interiors are inadequate by modern standards. Bedrooms are small and lack closet space. Bathrooms are small, fixtures are outdated, and electrical outlets are not properly grounded. Kitchens have inadequate storage and counter space. Cabinets, countertops and sinks are badly worn. Multi-plex heating is provided by a central boiler causing significant problems regulating temperatures in adjacent units. There are no garages, and existing parking is insufficient and inconvenient. Housing density is congested creating an undesirable living environment. Replacement units will be spread out over adjacent vacant space to reduce density. This project demolishes 72 existing units.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Air Force members and their families will continue to live in extremely unsuitable housing. The housing will continue to deteriorate with age, resulting in increased maintenance and repair costs, and extreme inconvenience to the occupants. Units will continue to fail structurally, endangering the lives of the occupants. Piecemeal repairs will be accomplished with little or no substantive improvement in occupant quality of life. These failures will lead to demolition of units without replacement, exacerbating the 126 unit deficit documented in the current Housing Market Analysis. These conditions will continue to adversely impact morale of assigned personnel.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide." Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. The improvement option costs are 90% of the replacement cost. An energy evaluation/life-cycle cost analysis was performed in support of the proposed facility. The construction agent is the Army Corp of Engineers resulting in SIOH costs of 5.7 percent. Base Civil Engineer: Lt Col John Fouser (402) 294-5500</p> | | |

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|--|--|---------|-------------------------------------|----|---|-----|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | | | | |
| 3. INSTALLATION AND LOCATION OFFUTT AIR FORCE BASE, NEBRASKA | | | | | | |
| 4. PROJECT TITLE REPLACE MILITARY FAMILY HOUSING -- PH 5 | 5. PROJECT NUMBER SGBP000004 | | | | | |
| <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Project to be accomplished by design-build procedures</p> <p>(2) Basis:</p> <table data-bbox="357 672 1315 745"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Design Allowance</p> <p>(4) Construction Start 00 MAY</p> <p>(5) Construction Completion 00</p> <p>(6) Energy Study/Life-Cycle analysis was/will be performed</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> | | | (a) Standard or Definitive Design - | NO | (b) Where Design Was Most Recently Used - | N/A |
| (a) Standard or Definitive Design - | NO | | | | | |
| (b) Where Design Was Most Recently Used - | N/A | | | | | |

| | | | | | | | | | |
|--|--|---|-----------|-------------|------------------------|-------------------------|---|-------------|-----------|
| MILITARY FAMILY HOUSING JUSTIFICATION | | 1. DATE OF REPORT | | | 2. FISCAL YEAR 2000 | | REPORT CONTROL SYMBOL DD-A&L(AR)1716 | | |
| 3. DOD COMPONENT AIR FORCE | | 4. REPORTING INSTALLATION a. NAME Offut AFB | | | | b. LOCATION Nebraska | | | |
| 5. DATA AS OF 1996 | | | | | | | | | |
| ANALYSIS OF REQUIREMENTS AND ASSETS | | CURRENT | | | | PROJECTED | | | |
| | | OFFICER (a) | E9-E4 (b) | E3 - E1 (c) | TOTAL (d) | OFFICER (e) | E9 -E4 (f) | E3 - E1 (g) | TOTAL (h) |
| 6. TOTAL PERSONNEL STRENGTH | | 2,152 | 5,618 | 1,306 | 9,076 | 2,013 | 5,482 | 1,252 | 8,747 |
| 7. PERMANENT PARTY PERSONNEL | | 2,152 | 5,618 | 1,306 | 9,076 | 2,013 | 5,482 | 1,252 | 8,747 |
| 8. GROSS FAMILY HOUSING REQUIREMENTS | | 1,702 | 4,147 | 396 | 6,245 | 1,603 | 4,052 | 380 | 6,035 |
| 9. TOTAL UNACCEPTABLY HOUSED (a + b + c) | | 38 | 145 | 31 | 214 | | | | |
| a. INVOLUNTARILY SEPARATED | | 0 | 0 | 0 | 0 | | | | |
| b. IN MILITARY HOUSING TO BE DISPOSED/REPLACED | | 0 | 72 | 0 | 72 | | | | |
| c. UNACCEPTABLE HOUSED IN COMMUNITY | | 38 | 73 | 31 | 142 | | | | |
| 10. VOLUNTARY SEPARATIONS | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11. EFFECTIVE HOUSING REQUIREMENTS | | 1,702 | 4,147 | 396 | 6,245 | 1,603 | 4,052 | 380 | 6,035 |
| 12. HOUSING ASSETS (a + b) | | 1,664 | 4,002 | 365 | 6,031 | 1,572 | 3,911 | 354 | 5,837 |
| a. UNDER MILITARY CONTROL | | 337 | 2,203 | 0 | 2,540 | 335 | 2,197 | 0 | 2,532 |
| (1) HOUSED IN EXISTING DOD OWNED/CONTROLLED | | 337 | 2,203 | 0 | 2,540 | 335 | 2,197 | 0 | 2,532 |
| (2) UNDER CONTRACT/APPROVED | | | | | | 0 | 0 | 0 | 0 |
| (3) VACANT | | 0 | 0 | 0 | 0 | | | | |
| (4) INACTIVE | | 0 | 0 | 0 | 0 | | | | |
| b. PRIVATE HOUSING | | 1,327 | 1,799 | 365 | 3,491 | 1,237 | 1,714 | 354 | 3,305 |
| (1) ACCEPTABLY HOUSED | | 1,327 | 1,799 | 365 | 3,491 | | | | |
| (2) ACCEPTABLE VACANT RENTAL | | 0 | 0 | 0 | 0 | | | | |
| 13. EFFECTIVE HOUSING DEFICIT | | 38 | 145 | 31 | 214 | 31 | 141 | 26 | 198 |
| 14. PROPOSED PROJECT | | | | | | 0 | 72 | 0 | 72 |
| 15. REMARKS | | | | | | | | | |
| <p>Item 12a(1)(h) An evaluation was performed indicating eight MFH units had exceeded their economic life and are scheduled to be demolished</p> | | | | | | | | | |

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|---|---|-----------|------|-----|----------|--------------------|--------|-----------|--------------------|---------|---------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | 2. DATE | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | | 4. COMMAND | | | 5. AREA CONST | | |
| SEYMOUR-JOHNSON AIR FORCE BASE, NORTH CAROLINA | | | | | | AIR COMBAT COMMAND | | | COST INDEX 0.82 | | |
| 6. PERSONNEL | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| STRENGTH | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 95 | | 513 | 4132 | 468 | | | | 37 | 62 | 183 | 5,395 |
| b. End FY 2001 | | 466 | 3857 | 608 | | | | 37 | 62 | 183 | 5,213 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (4,107) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 95) | | | | | | | | | | | 196,480 |
| c. Authorization Not Yet In Inventory: | | | | | | | | | | | 19,110 |
| d. Authorization Requested In This Program: | | | | | | | | | | | 12,187 |
| e. Authorization Included In Following Program: (FY 2001) | | | | | | | | | | | 13,670 |
| f. Planned In Next Four Program Years: | | | | | | | | | | | 37,200 |
| g. Remaining Deficiency: | | | | | | | | | | | 45,140 |
| h. Grand Total: | | | | | | | | | | | 323,787 |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | | | | | COST | | DESIGN | | STATUS | |
| CODE | PROJECT TITLE | | | | SCOPE | (\$000) | START | CMPL | | | |
| 711-142 | REPLACE MILITARY FAMILY HOUSING (PH5) | | | | 78 UN | 12,187 | AUG 98 | MAY 99 | | | |
| | | | | | | TOTAL: | 12,187 | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | |
| 711-142 | REPLACE MILITARY FAMILY HOUSING (PH 6) | | | | 98 UN | 13,670 | | | | | |
| | | | | | | TOTAL: | 13,670 | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 711-142 | REPLACE MILITARY FAMILY HOUSING (PHASE 7) | | | | 81 UN | 12,100 | | | | | |
| 711-142 | REPLACE MILITARY FAMILY HOUSING (PHASE 8) | | | | 79 UN | 12,200 | | | | | |
| 711-142 | REPLACE MILITARY FAMILY HOUSING (PHASE 9) | | | | 84 UN | 12,900 | | | | | |
| 9c. Real Property Maintenance Backlog This Installation | | | | | | | | | | | 4,670 |
| 10. Mission or Major Functions: A wing with four F-15 fighter squadrons, with two conducting 15E initial qualification training; and an Air Force Reserve Air Refueling Wing with one KC-135R squadron. | | | | | | | | | | | |

| | | | | | | |
|--|------------------|--|--|-----------|--------------|------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE | | |
| AIR FORCE | | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | | |
| SEYMOUR-JOHNSON AIR FORCE BASE NORTH CAROLINA | | | REPLACE MILITARY FAMILY HOUSING (PH5) | | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | | |
| 8.87.41 | 711-142 | VKAG006002 | Auth: | 12,187 | | |
| | | | Appr: | 3,300 | | |
| 9. COST ESTIMATES | | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) | |
| REPLACE MILITARY FAMILY HOUSING PH5 | | UN | 78 | 77,631 | 6,055 | |
| SUPPORTING FACILITIES | | | | | 4,946 | |
| SITE PREPARATION | | LS | | | (1,010) | |
| ROADS AND PAVING | | LS | | | (1,216) | |
| UTILITIES | | LS | | | (597) | |
| LANDSCAPING | | LS | | | (197) | |
| RECREATION | | LS | | | (164) | |
| GARAGES, STORAGE, CIRCULATION SPACE | | LS | | | (1,003) | |
| DEMOLITION AND ENVIRONMENTAL (ASB/LBP) | | LS | | | (760) | |
| SUBTOTAL | | | | | 11,001 | |
| CONTINGENCY (5%) | | | | | 550 | |
| TOTAL CONTRACT COST | | | | | 11,551 | |
| SUPERVISION, INSPECTION AND OVERHEAD (5.5%) | | | | | 635 | |
| TOTAL REQUEST | | | | | 12,187 | |
| AREA COST FACTOR | | | .82 | | | |
| 10. Description of Proposed Construction: Replace 78 housing units. Includes demolition, site clearing, replacement/upgrade of utility systems and roads, and construction of new single and duplex housing units. Provides normal amenities, to include off-street parking, appliances, air conditioning, carports, patios and privacy fencing, and neighborhood playgrounds. Includes asbestos and lead based paint removal. | | | | | | |
| | UNIT TYPE | NET AREA | PROJECT FACTOR | \$/NSM | NO. UNITS | TOTAL COST |
| | JNCO 3BR | 111 | .81 | 808 | 60 | 4,358,837 |
| | FGO 4BR | 144 | .81 | 808 | 18 | 1,696,412 |
| | | | | | 78 | 6,055,249 |
| 11. REQUIREMENT: 2,382 UN ADEQUATE: 962 UN SUBSTANDARD: 1,408 UN PROJECT: Replace Military Family Housing (Ph 5). (Current Mission) REQUIREMENT: This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. This project is required to provide modern and efficient replacement housing for military members and their dependents stationed at Seymour-Johnson AFB. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. This is the fifth phase of a multiple phase initiative to provide adequate housing for base personnel. Exterior parking will be provided for a second vehicle. The basic neighborhood support infrastructure will be upgraded to meet modern housing needs. | | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION SEYMOUR-JOHNSON AIR FORCE BASE NORTH CAROLINA | | |
| 4. PROJECT TITLE REPLACE MILITARY FAMILY HOUSING (PH5) | 5. PROJECT NUMBER VKAG006002 | |
| <p><u>CURRENT SITUATION:</u> This project replaces appropriated housing units which were constructed in 1972 and Capehart units constructed in 1958. These 28 and 42 year old houses are showing the affects of age and continuous heavy use. They have had no major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Walls, foundations and exterior pavements require major repair or replacement due to the effects of age and the environment. Wall insulation is inadequate. Foundations and pavements are showing signs of failure due to settlement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Housing interiors are generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Kitchens have inadequate storage and counter space, cabinets are old and unsightly, countertops and sinks are badly worn. Flooring throughout the house is outdated. Plumbing and electrical systems are outdated and require abnormal maintenance and repair. Electrical circuits do not meet National Electric Code requirements. Lighting systems throughout the houses are inefficient and do not meet modern needs. Heating and air conditioning systems require upgrade or replacement. This project demolishes 80 units and replaces 78 units.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Air Force members and their families will continue to live in extremely outdated and unsatisfactory housing. The housing will continue to deteriorate with age, resulting in increased maintenance and repair costs, increased inconvenience to the occupants, and will ultimately become uninhabitable. Piecemeal repairs will continue to be accomplished with little or no substantive improvement in occupant quality of life. These conditions will have an adverse impact on morale and degrade mission execution.</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement construction was found to be the most cost efficient over the life of the project. Improvement costs represent 80% of the replacement costs estimates. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. An energy evaluation/life-cycle cost analysis was performed in support of the proposed facility. Base Civil Engineer: Lt Col Purvis, (919) 736-5511.</p> | | |

| | | |
|---|--|---------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| AIR FORCE | | |
| 3. INSTALLATION AND LOCATION | | |
| SEYMOUR-JOHNSON AIR FORCE BASE NORTH CAROLINA | | |
| 4. PROJECT TITLE | 5. PROJECT NUMBER | |
| REPLACE MILITARY FAMILY HOUSING (PH5) | VKAG006002 | |
| 12. SUPPLEMENTAL DATA: | | |
| a. Estimated Design Data: | | |
| (1) Status: | | |
| (a) Date Design Started | 98 AUG 10 | |
| (b) Parametric Cost Estimates used to develop costs | N | |
| (c) Percent Complete as of Jan 1999 | 35% | |
| (d) Date 35% Designed. | 98 DEC 18 | |
| (e) Date Design Complete | 99 MAY 28 | |
| (f) Energy Study/Life-Cycle analysis was/will be performed | | |
| (2) Basis: | | |
| (a) Standard or Definitive Design - | NO | |
| (b) Where Design Was Most Recently Used - | N/A | |
| (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) | | |
| (a) Production of Plans and Specifications | 235 | |
| (b) All Other Design Costs | 130 | |
| (c) Total | 365 | |
| (d) Contract | 365 | |
| (e) In-house | | |
| (4) Construction Start | 00 MAY | |
| (5) Construction Completion | 00 | |
| b. Equipment associated with this project will be provided from other appropriations: N/A | | |

| MILITARY FAMILY HOUSING JUSTIFICATION | | 1. DATE OF REPORT | | | 2 FISCAL YEAR 2000 | | REPORT CONTROL SYMBOL DD-A&L(AR)1716 | | |
|--|--|--|--------------|----------------|-------------------------------|----------------|---|----------------|--------------|
| 3. DOD COMPONENT AIR FORCE | | 4. REPORTING INSTALLATION | | | | b. LOCATION | | | |
| 5 DATA AS OF 1997 | | a. NAME Seymour Johnson AFB | | | b. LOCATION North Carolina | | | | |
| ANALYSIS OF REQUIREMENTS AND ASSETS | | CURRENT | | | | PROJECTED | | | |
| | | OFFICER (a) | E9-E4 (b) | E3 - E1 (c) | TOTAL (d) | OFFICER (e) | E9 -E4 (f) | E3 - E1 (g) | TOTAL (h) |
| 6. TOTAL PERSONNEL STRENGTH | | 509 | 2,908 | 997 | 4,414 | 505 | 2,957 | 1,015 | 4,477 |
| 7 PERMANENT PARTY PERSONNEL | | 509 | 2,908 | 997 | 4,414 | 505 | 2,957 | 1,015 | 4,477 |
| 8 GROSS FAMILY HOUSING REQUIREMENTS | | 334 | 1,790 | 221 | 2,345 | 332 | 1,823 | 227 | 2,382 |
| 9 TOTAL UNACCEPTABLY HOUSED (a + b + c) | | 0 | 87 | 2 | 89 | | | | |
| a INVOLUNTARILY SEPARATED | | 0 | 0 | 0 | 0 | | | | |
| b IN MILITARY HOUSING TO BE DISPOSED/REPLACED | | 0 | 78 | 0 | 78 | | | | |
| c UNACCEPTABLE HOUSED IN COMMUNITY | | 0 | 9 | 2 | 11 | | | | |
| 10 VOLUNTARY SEPARATIONS | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11. EFFECTIVE HOUSING REQUIREMENTS | | 334 | 1,790 | 221 | 2,345 | 332 | 1,823 | 227 | 2,382 |
| 12. HOUSING ASSETS (a + b) | | 334 | 1,703 | 219 | 2,256 | 332 | 1,735 | 225 | 2,292 |
| a UNDER MILITARY CONTROL | | 154 | 1,290 | 176 | 1,620 | 154 | 1,283 | 175 | 1,612 |
| (1) HOUSED IN EXISTING DOD OWNED/CONTROLLED | | 154 | 1,290 | 176 | 1,620 | 154 | 1,283 | 175 | 1,612 |
| (2) UNDER CONTRACT/APPROVED | | | | | | 0 | 0 | 0 | 0 |
| (3) VACANT | | 0 | 0 | 0 | 0 | | | | |
| (4) INACTIVE | | 0 | 0 | 0 | 0 | | | | |
| b PRIVATE HOUSING | | 180 | 413 | 43 | 636 | 178 | 452 | 50 | 680 |
| (1) ACCEPTABLY HOUSED | | 180 | 413 | 43 | 636 | | | | |
| (2) ACCEPTABLE VACANT RENTAL | | 0 | 0 | 0 | 0 | | | | |
| 13 EFFECTIVE HOUSING DEFICIT | | 0 | 87 | 2 | 89 | 0 | 88 | 2 | 90 |
| 14 PROPOSED PROJECT | | | | | | 0 | 78 | 0 | 78 |
| 15 REMARKS | | Item 12a(1)(h) Eight units exceeded economic life and are scheduled for demilition | | | | | | | |

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|---|--------------------------------|---|------|-------------------------|----------|--------|--------|--------------------|---------|--------|-------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | 2. DATE | | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | 4. COMMAND | | | | 5. AREA CONST | | | |
| GRAND FORKS AIR FORCE BASE, NORTH DAKOTA | | | | AIR MOBILITY COMMAND | | | | COST INDEX 0.98 | | | |
| 6. PERSONNEL | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| STRENGTH | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 96 | | 625 | 3726 | 377 | | | | 1 | 2 | 93 | 4,824 |
| b. End FY 2001 | | 348 | 2513 | 331 | | | | 1 | 2 | 93 | 3,288 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (| | 5,422) | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 96) | | 344,969 | | | | | | | | | |
| c. Authorization Not Yet In Inventory: | | 12,900 | | | | | | | | | |
| d. Authorization Requested In This Program: | | 10,050 | | | | | | | | | |
| e. Authorization Included In Following Program: (FY 2001) | | 0 | | | | | | | | | |
| f. Planned In Next Four Program Years: | | 0 | | | | | | | | | |
| g. Remaining Deficiency: | | 39,550 | | | | | | | | | |
| h. Grand Total: | | 407,469 | | | | | | | | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | | | | | COST | | DESIGN STATUS | | | |
| CODE | PROJECT TITLE | SCOPE | | (\$000) | | START | CMPL | | | | |
| 711-142 | REPLACE FAMILY HOUSING PHASE A | 42 UN | | 10,050 | | JUL 98 | MAR 99 | | | | |
| | | | | TOTAL: | | 10,050 | | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) NONE | | | | | | | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 9c. Real Property Maintenance Backlog This Installation | | | | | | | | | | 33,430 | |
| 10. Mission or Major Functions: An air refueling wing with four KC-135 squadrons and an Air Force Space Command missile group with two Minuteman III intercontinental ballistic missile squadrons with HH-1 helicopters which will be inactivated as a result of the 1995 Defense Base Closure and Realignment Commission's recommendation. | | | | | | | | | | | |

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|--|------------------|--|--------------------------------|---------------|------------------|-------------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE | | |
| AIR FORCE | | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | | |
| GRAND FORKS AIR FORCE BASE, NORTH DAKOTA | | | REPLACE FAMILY HOUSING PHASE A | | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | | |
| 8.87.41 | 711-142 | JFSD980081 | Auth: | 10,050 | | |
| | | | Appr: | 2,720 | | |
| 9. COST ESTIMATES | | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) | |
| REPLACE FAMILY HOUSING PHASE A | | UN | 42 | 96,037 | 4,034 | |
| SUPPORTING FACILITIES | | | | | 5,022 | |
| SITE WORK | | LS | | | (1,062) | |
| RECREATION/FOUNDATIONS/GARAGES | | LS | | | (1,125) | |
| DEMO/ENVIRONMENTAL HAZARD REMEDIATION | | LS | | | (2,835) | |
| SUBTOTAL | | | | | 9,056 | |
| CONTINGENCY (5%) | | | | | 453 | |
| TOTAL CONTRACT COST | | | | | 9,509 | |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 542 | |
| TOTAL REQUEST | | | | | 10,050 | |
| AREA COST FACTOR | | | .98 | | | |
| 10. Description of Proposed Construction: Construct 42 housing units to include site preparation, utilities, roads, landscaping, neighborhood recreation areas. Amenities include heating, air conditioning, carpeting, garages, appliances, patios, and privacy fencing. Includes 28NSM for recreation space authorized northern tier bases, 7NSM for handicap access, demolition of 361 existing units and environmental hazard remediation. | | | | | | |
| | <u>UNIT TYPE</u> | <u>NET AREA</u> | <u>PROJECT FACTOR</u> | <u>\$/NSM</u> | <u>NO. UNITS</u> | <u>TOTAL COST</u> |
| | JNCO 2BR | 116 | 1.00 | 808 | 38 | 3,561,664 |
| | JNCO 3BR | 146 | 1.00 | 808 | 4 | 471,872 |
| | | | | | 42 | 4,033,536 |
| 11. REQUIREMENT: 1,816 UN ADEQUATE: 388 UN SUBSTANDARD: 1,747 UN PROJECT: Replace Military Family Housing Phase A (Current Mission) REQUIREMENT: This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. Project will provide 7 duplexes and 7 four-plexes which are modern and efficient housing for military members and their families assigned at Grand Forks AFB. All units will meet "whole house/neighborhood" standards and provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. Project is programmed in accordance with the Housing Community Plan. CURRENT SITUATION: This project replaces houses constructed in 1962. These 38-year old units are undersized, meet none of the "whole | | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION GRAND FORKS AIR FORCE BASE, NORTH DAKOTA | | |
| 4. PROJECT TITLE REPLACE FAMILY HOUSING PHASE A | 5. PROJECT NUMBER JFSD980081 | |
| <p>house/neighborhood" standards, and show the effects of age and continuous heavy use. They have had no major upgrades since construction and do not meet the needs of today's families. Roofs, walls, foundations and exterior pavements require major repair or replacement owing to the effects of age. Roof structures show signs of rot. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Housing interiors are inadequate by any modern criteria. Bedrooms are small and lack closet space. Bathrooms are small, fixtures are outdated and energy-inefficient. Kitchens lack sufficient storage and counterspace, cabinets are old and unsightly, and countertops and sinks are badly worn. Flooring throughout the house is outdated and contains asbestos. Outlets lack grounding protection, and there is no ground fault interrupter circuit protection. Lighting systems are inefficient and require replacement. Heating systems require upgrade and units have no air conditioning. The units have no patio or backyard privacy. Housing lacks additional 28 net square meters for indoor recreation space authorized at northern tier bases. Only one unit on the base is presently handicapped adaptable/accessible.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Air Force members and families will continue to be inadequately housed. Low morale and retention problems can be expected since enough suitable, affordable off-base housing is not available. The current Housing Market Analysis (HMA) shows a deficit of 118 E1-E3 units. Air Force families with handicapped members cannot be provided housing to meet their needs. Units will continue to deteriorate resulting in escalating operations, maintenance and repair costs to the Government.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facilities Planning and Design Guide". Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. The cost to improve this housing is 76% of the replacement cost. An energy evaluation/life-cycle cost analysis was performed in support of the proposed facility. The agent for this project is the Army Corp of Engineers resulting in SIOH costs of 5.7 percent. Base Civil Engineer: Maj Dave Howe (701) 747-4768</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | 2. DATE |
| AIR FORCE | (computer generated) | |
| 3. INSTALLATION AND LOCATION | | |
| GRAND FORKS AIR FORCE BASE, NORTH DAKOTA | | |
| 4. PROJECT TITLE | 5. PROJECT NUMBER | |
| REPLACE FAMILY HOUSING PHASE A | JFSD980081 | |
| 12. SUPPLEMENTAL DATA: | | |
| a.. Estimated Design Data: | | |
| (1) Status: | | |
| (a) Date Design Started | | 98 JUL 27 |
| (b) Parametric Cost Estimates used to develop costs | | N |
| (c) Percent Complete as of Jan 1999 | | 60% |
| (d) Date 35% Designed. | | 98 SEP 15 |
| (e) Date Design Complete | | 99 MAR 15 |
| (f) Energy Study/Life-Cycle analysis was/will be performed | | |
| (2) Basis: | | |
| (a) Standard or Definitive Design - | | NO |
| (b) Where Design Was Most Recently Used - | | N/A |
| (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) | | |
| (a) Production of Plans and Specifications | | 305 |
| (b) All Other Design Costs | | |
| (c) Total | | 305 |
| (d) Contract | | 305 |
| (e) In-house | | |
| (4) Construction Start | | 00 MAR |
| (5) Construction Completion | | 00 |
| b. Equipment associated with this project will be provided from other appropriations: N/A | | |

| MILITARY FAMILY HOUSING JUSTIFICATION | | 1 DATE OF REPORT | | 2 FISCAL YEAR 2000 | | REPORT CONTROL SYMBOL DD-A&L(AR)1716 | | | |
|--|--|--|--------------|----------------------------|--------------|---|----------------|----------------|--------------|
| 3 DOD COMPONENT AIR FORCE | | 4. REPORTING INSTALLATION | | | | b LOCATION | | | |
| 5. DATA AS OF 1997 | | a. NAME Grand Forks AFB | | b LOCATION North Dakota | | | | | |
| ANALYSIS OF REQUIREMENTS AND ASSETS | | CURRENT | | | | PROJECTED | | | |
| | | OFFICER (a) | E9-E4 (b) | E3 - E1 (c) | TOTAL (d) | OFFICER (e) | E9 - E4 (f) | E3 - E1 (g) | TOTAL (h) |
| 6 TOTAL PERSONNEL STRENGTH | | 631 | 2,820 | 907 | 4,358 | 352 | 1,828 | 588 | 2,768 |
| 7. PERMANENT PARTY PERSONNEL | | 631 | 2,820 | 907 | 4,358 | 352 | 1,828 | 588 | 2,768 |
| 8. GROSS FAMILY HOUSING REQUIREMENTS | | 425 | 2,206 | 281 | 2,912 | 237 | 1,430 | 182 | 1,849 |
| 9. TOTAL UNACCEPTABLY HOUSED (a + b + c) | | 106 | 289 | 55 | 450 | | | | |
| a INVOLUNTARILY SEPARATED | | 0 | 0 | 0 | 0 | | | | |
| b IN MILITARY HOUSING TO BE DISPOSED/REPLACED | | 100 | 219 | 47 | 366 | | | | |
| c UNACCEPTABLE HOUSED IN COMMUNITY | | 6 | 70 | 8 | 84 | | | | |
| 10 VOLUNTARY SEPARATIONS | | 0 | 43 | 8 | 51 | 0 | 28 | 5 | 33 |
| 11. EFFECTIVE HOUSING REQUIREMENTS | | 425 | 2,163 | 273 | 2,861 | 237 | 1,402 | 177 | 1,816 |
| 12. HOUSING ASSETS (a + b) | | 319 | 1,874 | 218 | 2,411 | 237 | 1,402 | 130 | 1,769 |
| a UNDER MILITARY CONTROL | | 239 | 1,611 | 35 | 1,885 | 236 | 1,146 | 99 | 1,481 |
| (1) HOUSED IN EXISTING DOD OWNED/CONTROLLED | | 239 | 1,611 | 35 | 1,885 | 236 | 1,146 | 99 | 1,481 |
| (2) UNDER CONTRACT/APPROVED | | | | | | 0 | 0 | 0 | 0 |
| (3) VACANT | | 0 | 0 | 0 | 0 | | | | |
| (4) INACTIVE | | 0 | 0 | 0 | 0 | | | | |
| b PRIVATE HOUSING | | 80 | 263 | 183 | 526 | 1 | 256 | 31 | 288 |
| (1) ACCEPTABLY HOUSED | | 80 | 263 | 183 | 526 | | | | |
| (2) ACCEPTABLE VACANT RENTAL | | 0 | 0 | 0 | 0 | | | | |
| 13 EFFECTIVE HOUSING DEFICIT | | 106 | 289 | 55 | 450 | 0 | 0 | 47 | 47 |
| 14 PROPOSED PROJECT | | | | | | 0 | 0 | 42 | 42 |
| 15. REMARKS | | 12 a (1) Current Subsequent to HMA, 47 E9-E4 units redesignated E3-E1 12 a (1) Projected Changes from current due to disposal of 443 units (Walking Shield) by FY99, construction of 60 units in FY97, demolition of 58 units in FY98, and construction of 37 units in FY98 14: This project demolishes 366 units and replaces 42 | | | | | | | |

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|---|---|------|-----|----------|--------------------|-------|-----------------|-----------------|----------------|-----------------------------|---------|--|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | | 2. DATE | |
| AIR FORCE | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | 4. COMMAND | | | | | 5. AREA CONST COST INDEX | | |
| MINOT AIR FORCE BASE, NORTH DAKOTA | | | | | AIR COMBAT COMMAND | | | | | 1.08 | | |
| 6. PERSONNEL STRENGTH | PERMANENT | | | STUDENTS | | | SUPPORTED | | | TOTAL | | |
| | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | | | |
| a. As of 30 SEP 95 | 725 | 4455 | 549 | | | | 3 | 5 | 70 | 5,807 | | |
| b. End FY 2001 | 720 | 4432 | 554 | | | | 3 | 5 | 70 | 5,784 | | |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | | |
| a. Total Acreage: (5,383) | | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 95) 300,655 | | | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: 11,250 | | | | | | | | | | | | |
| d. Authorization Requested In This Program: 10,756 | | | | | | | | | | | | |
| e. Authorization Included In Following Program: (FY 2001) 12,750 | | | | | | | | | | | | |
| f. Planned In Next Four Program Years: 23,100 | | | | | | | | | | | | |
| g. Remaining Deficiency: 74,150 | | | | | | | | | | | | |
| h. Grand Total: 432,661 | | | | | | | | | | | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | | |
| CATEGORY | | | | | | | | | | | | |
| CODE | PROJECT TITLE | | | | | SCOPE | COST (\$000) | DESIGN START | STATUS CMPL | | | |
| 711-142 | REPLACE MILITARY FAMILY HOUSING (PH 6) | | | | | 72 UN | 10,756 | TURN KEY | | | | |
| | | | | | | | TOTAL: | 10,756 | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) | | | | | | | | | | | | |
| 711-142 | REPLACE MILITARY FAMILY HOUSING (PH 7) | | | | | 88 UN | 12,750 | | | | | |
| | | | | | | | TOTAL: | 12,750 | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | | |
| 711-142 | REPLACE MILITARY FAMILY HOUSING (PHASE 8) | | | | | 70 UN | 10,900 | | | | | |
| 711-142 | REPLACE MILITARY FAMILY HOUSING (PHASE 9) | | | | | 77 UN | 12,200 | | | | | |
| 9c. Real Property Maintenance Backlog This Installation 43,200 | | | | | | | | | | | | |
| 10. Mission or Major Functions: A bomb wing with one B-52H squadron and an Air Force Space Command missile group with three Minuteman III intercontinental ballistic missile squadrons and HH-1H aircraft, converting to UH-1Ns in FY 96/4. | | | | | | | | | | | | |

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|---|------------------|--|--|-----------|--------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE | |
| AIR FORCE | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| MINOT AIR FORCE BASE, NORTH DAKOTA | | | REPLACE MILITARY FAMILY HOUSING (PH 6) | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST(\$000) | | |
| 8.87.41 | 711-142 | QJVF009009 | Auth: | 10,756 | |
| | | | Appr: | 2,912 | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| REPLACE MILITARY FAMILY HOUSING PH 6 | | UN | 72 | 100,257 | 7,218 |
| SUPPORTING FACILITIES | | | | | 2,473 |
| ROADS AND PAVING | | LS | | | (856) |
| UTILITIES | | LS | | | (775) |
| LANDSCAPING | | LS | | | (81) |
| GARAGES, STORAGE, CIRCULATION SPACE | | LS | | | (500) |
| DEMOLITION & ENVIRONMENTAL (ASB&LBP) | | LS | | | (261) |
| SUBTOTAL | | | | | 9,691 |
| CONTINGENCY (5%) | | | | | 485 |
| TOTAL CONTRACT COST | | | | | 10,176 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 580 |
| TOTAL REQUEST | | | | | 10,756 |
| AREA COST FACTOR | | 1.08 | | | |
| 10. Description of Proposed Construction: Replace 72 housing units. Includes demolition, site clearing, upgrade utility systems and roads, and design and construction of duplex family units. Includes excavation and basements. Provides amenities including appliances, garages, parking, air conditioning, patios, privacy fences, 28SM per unit artic recreation room and neighborhood playgrounds. Includes asbestos and lead paint disposal | | | | | |
| | NET | PROJECT | \$/ | NO. | |
| UNIT TYPE | AREA | FACTOR | NSM | UNITS | TOTAL COST |
| JRENL 3BR | 111 | 1.08 | 808 | 52 | 5,036,878 |
| JRENL 4BR | 125 | 1.08 | 808 | 12 | 1,308,960 |
| SNCO 3BR | 125 | 1.08 | 808 | 8 | 872,640 |
| | | | | 72 | 7,218,478 |
| 11. REQUIREMENT: 2,747 UN ADEQUATE: 668 UN SUBSTANDARD: 2,076 UN PROJECT: Replace Military Family Housing (Ph 6). (Current Mission) REQUIREMENT: This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. This project is required to provide modern and efficient replacement housing for military members and their dependents stationed at Minot AFB. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. This is the sixth phase of a multiple phase initiative to provide adequate housing for base personnel. Neighborhood support infrastructure will be upgraded to meet modern housing needs. Climatic and site conditions require special | | | | | |

| | | |
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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA | | |
| 4. PROJECT TITLE REPLACE MILITARY FAMILY HOUSING (PH 6) | 5. PROJECT NUMBER QJVF009009 | |
| <p>consideration be given to foundations and basements.</p> <p><u>CURRENT SITUATION:</u> This project replaces appropriated housing units which were constructed in 1964 and are showing the effects of age and continuous heavy use. They have had no major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Walls, basements, and foundations require major repair or replacement due to the effects of age and the environment. Wall insulation is inadequate. Foundations and pavements are showing signs of failure due to settlement. Plumbing and electrical systems are outdated and do not meet current standards for efficiency or safety. Housing interiors are generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Kitchens have inadequate storage and counter space, cabinets are old and unsightly, countertops and sinks are badly worn. Flooring throughout the house is outdated. The units lack finished arctic recreation rooms authorized for climatic conditions. Electrical circuits do not meet National Electric Code requirements. Lighting systems throughout the houses are inefficient and do not meet modern needs. Heating and air conditioning systems require upgrade or replacement. Exteriors lack neighborhood landscaping and covered patios. Off street parking is severely limited. This project demolishes and replaces 72 existing units.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Air Force members and their families will continue to live in extremely outdated and unsuitable housing. The housing will continue to deteriorate with age, resulting in increased maintenance and repair costs, increased inconvenience to the occupants, and will ultimately become uninhabitable. Piecemeal repairs will continue to be accomplished with little or no substantive improvement in occupant quality of life. These conditions will have an adverse impact on morale and degrade mission execution.</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement construction was found to be the most cost efficient over the life of the project. Improvement costs represent 89% of the replacement cost estimates. An energy evaluation/life-cycle cost analysis was performed in support of the design of the proposed facility. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. The construction agent for this project is the Omaha District Army Corp of Engineers resulting in a SIOH cost of 5.7 percent. Base Civil Engineer: Lt Col Wright, (701) 723-2434.</p> | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA | | |
| 4. PROJECT TITLE REPLACE MILITARY FAMILY HOUSING (PH 6) | 5. PROJECT NUMBER QJVF009009 | |
| 12. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Project to be accomplished by design-build procedures (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Design Allowance 225 (4) Construction Start 00 APR (5) Construction Completion 00 (6) Energy Study/Life-Cycle analysis was/will be performed b. Equipment associated with this project will be provided from other appropriations: N/A | | |

| | | | | | | | | | |
|--|--|--|--------------|----------------|-----------------------|----------------------------|---|----------------|--------------|
| MILITARY FAMILY HOUSING JUSTIFICATION | | 1 DATE OF REPORT | | | 2 FISCAL YEAR 2000 | | REPORT CONTROL SYMBOL DD-A&L(AR)1716 | | |
| 3. DOD COMPONENT AIR FORCE | | 4. REPORTING INSTALLATION a NAME Minot AFB | | | | b LOCATION North Dakota | | | |
| 5 DATA AS OF 1997 | | | | | | | | | |
| ANALYSIS OF REQUIREMENTS AND ASSETS | | CURRENT | | | | PROJECTED | | | |
| | | OFFICER (a) | E9-E4 (b) | E3 - E1 (c) | TOTAL (d) | OFFICER (e) | E9 -E4 (f) | E3 - E1 (g) | TOTAL (h) |
| 6. TOTAL PERSONNEL STRENGTH | | 639 | 2,886 | 1,183 | 4,708 | 636 | 2,758 | 1,162 | 4,556 |
| 7. PERMANENT PARTY PERSONNEL | | 639 | 2,886 | 1,183 | 4,708 | 636 | 2,758 | 1,162 | 4,556 |
| 8 GROSS FAMILY HOUSING REQUIREMENTS | | 436 | 2,092 | 357 | 2,885 | 432 | 2,002 | 351 | 2,785 |
| 9. TOTAL UNACCEPTABLY HOUSED (a + b + c) | | 0 | 91 | 1 | 92 | | | | |
| a INVOLUNTARILY SEPARATED | | 0 | 0 | 0 | 0 | | | | |
| b IN MILITARY HOUSING TO BE DISPOSED/REPLACED | | 0 | 80 | 0 | 80 | | | | |
| c UNACCEPTABLE HOUSED IN COMMUNITY | | 0 | 11 | 1 | 12 | | | | |
| 10 VOLUNTARY SEPARATIONS | | 2 | 23 | 14 | 39 | 2 | 22 | 14 | 38 |
| 11 EFFECTIVE HOUSING REQUIREMENTS | | 434 | 2,069 | 343 | 2,846 | 430 | 1,980 | 337 | 2,747 |
| 12. HOUSING ASSETS (a + b) | | 434 | 1,978 | 342 | 2,754 | 430 | 1,898 | 336 | 2,664 |
| a UNDER MILITARY CONTROL | | 434 | 1,636 | 284 | 2,354 | 430 | 1,635 | 289 | 2,354 |
| (1) HOUSED IN EXISTING DOD OWNED/CONTROLLED | | 434 | 1,636 | 284 | 2,354 | 430 | 1,635 | 289 | 2,354 |
| (2) UNDER CONTRACT/APPROVED | | | | | | 0 | 0 | 0 | 0 |
| (3) VACANT | | 0 | 0 | 0 | 0 | | | | |
| (4) INACTIVE | | 0 | 0 | 0 | 0 | | | | |
| b PRIVATE HOUSING | | 0 | 342 | 58 | 400 | 0 | 263 | 47 | 310 |
| (1) ACCEPTABLY HOUSED | | 0 | 342 | 58 | 400 | | | | |
| (2) ACCEPTABLE VACANT RENTAL | | 0 | 0 | 0 | 0 | | | | |
| 13 EFFECTIVE HOUSING DEFICIT | | 0 | 91 | 1 | 92 | 0 | 82 | 1 | 83 |
| 14 PROPOSED PROJECT | | | | | | 0 | 72 | 0 | 72 |
| 15 REMARKS | | | | | | | | | |

| | | | | | | | | | | | |
|--|--|---|------|-------|---------------------------------------|--------------|-----|--------------------|---------|-------------|--------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | 2. DATE | | |
| AIR FORCE | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | 4. COMMAND | | | 5. AREA CONST | | | |
| LACKLAND AIR FORCE BASE, TEXAS | | | | | AIR EDUCATION AND TRAINING COMMAND | | | COST INDEX 0.82 | | | |
| 6. PERSONNEL | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | |
| STRENGTH | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL |
| a. As of 30 SEP 98 | | 1748 | 4784 | 2549 | 68 | 5140 | | 62 | 1756 | 25 | 16,132 |
| b. End FY 2005 | | 1765 | 5202 | 3253 | 78 | 5663 | | 62 | 1756 | 25 | 17,804 |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | |
| a. Total Acreage: (2,753) | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) 564,253 | | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: 0 | | | | | | | | | | | |
| d. Authorization Requested In This Program: 7,500 | | | | | | | | | | | |
| e. Authorization Included In Following Program: (FY 2001) 0 | | | | | | | | | | | |
| f. Planned In Next Four Program Years: 8,100 | | | | | | | | | | | |
| g. Remaining Deficiency: 0 | | | | | | | | | | | |
| h. Grand Total: 579,853 | | | | | | | | | | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | |
| CATEGORY | | PROJECT TITLE | | SCOPE | | COST (\$000) | | DESIGN START | | STATUS CMPL | |
| 711-142 | | REPLACE MILITARY FAMILY HOUSING, PHASE 3 | | 48 UN | | 7,500 | | OCT 98 | | MAY 99 | |
| | | | | | | TOTAL: | | | | 7,500 | |
| 9a. Future Projects: Included in the Following Program (FY 2001) NONE | | | | | | | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | |
| 711-142 | | REPLACE MILITARY FAMILY HOUSING (PHASE 4) | | 48 UN | | 8,100 | | | | | |
| 9c. Real Property Maintenance Backlog This Installation | | | | | | | | | | 102,700 | |
| 10. Mission or Major Functions: A training wing which includes Basic Military Training School, Air Force Security Forces Center, and security forces, cryptographic maintenance, recruiting, and Air Force and Navy food service courses; Defense Language Institute, English Language Center; Department of Defense Military Working Dog Training Agency; Inter-American Air Forces Academy, 433rd Contingency Hospital and a major Air Force medical center. | | | | | | | | | | | |

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|---|--|--|--|-------------------------|--------------|-------------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE | |
| AIR FORCE | | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | | |
| LACKLAND AIR FORCE BASE, TX | | | REPLACE MILITARY FAMILY HOUSING, PHASE 3 | | | |
| 5. PROGRAM ELEMENT | | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 8.87.41 | | 711-142 | MPLS004005 | Auth: | 7,500 | |
| | | | | Appr: | 2,030 | |
| 9. COST ESTIMATES | | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) | |
| REPLACE MILITARY FAMILY HSG, PHASE 3 | | UN | 48 | 72,443 | 3,477 | |
| SUPPORTING FACILITIES | | | | | 3,293 | |
| SITE PREPARATION | | LS | | | (317) | |
| ROADS AND PAVING | | LS | | | (701) | |
| UTILITIES | | LS | | | (780) | |
| LANDSCAPING | | LS | | | (118) | |
| RECREATION | | LS | | | (118) | |
| DEMO, ASBESTOS, LBP, & GARAGES/STORAGE | | LS | | | (1,259) | |
| SUBTOTAL | | | | | 6,770 | |
| CONTINGENCY (5%) | | | | | 339 | |
| TOTAL CONTRACT COST | | | | | 7,109 | |
| SUPERVISION, INSPECTION AND OVERHEAD (5.5%) | | | | | 391 | |
| TOTAL REQUEST | | | | | 7,500 | |
| AREA COST FACTOR | | | .82 | | | |
| 10. Description of Proposed Construction: Replace 48 housing units. Includes demolition of 52 existing units and site clearing. Construction of new utility systems, roads, and perimeter fences. Provides normal amenities to include parking, a/c, patios, and privacy fencing, playground, & rec areas. Includes demo, asbestos/LBP removal. | | | | | | |
| | | NET | PROJECT | \$/ | NO. | |
| <u>UNIT TYPE</u> | | <u>AREA</u> | <u>FACTOR</u> | <u>NSM</u> | <u>UNITS</u> | <u>TOTAL COST</u> |
| JNCO 2BR | | 88 | .85 | 808 | 24 | 1,450,522 |
| JNCO 3BR | | 111 | .85 | 808 | 13 | 991,052 |
| JNCO 4BR | | 125 | .85 | 808 | 4 | 343,400 |
| JNCO 5BR | | 144 | .85 | 808 | 7 | 692,294 |
| | | | | | 48 | 3,477,268 |
| 11. REQUIREMENT: 7,415 UN ADEQUATE: 5,672 UN SUBSTANDARD: 1,201 UN PROJECT: Replace Military Family Housing (Phase 3). (Current Mission). REQUIREMENT: This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. This project is required to provide modern and efficient replacement housing for military members and their dependents stationed at Lackland AFB. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. The basic neighborhood support infrastructure will be upgraded to meet modern housing needs to include landscaping and playgrounds. CURRENT SITUATION: This project demolishes 52 housing units to facilitate | | | | | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| AIR FORCE | | |
| 3. INSTALLATION AND LOCATION | | |
| LACKLAND AIR FORCE BASE, TX | | |
| 4. PROJECT TITLE | 5. PROJECT NUMBER | |
| REPLACE MILITARY FAMILY HOUSING, PHASE 3 | MPLS004005 | |
| <p>the road and utility expansions, and construct 48 new housing units. The existing units were constructed in 1950. The 50-year-old houses are showing the effects of age and continued heavy use. They have had no major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Roofs, walls, foundations, and exterior pavements require major repair or replacement owing to the effects of age and the environment. Roof and wall structures show signs of rot and extensive termite damage; leaks have made already inadequate (by today's standards) insulation even less effective. Foundation and pavements are showing signs of failure owing to settlement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Housing interiors are generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Kitchens have inadequate storage and counterspace, cabinets are old, and countertops and sinks are badly worn. Flooring throughout the house is worn out, and contains evidence of asbestos. Plumbing and electrical systems do not meet modern building codes. There is no ground fault interrupter circuit protection, and many electrical outlets lack grounding protection. Lighting, heating, and air conditioning systems throughout the houses are inefficient and require replacement.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Major morale problems will result if this initiative is not supported. Families will continue to live in unsuitable housing. The housing will continue to be occupied until it becomes totally uninhabitable because adequate, affordable off-base housing is not available. The current Housing Market Analysis shows an off-base housing deficit of 490 units. Without this and subsequent phases of this initiative, costly piecemeal repairs will continue, with no improvement in the living quality.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. The cost to improve this housing is 81% of the replacement cost. Since this is replacement housing and there are more units demolished than constructed, there will be no increase in the student population or impact on the ability of the local school district to support base dependents.</p> <p>Base Civil Engineer: Lt Col Larry W. Brittenham, (210) 671-2977.</p> | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---------|-------------------------|-----------|---|---|-------------------------------------|-----|------------------------|-----------|--------------------------|-----------|--|--|-------------------------------------|----|---|-----|--|-----|----------------------------|----|-----------|-----|--------------|-----|--------------|--|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AIR FORCE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LACKLAND AIR FORCE BASE, TX | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. PROJECT TITLE | 5. PROJECT NUMBER | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| REPLACE MILITARY FAMILY HOUSING, PHASE 3 | MPLS004005 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table data-bbox="370 552 1398 741"> <tr> <td>(a) Date Design Started</td> <td>98 OCT 10</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>N</td> </tr> <tr> <td>(c) Percent Complete as of Jan 1999</td> <td>35%</td> </tr> <tr> <td>(d) Date 35% Designed.</td> <td>98 DEC 18</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>99 MAY 28</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td></td> </tr> </table> <p>(2) Basis:</p> <table data-bbox="370 804 1317 867"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td>N/A</td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table data-bbox="370 930 1398 1087"> <tr> <td>(a) Production of Plans and Specifications</td> <td>150</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>75</td> </tr> <tr> <td>(c) Total</td> <td>225</td> </tr> <tr> <td>(d) Contract</td> <td>225</td> </tr> <tr> <td>(e) In-house</td> <td></td> </tr> </table> <p>(4) Construction Start 00 MAY</p> <p>(5) Construction Completion 00</p> <p>b. Equipment associated with this project will be provided from other appropriations: N/A</p> | | | (a) Date Design Started | 98 OCT 10 | (b) Parametric Cost Estimates used to develop costs | N | (c) Percent Complete as of Jan 1999 | 35% | (d) Date 35% Designed. | 98 DEC 18 | (e) Date Design Complete | 99 MAY 28 | (f) Energy Study/Life-Cycle analysis was/will be performed | | (a) Standard or Definitive Design - | NO | (b) Where Design Was Most Recently Used - | N/A | (a) Production of Plans and Specifications | 150 | (b) All Other Design Costs | 75 | (c) Total | 225 | (d) Contract | 225 | (e) In-house | |
| (a) Date Design Started | 98 OCT 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Parametric Cost Estimates used to develop costs | N | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Percent Complete as of Jan 1999 | 35% | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (d) Date 35% Designed. | 98 DEC 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) Date Design Complete | 99 MAY 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (f) Energy Study/Life-Cycle analysis was/will be performed | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Standard or Definitive Design - | NO | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) Where Design Was Most Recently Used - | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (a) Production of Plans and Specifications | 150 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (b) All Other Design Costs | 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (c) Total | 225 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (d) Contract | 225 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (e) In-house | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|--|--|---------------------------|--------------|----------------|-----------------------|----------------|---|----------------|--------------|
| MILITARY FAMILY HOUSING JUSTIFICATION | | 1 DATE OF REPORT | | | 2 FISCAL YEAR 2000 | | REPORT CONTROL SYMBOL DD-A&L(AR)1716 | | |
| 3 DOD COMPONENT AIR FORCE | | 4. REPORTING INSTALLATION | | | | | | | |
| 5 DATA AS OF Apr-97 | | a. NAME LACKLAND AFB | | | b LOCATION TEXAS | | | | |
| ANALYSIS OF REQUIREMENTS AND ASSETS | | CURRENT | | | | PROJECTED | | | |
| | | OFFICER (a) | E9-E4 (b) | E3 - E1 (c) | TOTAL (d) | OFFICER (e) | E9 -E4 (f) | E3 - E1 (g) | TOTAL (h) |
| 6 TOTAL PERSONNEL STRENGTH | | 1,820 | 3,806 | 905 | 6,531 | 2,728 | 7,750 | 1,819 | 12,297 |
| 7. PERMANENT PARTY PERSONNEL | | 1,820 | 3,806 | 905 | 6,531 | 2,728 | 7,750 | 1,819 | 12,297 |
| 8 GROSS FAMILY HOUSING REQUIREMENTS | | 1,428 | 2,668 | 25 | 4,121 | 2,141 | 5,424 | 75 | 7,640 |
| 9. TOTAL UNACCEPTABLY HOUSED (a + b + c) | | 29 | 48 | 0 | 77 | | | | |
| a INVOLUNTARILY SEPARATED | | 0 | 0 | 0 | 0 | | | | |
| b IN MILITARY HOUSING TO BE DISPOSED/REPLACED | | 0 | 48 | 0 | 48 | | | | |
| c UNACCEPTABLE HOUSED IN COMMUNITY | | 29 | 0 | 0 | 29 | | | | |
| 10. VOLUNTARY SEPARATIONS | | 33 | 87 | 0 | 120 | 47 | 178 | 0 | 225 |
| 11. EFFECTIVE HOUSING REQUIREMENTS | | 1,395 | 2,581 | 37 | 4,013 | 2,094 | 5,246 | 75 | 7,415 |
| 12. HOUSING ASSETS (a + b) | | 1,366 | 3,022 | 48 | 4,436 | 1,978 | 4,893 | 54 | 6,925 |
| a UNDER MILITARY CONTROL | | 108 | 560 | 7 | 675 | 139 | 1,103 | 11 | 1,253 |
| (1) HOUSED IN EXISTING DOD OWNED/CONTROLLED | | 108 | 560 | 7 | 675 | 139 | 1,053 | 11 | 1,203 |
| (2) UNDER CONTRACT/APPROVED | | | | | | 0 | 50 | 0 | 50 |
| (3) VACANT | | 0 | 0 | 0 | 0 | | | | |
| (4) INACTIVE | | 0 | 0 | 0 | 0 | | | | |
| b PRIVATE HOUSING | | 1,258 | 2,462 | 41 | 3,761 | 1,839 | 3,790 | 43 | 5,672 |
| (1) ACCEPTABLY HOUSED | | 1,258 | 1,973 | 18 | 3,249 | | | | |
| (2) ACCEPTABLE VACANT RENTAL | | 0 | 489 | 23 | 512 | | | | |
| 13 EFFECTIVE HOUSING DEFICIT | | 29 | (441) | (11) | (423) | 116 | 353 | 21 | 490 |
| 14 PROPOSED PROJECT | | | | | | 0 | 48 | 0 | 48 |
| 15 REMARKS | | | | | | | | | |

| | | | | | | | | | | | | |
|--|---|-----------|-----|-----|----------|--------------------|---------|-----------|-----------------------------|---------|-------|--|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROGRAM (computer generated) | | | | | | | | | 2. DATE | | |
| AIR FORCE | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | | 4. COMMAND | | | 5. AREA CONST COST INDEX | | | |
| LAJES FIELD, AZORES, PORTUGAL | | | | | | AIR COMBAT COMMAND | | | 1.23 | | | |
| 6. PERSONNEL STRENGTH | | PERMANENT | | | STUDENTS | | | SUPPORTED | | | | |
| | | OFF | ENL | CIV | OFF | ENL | CIV | OFF | ENL | CIV | TOTAL | |
| a. As of 30 SEP 98 | | 96 | 882 | 705 | | | | 26 | 109 | 144 | 1,962 | |
| b. End FY 2005 | | 96 | 906 | 702 | | | | 26 | 109 | 144 | 1,983 | |
| 7. INVENTORY DATA (\$000) | | | | | | | | | | | | |
| a. Total Acreage: (944) | | | | | | | | | | | | |
| b. Inventory Total As Of: (30 SEP 98) 138,018 | | | | | | | | | | | | |
| c. Authorization Not Yet In Inventory: 0 | | | | | | | | | | | | |
| d. Authorization Requested In This Program: 12,964 | | | | | | | | | | | | |
| e. Authorization Included In Following Program: (FY 2001) 0 | | | | | | | | | | | | |
| f. Planned In Next Four Program Years: 0 | | | | | | | | | | | | |
| g. Remaining Deficiency: 0 | | | | | | | | | | | | |
| h. Grand Total: 150,982 | | | | | | | | | | | | |
| 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 2000 | | | | | | | | | | | | |
| CATEGORY | | | | | | | COST | DESIGN | STATUS | | | |
| CODE | PROJECT TITLE | SCOPE | | | | | (\$000) | START | CMPL | | | |
| 711-142 | REPLACE MILITARY FAMILY HOUSING (PH 1) | 75 UN | | | | | 12,964 | AUG 98 | MAY 99 | | | |
| | | | | | | TOTAL: | 12,964 | | | | | |
| 9a. Future Projects: Included in the Following Program (FY 2001) NONE | | | | | | | | | | | | |
| 9b. Future Projects: Typical Planned Next Four Years: | | | | | | | | | | | | |
| 9c. Real Property Maintenance Backlog This Installation 7,140 | | | | | | | | | | | | |
| 10. Mission or Major Functions: The host air base wing has no permanently assigned force structure but provides en route support to transiting aircraft and hosts Headquarters US Forces Azores. Lajes Field serves as a logistical bridge to Europe, Africa, and Southwest Asia by providing a ground refueling and stop-over capability, functioning as a tanker staging location for in-flight refueling and serving as a primary divert base for deploying aircraft. | | | | | | | | | | | | |

| | | | | | | |
|---|------------------|--|-------------------------|--|--------------|------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE | |
| AIR FORCE | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | 4. PROJECT TITLE | | |
| LAJES FIELD, AZORES, PORTUGAL | | | | REPLACE MILITARY FAMILY HOUSING (PH 1) | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | | |
| 8.87.41 | 711-142 | MQNA003003 | Auth: | 12,964 | | |
| | | | Appr: | 3,509 | | |
| 9. COST ESTIMATES | | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) | |
| REPLACE MILITARY FAMILY HOUSING | | UN | 75 | 124,764 | 9,357 | |
| SUPPORTING FACILITIES | | | | | 2,290 | |
| ROADS AND PAVING | | LS | | | (662) | |
| UTILITIES | | LS | | | (665) | |
| LANDSCAPING AND RECREATION | | LS | | | (66) | |
| GARAGES, STORAGE AND CIRCULATION SPACE | | LS | | | (273) | |
| DEMOLITION & ENVIRONMENTAL (LBP/ASB) | | LS | | | (624) | |
| SUBTOTAL | | | | | 11,647 | |
| CONTINGENCY (5%) | | | | | 582 | |
| TOTAL CONTRACT COST | | | | | 12,229 | |
| SUPERVISION, INSPECTION AND OVERHEAD (6%) | | | | | 734 | |
| TOTAL REQUEST | | | | | 12,964 | |
| AREA COST FACTOR | | 1.23 | | | | |
| 10. Description of Proposed Construction: Replace 75 housing units. Includes demolition, site clearing, replacement/upgrade of utility systems and roads, and design and construction of multiplex family housing units. Provides normal amenities to include appliances, storage, off-street parking, patios, privacy fencing, landscaping, and neighborhood playgrounds. Includes asbestos and lead paint disposal. | | | | | | |
| | UNIT TYPE | NET AREA | PROJECT FACTOR | \$/NSM | NO. UNITS | TOTAL COST |
| | JNCO 3BR | 111 | 1.22 | 829 | 14 | 1,571,685 |
| | JNCO 4BR | 125 | 1.22 | 829 | 9 | 1,137,803 |
| | CGO 3BR | 125 | 1.22 | 829 | 44 | 5,562,590 |
| | CGO 4BR | 135 | 1.22 | 829 | 1 | 136,536 |
| | FGO 3BR | 130 | 1.22 | 829 | 5 | 657,397 |
| | FGO 4BR | 144 | 1.22 | 829 | 2 | 291,277 |
| | | | | | 75 | 9,357,288 |
| 11. REQUIREMENT: 561 UN ADEQUATE: 76 UN SUBSTANDARD: 455 UN PROJECT: Replace Military Family Housing (Ph 1) (Current Mission). REQUIREMENT: This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. This project is required to provide modern and efficient housing for military members and their dependents stationed at Lajes Field. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. The basic | | | | | | |

| | | |
|---|--|---------|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION LAJES FIELD, AZORES, PORTUGAL | | |
| 4. PROJECT TITLE REPLACE MILITARY FAMILY HOUSING (PH 1) | 5. PROJECT NUMBER MQNA003003 | |
| <p>neighborhood support infrastructure will be upgraded to meet modern housing needs.</p> <p><u>CURRENT SITUATION:</u> This project replaces 40 housing units constructed in 1952, and 35 mobile home units constructed in the early 1970s and relocated to Lajes from Grand Forks AFB,ND in 1982. The units are showing the effects of age, continuous heavy use, and harsh climatic conditions. These units have become structurally unsound and some have already been demolished to ensure personnel safety. Floors are sagging and failing and the flat roofs leak routinely. The 1950s era units also have significant structural deficiencies as a result of poor drainage, leaking windows and doors, and heavy rains routinely driven by hurricane force winds. Wall studs are rotting and continue to deteriorate despite repairs and preventive measures. Roofs, floors, and pavements require extensive repairs or replacement. Plumbing, electrical, and mechanical systems are antiquated, require abnormal maintenance and repair, and do not meet current standards for efficiency or safety. Sinks, tubs, and sanitary lines drain exceptionally slow resulting in health hazards. Sewer pipe scaling has significantly reduced system capacity resulting in routine backups. Electrical systems lack ground fault circuits in bathrooms and kitchens and exterior outlets, and breakers routinely trip. Mechanical systems are shared by adjacent units resulting in inefficient operation and migration of odors from pets, smoking, and cooking between the units. This presents a serious health and safety issue, and could help spread smoke and fire in the event of an emergency. Housing interiors are generally inadequate by modern standards. Bathrooms are small and fixtures outdated. Kitchens have inadequate storage and counter space, cabinets are old and unsightly, and sinks and counters are badly worn.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Air Force members and their families will continue to live in inadequate housing. The remaining housing will continue to deteriorate with age, resulting in increasing maintenance and repair costs, and extreme inconvenience to the occupants. Piecemeal repairs will continue to be accomplished with little or no substantive improvement in occupant quality of life. Units will continue to structurally fail, exposing occupants to serious safety hazards. The resulting eviction of occupants will further impact morale and reduce mission readiness.</p> <p><u>ADDITIONAL:</u> Since this is replacement housing, there will be no impact on the student population or the ability of local schools to support dependent students. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. The improvement cost option is 77% of the replacement cost. An energy evaluation/life-cycle cost analysis was performed in support of the design of the proposed facility. This project is not eligible for NATO funding. The construction agent for this project is Naval Facilities Engineering Command resulting in SIOH costs of 6 percent. Base Civil Engineer: Lt Col Gaffney 011-351-95-540100 ext 6113.</p> | | |

| | | |
|---|--|-------------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| AIR FORCE | | |
| 3. INSTALLATION AND LOCATION | | |
| LAJES FIELD, AZORES, PORTUGAL | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER |
| REPLACE MILITARY FAMILY HOUSING (PH 1) | | MQNA003003 |
| 12. SUPPLEMENTAL DATA: | | |
| a. Estimated Design Data: | | |
| (1) Status: | | |
| (a) Date Design Started | | 98 AUG 10 |
| (b) Parametric Cost Estimates used to develop costs | | N |
| (c) Percent Complete as of Jan 1999 | | 35% |
| (d) Date 35% Designed. | | 98 DEC 18 |
| (e) Date Design Complete | | 99 MAY 28 |
| (f) Energy Study/Life-Cycle analysis was/will be performed | | |
| (2) Basis: | | |
| (a) Standard or Definitive Design - | | NO |
| (b) Where Design Was Most Recently Used - | | N/A |
| (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) | | |
| (a) Production of Plans and Specifications | | 200 |
| (b) All Other Design Costs | | 100 |
| (c) Total | | 300 |
| (d) Contract | | 300 |
| (e) In-house | | |
| (4) Construction Start | | 00 APR |
| (5) Construction Completion | | 00 |
| b. Equipment associated with this project will be provided from other appropriations: N/A | | |

| MILITARY FAMILY HOUSING JUSTIFICATION | | 1. DATE OF REPORT | | | 2. FISCAL YEAR 2000 | | REPORT CONTROL SYMBOL DD-A&L(AR)1716 | | |
|--|--|---------------------------|--------------|----------------|------------------------|----------------|---|----------------|--------------|
| 3. DOD COMPONENT AIR FORCE | | 4. REPORTING INSTALLATION | | | | | | | |
| 5 DATA AS OF 1996 | | a. NAME Lajes Field | | | b. LOCATION Azores | | | | |
| ANALYSIS OF REQUIREMENTS AND ASSETS | | CURRENT | | | | PROJECTED | | | |
| | | OFFICER (a) | E9-E4 (b) | E3 - E1 (c) | TOTAL (d) | OFFICER (e) | E9 -E4 (f) | E3 - E1 (g) | TOTAL (h) |
| 6 TOTAL PERSONNEL STRENGTH | | 101 | 784 | 86 | 971 | 101 | 784 | 86 | 971 |
| 7. PERMANENT PARTY PERSONNEL | | 101 | 784 | 86 | 971 | 101 | 784 | 86 | 971 |
| 8. GROSS FAMILY HOUSING REQUIREMENTS | | 81 | 462 | 18 | 561 | 81 | 462 | 18 | 561 |
| 9. TOTAL UNACCEPTABLY HOUSED (a + b + c) | | 59 | 48 | 0 | 107 | | | | |
| a INVOLUNTARILY SEPARATED | | 0 | 0 | 0 | 0 | | | | |
| b IN MILITARY HOUSING TO BE DISPOSED/REPLACED | | 52 | 23 | 0 | 75 | | | | |
| c UNACCEPTABLE HOUSED IN COMMUNITY | | 7 | 25 | 0 | 32 | | | | |
| 10. VOLUNTARY SEPARATIONS | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11. EFFECTIVE HOUSING REQUIREMENTS | | 81 | 462 | 18 | 561 | 81 | 462 | 18 | 561 |
| 12. HOUSING ASSETS (a + b) | | 22 | 414 | 18 | 454 | 21 | 417 | 18 | 456 |
| a UNDER MILITARY CONTROL | | 13 | 350 | 17 | 380 | 13 | 350 | 17 | 380 |
| (1) HOUSED IN EXISTING DOD OWNED/CONTROLLED | | 13 | 350 | 17 | 380 | 13 | 350 | 17 | 380 |
| (2) UNDER CONTRACT/APPROVED | | | | | | 0 | 0 | 0 | 0 |
| (3) VACANT | | 0 | 0 | 0 | 0 | | | | |
| (4) INACTIVE | | 0 | 0 | 0 | 0 | | | | |
| b PRIVATE HOUSING | | 9 | 64 | 1 | 74 | 8 | 67 | 1 | 76 |
| (1) ACCEPTABLY HOUSED | | 9 | 64 | 1 | 74 | | | | |
| (2) ACCEPTABLE VACANT RENTAL | | 0 | 0 | 0 | 0 | | | | |
| 13. EFFECTIVE HOUSING DEFICIT | | 59 | 48 | 0 | 107 | 60 | 45 | 0 | 105 |
| 14 PROPOSED PROJECT | | | | | | 52 | 23 | 0 | 75 |
| 15 REMARKS | | | | | | | | | |

| | | | | |
|--|---|------------------|--|-----------------|
| 1 COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | | 2 DATE |
| 3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES | | | 4 PROJECT TITLE FAMILY HOUSING SUPERVISION, INSPECTION, AND OVERHEAD | |
| 5 PROGRAM ELEMENT | 6 CATEGORY CODE | 7 PROJECT NUMBER | 8 PROJECT COST (\$000) Auth - Appr: -1,033 | |
| 9. COST ESTIMATE | | | | |
| ITEM | U/M | QUANTITY | UNIT COST | CCST (\$000) |
| FAMILY HOUSING SUPERVISION, INSPECTION, AND OVERHEAD | | | | |
| NEW CONSTRUCTION | LS | | | -1,033 |
| SUBTOTAL | LS | | | -1,033 |
| TOTAL CONTRACT COST | LS | | | -1,033 |
| TOTAL REQUEST | | | | -1,033 |
| 10 DESCRIPTION OF PROPOSED CONSTRUCTION: The funds requested will be used to finance the Supervision, Inspection, and Overhead (SIOH) associated with the Air Force Family Housing New Construction funded projects which will be executed in Budget Activity 4. | | | | |

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2000 BUDGET REQUEST

FY 2000 POST ACQUISITION CONSTRUCTION

Program (In Thousands)
FY 2000 Program \$ 34,280
FY 1999 Program \$104,108

Purpose and Scope

The Air Force operates approximately 110,000 family housing units for FY 2000. The average age of housing units in the Air Force inventory is about 35 years. About 59,000 of these units now require improvement or renovation to meet contemporary living standards during the next decade. Many of these units require major expenditures to repair or replace deteriorated mechanical, electrical, or structural components, and to provide some of the modern amenities found in comparable community housing. The Post Acquisition Construction Program provides this needed revitalization. Each project also includes a significant amount of concurrent maintenance and repair to maximize the project cost effectiveness (average per project is 60%).

The Air Force is the acknowledged DoD leader in developing the "whole house" revitalization concept. Whole house is the combination of needed maintenance and repair together with improvements to bring the unit to contemporary standards. In addition, we are looking beyond the house to the entire housing area in our requirements plan. Our "whole neighborhood" concept is being developed and includes the development of neighborhood vehicular and pedestrian circulation concepts to consider siting, density, landscaping, parking, playgrounds, recreation areas and utilities, in addition to the housing unit itself.

Consistent with Authorization and Appropriation Committees' language in FY 1990, the Air Force is seeking to maintain funding in this account to continue revitalizing our aging homes. Consistent with Appropriation Committees' language in FY 1985, the Air Force has gathered data on the post acquisition construction projects to detail past projects on these units and any future work being programmed within a three year period. This information is provided as a part of this submittal.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2000 BUDGET REQUEST

Program Summary

Authorization is requested for:

(1) Various improvements to existing public quarters, as described on DD Form 1391.

(2) Authorization of \$124,452,000 and Appropriation of \$34,152,000 to fund projects in FY 2000.

NOTE: Projects within the program are within the statutory limitation of \$50,000 per unit adjusted by area cost factor, except as identified by separate DD Form 1391.

| | | | | | |
|--|--|---|--|---|--------------|
| 1. COMPONENT AIR FORCE | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | | 2 DATE |
| 3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES | | | 4 PROJECT TITLE FAMILY HOUSING POST ACQUISITION CONSTRUCTION | | |
| 5 PROGRAM ELEMENT 8.87.42 | | 6 CATEGORY CODE 711-000 | 7 PROJECT NUMBER | 8 PROJECT COST (\$000) Auth: 124,452 Appr: 34,280 | |
| 9. COST ESTIMATE | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| POST ACQUISITION CONSTRUCTION | | | | | 124,452 |
| PROJECTS TO IMPROVE HOUSING UNITS | | UN | 1,334 | 92,318 | (123,152) |
| PROJECTS TO IMPROVE SUPPORT FACILITIES | | LS | | | (1,300) |
| SUBTOTAL | | | | | 124,452 |
| TOTAL CONTRACT COST | | | | | 124,452 |
| TOTAL REQUEST | | | | | 124,452 |
| <p>10 DESCRIPTION OF PROPOSED CONSTRUCTION: Includes all work necessary to revitalize military family housing by providing: air conditioning, where authorized; modern functional layouts; soundproofing; and utility and site improvements. Energy conservation actions include new and additional insulation, storm windows, solar screens, and nor efficient heating and cooling systems.</p> <p>11 <u>PROJECT</u>: This request is for an authorization of \$124.452 million and appropriation of \$34.280 million to accomplish improvement in family housing.</p> <p><u>REQUIREMENT</u>: This program is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this program using a single construction contract and requests advanced appropriation for the remaining amount. To revitalize and improve the livability of older, obsolete family housing units, to conserve energy in these older housing units, and to bring utility systems up to current safety standards. Whole-house improvements include but are not limited to: kitchen upgrades, bathroom additions/upgrades, repair/replacement of roofs, upgrade of mechanical and electrical systems, replacement of windows, doors, floors, and exterior improvements (patios, fences, storages, etc.)</p> <p><u>CURRENT SITUATION</u>: The majority of these family housing units were constructed in the late 1940's or 1950's using various design and construction criteria, with different types of material, equipment, and appliances. Many utility and structural systems were constructed during years of plentiful, inexpensive energy resources. Insulation, storm windows and doors, etc., not previously cost effective, are now sound investment. This program will extend the useful life of many of our older, less modern units by enhancing livability, functionality, reducing operation costs and improving safety standards.</p> <p><u>ADDITIONAL</u>: These projects meet the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide." Energy evaluation/life-cycle cost analysis were performed in support of these projects.</p> | | | | | |

| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | | | | | | | | | | | | | | | | |
|--|--|---------|-----------------------------|---|----------------------|--|---------------|--|--|--------|---|--|-----------------|--|--|-------|--|--|
| 3. INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES | | | | | | | | | | | | | | | | | | |
| 4. PROJECT TITLE POST AQUISITION CONSTRUCTION | 5. PROJECT NUMBER N/A | | | | | | | | | | | | | | | | | |
| <p>10. Description of work to be accomplished</p> <table border="0"> <thead> <tr> <th data-bbox="391 491 711 520"><u>Location and Project</u></th> <th data-bbox="1105 459 1344 520"><u>Current Working Estimate (\$000)</u></th> </tr> </thead> <tbody> <tr> <td colspan="2" data-bbox="235 558 443 583"><u>UNITED STATES</u></td> </tr> <tr> <td colspan="2" data-bbox="235 621 334 646"><u>ALASKA</u></td> </tr> <tr> <td data-bbox="266 653 760 737">ELMENDORF AFB IMPROVE FAMILY HOUSING PHASE 10 FXSB984416</td> <td data-bbox="1247 680 1344 705">10,536</td> </tr> <tr> <td colspan="2" data-bbox="266 743 1045 1150"> <ul style="list-style-type: none"> - Provides general interior and exterior renovation of 76 housing units. Includes utility upgrade and additions to meet current standards. Upgrades kitchens, bathrooms, improves floor plans, provides increased energy efficiency, privacy fencing, patios, playgrounds, and recreation areas. Includes demolition and asbestos/lead based paint removal. Grade Mix: 76 E1-E6 (Separate DD Form 1391 attached) - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None. - WORK PROGRAMMED FOR NEXT THREE YEARS: None. </td> </tr> <tr> <td colspan="2" data-bbox="235 1251 363 1276"><u>ARKANSAS</u></td> </tr> <tr> <td data-bbox="266 1283 883 1367">LITTLE ROCK AFB IMPROVE CAPEHART FAMILY HOUSING PHASE 1 NKAK004011</td> <td data-bbox="1263 1310 1344 1335">4,196</td> </tr> <tr> <td colspan="2" data-bbox="266 1373 1062 1717"> <ul style="list-style-type: none"> - Provide general interior and exterior modernization and renovation of 83 housing units. Includes utility upgrade and additions to meet current standards. Upgrade kitchens, laundry rooms, bathrooms and floor coverings, improve floor plans, provides increased energy efficiency, carports, storage, privacy fencing, patios, playgrounds and recreation areas. (Separate DD Form 1391 attached) - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None - WORK PROGRAMMED FOR NEXT THREE YEARS: None </td> </tr> </tbody> </table> | | | <u>Location and Project</u> | <u>Current Working Estimate (\$000)</u> | <u>UNITED STATES</u> | | <u>ALASKA</u> | | ELMENDORF AFB IMPROVE FAMILY HOUSING PHASE 10 FXSB984416 | 10,536 | <ul style="list-style-type: none"> - Provides general interior and exterior renovation of 76 housing units. Includes utility upgrade and additions to meet current standards. Upgrades kitchens, bathrooms, improves floor plans, provides increased energy efficiency, privacy fencing, patios, playgrounds, and recreation areas. Includes demolition and asbestos/lead based paint removal. Grade Mix: 76 E1-E6 (Separate DD Form 1391 attached) - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None. - WORK PROGRAMMED FOR NEXT THREE YEARS: None. | | <u>ARKANSAS</u> | | LITTLE ROCK AFB IMPROVE CAPEHART FAMILY HOUSING PHASE 1 NKAK004011 | 4,196 | <ul style="list-style-type: none"> - Provide general interior and exterior modernization and renovation of 83 housing units. Includes utility upgrade and additions to meet current standards. Upgrade kitchens, laundry rooms, bathrooms and floor coverings, improve floor plans, provides increased energy efficiency, carports, storage, privacy fencing, patios, playgrounds and recreation areas. (Separate DD Form 1391 attached) - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None - WORK PROGRAMMED FOR NEXT THREE YEARS: None | |
| <u>Location and Project</u> | <u>Current Working Estimate (\$000)</u> | | | | | | | | | | | | | | | | | |
| <u>UNITED STATES</u> | | | | | | | | | | | | | | | | | | |
| <u>ALASKA</u> | | | | | | | | | | | | | | | | | | |
| ELMENDORF AFB IMPROVE FAMILY HOUSING PHASE 10 FXSB984416 | 10,536 | | | | | | | | | | | | | | | | | |
| <ul style="list-style-type: none"> - Provides general interior and exterior renovation of 76 housing units. Includes utility upgrade and additions to meet current standards. Upgrades kitchens, bathrooms, improves floor plans, provides increased energy efficiency, privacy fencing, patios, playgrounds, and recreation areas. Includes demolition and asbestos/lead based paint removal. Grade Mix: 76 E1-E6 (Separate DD Form 1391 attached) - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None. - WORK PROGRAMMED FOR NEXT THREE YEARS: None. | | | | | | | | | | | | | | | | | | |
| <u>ARKANSAS</u> | | | | | | | | | | | | | | | | | | |
| LITTLE ROCK AFB IMPROVE CAPEHART FAMILY HOUSING PHASE 1 NKAK004011 | 4,196 | | | | | | | | | | | | | | | | | |
| <ul style="list-style-type: none"> - Provide general interior and exterior modernization and renovation of 83 housing units. Includes utility upgrade and additions to meet current standards. Upgrade kitchens, laundry rooms, bathrooms and floor coverings, improve floor plans, provides increased energy efficiency, carports, storage, privacy fencing, patios, playgrounds and recreation areas. (Separate DD Form 1391 attached) - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None - WORK PROGRAMMED FOR NEXT THREE YEARS: None | | | | | | | | | | | | | | | | | | |

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|---|--|---|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| AIR FORCE | | |
| 3. INSTALLATION AND LOCATION | | |
| VARIOUS AIR FORCE BASES | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER |
| POST AQUISITION CONSTRUCTION | | N/A |
| 10. Description of work to be accomplished | | |
| <u>Location and Project</u> | | <u>Current Working Estimate (\$000)</u> |
| <u>COLORADO</u> | | |
| USAF ACADEMY | | |
| IMPROVE CAPEHART FAMILY HOUSING | | 650 |
| XQPZ000031 | | |
| - Improve 2 parks. Construct playgrounds, pavilions, parking areas, provide identification signs for park, provide irrigated landscaped open areas. Construct parking areas at two parks improved in previous projects. Construct neighborhood entry signs for Pine Valley and Douglass Valley. | | |
| - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None | | |
| - WORK PROGRAMMED FOR NEXT THREE YEARS: None | | |
| <u>DISTRICT OF COLUMBIA</u> | | |
| BOLLING AFB | | |
| IMPROVE 6 GOQS | | 455 |
| BXUR004001 | | |
| - Improve the interior of 6 GOQs. Alter kitchen and sunroom floor layout. Upgrade kitchen & bath fixtures and finishes. Refinish/replace wood floors, doors, moulding and trim as required. Replace plaster ceilings with gypsum board and repair plaster walls. Upgrade utility systems. Install shelves/util. sink in laundry room. Repr. garages, summer houses, patios and walks & landscape. (Separate DD Form 1391 attached) | | |
| - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None | | |
| - WORK PROGRAMMED FOR NEXT THREE YEARS: None | | |

| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | 2. DATE | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---------|-----------------------------|---|----------------|--|--|-----|--|--|--|--|--|--|---------------|--|--|--------|--|--|--|--|---|--|
| AIR FORCE | (computer generated) | | | | | | | | | | | | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | | | | | | | | | | | | | | | | | | | | |
| VARIOUS AIR FORCE BASES | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. PROJECT TITLE | 5. PROJECT NUMBER | | | | | | | | | | | | | | | | | | | | | | | |
| POST AQUISITION CONSTRUCTION | N/A | | | | | | | | | | | | | | | | | | | | | | | |
| <p>10. Description of work to be accomplished</p> <table border="0"> <thead> <tr> <th data-bbox="389 489 711 516" style="text-align: center;"><u>Location and Project</u></th> <th data-bbox="1102 457 1344 516" style="text-align: center;"><u>Current Working Estimate (\$000)</u></th> </tr> </thead> <tbody> <tr> <td colspan="2" data-bbox="233 556 347 579"><u>FLORIDA</u></td> </tr> <tr> <td data-bbox="264 585 1138 674">EGLIN AUX FIELD 9 FLD IMPROVE FY70 APPROPRIATED FAMILY HSG, LIVE OAK, PHASE E FTEV014001</td> <td data-bbox="1295 615 1344 638" style="text-align: right;">650</td> </tr> <tr> <td colspan="2" data-bbox="264 680 1062 957"> <ul style="list-style-type: none"> - Construct paved multi-use trails with asphalt, site furnishing to include signage, bus shelters, benches and litter receptables. Block and Neighborhood-Scale improvement, Neighborhood-Scale Open Space of ornamental trees, plantings at intersection to mark entry street in a neighborhood and each block of housing. Enhance collector streets with larger trees. </td> </tr> <tr> <td colspan="2" data-bbox="264 963 963 1020"> <ul style="list-style-type: none"> - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None. </td> </tr> <tr> <td colspan="2" data-bbox="264 1026 980 1054"> <ul style="list-style-type: none"> - WORK PROGRAMMED FOR NEXT THREE YEARS: None </td> </tr> <tr> <td colspan="2" data-bbox="233 1157 331 1180"><u>HAWAII</u></td> </tr> <tr> <td data-bbox="264 1186 743 1274">HICKAM AFB IMPROVE FAMILY HOUSING PHASE 5 KNMD004401</td> <td data-bbox="1247 1215 1344 1239" style="text-align: right;">16,900</td> </tr> <tr> <td colspan="2" data-bbox="264 1281 1049 1558"> <ul style="list-style-type: none"> - Provides general interior and exterior renovation of 87 housing units. Includes utility upgrade and additions to meet current standards. Upgrade kitchens, bathrooms, improves floor plans, provides increased energy efficiency, privacy fencing, patios, playgrounds, and recreation areas. Includes asbestos and lead-based paint removal. Grade Mix: 3 GO, 84 E1-E6 (Separate DD Form 1391 attached) </td> </tr> <tr> <td colspan="2" data-bbox="264 1593 963 1650"> <ul style="list-style-type: none"> - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None. </td> </tr> <tr> <td colspan="2" data-bbox="264 1656 993 1684"> <ul style="list-style-type: none"> - WORK PROGRAMMED FOR NEXT THREE YEARS: None. </td> </tr> </tbody> </table> | | | <u>Location and Project</u> | <u>Current Working Estimate (\$000)</u> | <u>FLORIDA</u> | | EGLIN AUX FIELD 9 FLD IMPROVE FY70 APPROPRIATED FAMILY HSG, LIVE OAK, PHASE E FTEV014001 | 650 | <ul style="list-style-type: none"> - Construct paved multi-use trails with asphalt, site furnishing to include signage, bus shelters, benches and litter receptables. Block and Neighborhood-Scale improvement, Neighborhood-Scale Open Space of ornamental trees, plantings at intersection to mark entry street in a neighborhood and each block of housing. Enhance collector streets with larger trees. | | <ul style="list-style-type: none"> - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None. | | <ul style="list-style-type: none"> - WORK PROGRAMMED FOR NEXT THREE YEARS: None | | <u>HAWAII</u> | | HICKAM AFB IMPROVE FAMILY HOUSING PHASE 5 KNMD004401 | 16,900 | <ul style="list-style-type: none"> - Provides general interior and exterior renovation of 87 housing units. Includes utility upgrade and additions to meet current standards. Upgrade kitchens, bathrooms, improves floor plans, provides increased energy efficiency, privacy fencing, patios, playgrounds, and recreation areas. Includes asbestos and lead-based paint removal. Grade Mix: 3 GO, 84 E1-E6 (Separate DD Form 1391 attached) | | <ul style="list-style-type: none"> - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None. | | <ul style="list-style-type: none"> - WORK PROGRAMMED FOR NEXT THREE YEARS: None. | |
| <u>Location and Project</u> | <u>Current Working Estimate (\$000)</u> | | | | | | | | | | | | | | | | | | | | | | | |
| <u>FLORIDA</u> | | | | | | | | | | | | | | | | | | | | | | | | |
| EGLIN AUX FIELD 9 FLD IMPROVE FY70 APPROPRIATED FAMILY HSG, LIVE OAK, PHASE E FTEV014001 | 650 | | | | | | | | | | | | | | | | | | | | | | | |
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| <ul style="list-style-type: none"> - WORK PROGRAMMED FOR NEXT THREE YEARS: None | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>HAWAII</u> | | | | | | | | | | | | | | | | | | | | | | | | |
| HICKAM AFB IMPROVE FAMILY HOUSING PHASE 5 KNMD004401 | 16,900 | | | | | | | | | | | | | | | | | | | | | | | |
| <ul style="list-style-type: none"> - Provides general interior and exterior renovation of 87 housing units. Includes utility upgrade and additions to meet current standards. Upgrade kitchens, bathrooms, improves floor plans, provides increased energy efficiency, privacy fencing, patios, playgrounds, and recreation areas. Includes asbestos and lead-based paint removal. Grade Mix: 3 GO, 84 E1-E6 (Separate DD Form 1391 attached) | | | | | | | | | | | | | | | | | | | | | | | | |
| <ul style="list-style-type: none"> - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None. | | | | | | | | | | | | | | | | | | | | | | | | |
| <ul style="list-style-type: none"> - WORK PROGRAMMED FOR NEXT THREE YEARS: None. | | | | | | | | | | | | | | | | | | | | | | | | |

| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | | | | | | | | | | | | | | |
|--|--|---------|-----------------------------|---|----------------------|--|--|--------|---|--|-----------------|--|---|-------|--|--|
| 3. INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES | | | | | | | | | | | | | | | | |
| 4. PROJECT TITLE POST AQUISITION CONSTRUCTION | 5. PROJECT NUMBER N/A | | | | | | | | | | | | | | | |
| <p>10. Description of work to be accomplished</p> <table border="0"> <thead> <tr> <th data-bbox="233 489 1089 520"><u>Location and Project</u></th> <th data-bbox="1089 457 1344 520"><u>Current Working Estimate (\$000)</u></th> </tr> </thead> <tbody> <tr> <td colspan="2" data-bbox="233 554 472 583"><u>HAWAII (CONT)</u></td> </tr> <tr> <td data-bbox="266 585 743 674">HICKAM AFB IMPROVE FAMILY HOUSING PHASE 7 KNMD004402</td> <td data-bbox="1247 617 1344 646">12,450</td> </tr> <tr> <td colspan="2" data-bbox="266 680 1045 1087"> <ul style="list-style-type: none"> - Provides general interior and exterior renovation of 62 housing units. Includes utility upgrade and additions to meet current standards. Upgrade kitchens, bathrooms, improves floor plans, provides increased energy efficiency, privacy fencing, patios, playgrounds, and recreation areas. Includes asbestos and lead-based paint removal. Grade Mix: 62 E1-E6 (Separate DD Form 1391 attached) - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None. - WORK PROGRAMMED FOR NEXT THREE YEARS: None. </td> </tr> <tr> <td colspan="2" data-bbox="233 1188 363 1218"><u>MARYLAND</u></td> </tr> <tr> <td data-bbox="266 1220 711 1308">ANDREWS AFB IMPROVE FAMILY HOUSING PH E4 AJXF004005</td> <td data-bbox="1263 1247 1344 1276">8,635</td> </tr> <tr> <td colspan="2" data-bbox="266 1314 1062 1654"> <ul style="list-style-type: none"> - Reconfigure portions of the first floor to allow the rearrangement of the kitchen, laundry area, and storage closet in three-bedroom units. Reconfigure the foyer, kitchen, laundry area, and storage area in four-bedrooms units. Upgrade electrical and mechanical systems. Landscape and provide neighborhood signs. (Separate DD Form 1391 attached) - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: FY98 <ul style="list-style-type: none"> - AJXF944023, Rpl Siding/Windows. - WORK PROGRAMMED FOR NEXT THREE YEARS: None </td> </tr> </tbody> </table> | | | <u>Location and Project</u> | <u>Current Working Estimate (\$000)</u> | <u>HAWAII (CONT)</u> | | HICKAM AFB IMPROVE FAMILY HOUSING PHASE 7 KNMD004402 | 12,450 | <ul style="list-style-type: none"> - Provides general interior and exterior renovation of 62 housing units. Includes utility upgrade and additions to meet current standards. Upgrade kitchens, bathrooms, improves floor plans, provides increased energy efficiency, privacy fencing, patios, playgrounds, and recreation areas. Includes asbestos and lead-based paint removal. Grade Mix: 62 E1-E6 (Separate DD Form 1391 attached) - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None. - WORK PROGRAMMED FOR NEXT THREE YEARS: None. | | <u>MARYLAND</u> | | ANDREWS AFB IMPROVE FAMILY HOUSING PH E4 AJXF004005 | 8,635 | <ul style="list-style-type: none"> - Reconfigure portions of the first floor to allow the rearrangement of the kitchen, laundry area, and storage closet in three-bedroom units. Reconfigure the foyer, kitchen, laundry area, and storage area in four-bedrooms units. Upgrade electrical and mechanical systems. Landscape and provide neighborhood signs. (Separate DD Form 1391 attached) - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: FY98 <ul style="list-style-type: none"> - AJXF944023, Rpl Siding/Windows. - WORK PROGRAMMED FOR NEXT THREE YEARS: None | |
| <u>Location and Project</u> | <u>Current Working Estimate (\$000)</u> | | | | | | | | | | | | | | | |
| <u>HAWAII (CONT)</u> | | | | | | | | | | | | | | | | |
| HICKAM AFB IMPROVE FAMILY HOUSING PHASE 7 KNMD004402 | 12,450 | | | | | | | | | | | | | | | |
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| <u>MARYLAND</u> | | | | | | | | | | | | | | | | |
| ANDREWS AFB IMPROVE FAMILY HOUSING PH E4 AJXF004005 | 8,635 | | | | | | | | | | | | | | | |
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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | 2. DATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---------|-----------------------------|---|------------------------|--|-------------|--|------------------------|-------|------------|--|---|--|---|--|--|--|----------------|--|---------------|--|---------------------------------|-------|-------------|--|--|--|--|--|---|--|
| AIR FORCE | (computer generated) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VARIOUS AIR FORCE BASES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. PROJECT TITLE | 5. PROJECT NUMBER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| POST ACQUISITION CONSTRUCTION | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>10. Description of work to be accomplished</p> <table border="0"> <thead> <tr> <th data-bbox="389 489 711 516"><u>Location and Project</u></th> <th data-bbox="1101 457 1344 516"><u>Current Working Estimate (\$000)</u></th> </tr> </thead> <tbody> <tr> <td colspan="2" data-bbox="232 554 505 581"><u>MARYLAND (CONT)</u></td> </tr> <tr> <td colspan="2" data-bbox="264 585 459 613">ANDREWS AFB</td> </tr> <tr> <td data-bbox="264 617 618 644">IMPROVE FAMILY HOUSING</td> <td data-bbox="1263 617 1344 644">5,791</td> </tr> <tr> <td colspan="2" data-bbox="264 648 427 676">AJXF004008</td> </tr> <tr> <td colspan="2" data-bbox="264 680 1060 957"> <ul style="list-style-type: none"> - Improve 54 housing units. add space to rearrange the kitchen, living room and dining room, and create a secondary eating area. Add full bathroom and new laundry area on second floor. Provide storage shed/patio/privacy fence and sidewalks. Upgrade electrical and mechanical systems. Replace potable water lines to main. Landscape and provide neighborhood entry signs. (Separate DD Form 1391 attached) </td> </tr> <tr> <td colspan="2" data-bbox="264 961 1060 989">- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None</td> </tr> <tr> <td colspan="2" data-bbox="264 993 980 1020">- WORK PROGRAMMED FOR NEXT THREE YEARS: None</td> </tr> <tr> <td colspan="2" data-bbox="232 1123 350 1150"><u>MONTANA</u></td> </tr> <tr> <td colspan="2" data-bbox="264 1155 492 1182">MALMSTROM AFB</td> </tr> <tr> <td data-bbox="264 1186 761 1213">IMPROVE CAPEHART FAMILY HOUSING</td> <td data-bbox="1263 1186 1344 1213">5,810</td> </tr> <tr> <td colspan="2" data-bbox="264 1218 443 1245">NZAS8600017</td> </tr> <tr> <td colspan="2" data-bbox="264 1249 1065 1526"> <ul style="list-style-type: none"> - Improves 46 company and field grade officer units (40 O1-O3 and 6 O4 units) through the construction of family/living room additions, patios or decks, privacy fences and exterior storage. Complete interior renovation and repairs and insulation of basement walls. Provides utility system upgrade, pavement repair and landscaping. Includes demolition and asbestos/lead-based paint removal. (Separate DD Form 1391 attached) </td> </tr> <tr> <td colspan="2" data-bbox="264 1562 964 1589">- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</td> </tr> <tr> <td colspan="2" data-bbox="264 1593 886 1621">- WORK PROGRAMMED FOR NEXT THREE YEARS:</td> </tr> </tbody> </table> | | | <u>Location and Project</u> | <u>Current Working Estimate (\$000)</u> | <u>MARYLAND (CONT)</u> | | ANDREWS AFB | | IMPROVE FAMILY HOUSING | 5,791 | AJXF004008 | | <ul style="list-style-type: none"> - Improve 54 housing units. add space to rearrange the kitchen, living room and dining room, and create a secondary eating area. Add full bathroom and new laundry area on second floor. Provide storage shed/patio/privacy fence and sidewalks. Upgrade electrical and mechanical systems. Replace potable water lines to main. Landscape and provide neighborhood entry signs. (Separate DD Form 1391 attached) | | - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None | | - WORK PROGRAMMED FOR NEXT THREE YEARS: None | | <u>MONTANA</u> | | MALMSTROM AFB | | IMPROVE CAPEHART FAMILY HOUSING | 5,810 | NZAS8600017 | | <ul style="list-style-type: none"> - Improves 46 company and field grade officer units (40 O1-O3 and 6 O4 units) through the construction of family/living room additions, patios or decks, privacy fences and exterior storage. Complete interior renovation and repairs and insulation of basement walls. Provides utility system upgrade, pavement repair and landscaping. Includes demolition and asbestos/lead-based paint removal. (Separate DD Form 1391 attached) | | - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: | | - WORK PROGRAMMED FOR NEXT THREE YEARS: | |
| <u>Location and Project</u> | <u>Current Working Estimate (\$000)</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>MARYLAND (CONT)</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ANDREWS AFB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IMPROVE FAMILY HOUSING | 5,791 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AJXF004008 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <ul style="list-style-type: none"> - Improve 54 housing units. add space to rearrange the kitchen, living room and dining room, and create a secondary eating area. Add full bathroom and new laundry area on second floor. Provide storage shed/patio/privacy fence and sidewalks. Upgrade electrical and mechanical systems. Replace potable water lines to main. Landscape and provide neighborhood entry signs. (Separate DD Form 1391 attached) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - WORK PROGRAMMED FOR NEXT THREE YEARS: None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>MONTANA</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MALMSTROM AFB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IMPROVE CAPEHART FAMILY HOUSING | 5,810 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NZAS8600017 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <ul style="list-style-type: none"> - Improves 46 company and field grade officer units (40 O1-O3 and 6 O4 units) through the construction of family/living room additions, patios or decks, privacy fences and exterior storage. Complete interior renovation and repairs and insulation of basement walls. Provides utility system upgrade, pavement repair and landscaping. Includes demolition and asbestos/lead-based paint removal. (Separate DD Form 1391 attached) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - WORK PROGRAMMED FOR NEXT THREE YEARS: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | |
|--|---|---|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | 2. DATE |
| AIR FORCE | (computer generated) | |
| 3. INSTALLATION AND LOCATION | | |
| VARIOUS AIR FORCE BASES | | |
| 4. PROJECT TITLE | | 5. PROJECT NUMBER |
| POST ACQUISITION CONSTRUCTION | | N/A |
| 10. Description of work to be accomplished | | |
| | <u>Location and Project</u> | <u>Current Working Estimate (\$000)</u> |
| <u>NEBRASKA</u> | | |
| | OFFUTT AFB | |
| | IMPROVE FAMILY HOUSING (BATHROOMS) | 1,541 |
| | SGBP970903 | |
| | - Install additional bath in unfinished space in 352 housing units. Includes bath fixtures, lighting, flooring, and all finishes. | |
| | - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: Normal day to day maintenance and repair, and repair of roofs and retaining walls. | |
| | - WORK PROGRAMMED FOR NEXT THREE YEARS: Normal day to day maintenance and repair. | |
| <u>NEW JERSEY</u> | | |
| | MCGUIRE AFB | |
| | IMPROVE CAPEHART FAMILY HOUSING | 4,100 |
| | PTFL014001 | |
| | - Interior and exterior modernization and renovation of 34 housing units. Upgrades kitchens, bathrooms, floor coverings, improves floorplans, increases energy efficiency, privacy fencing, patios, playgrounds, covered parking, and recreation areas. Includes demolition and asbestos/lead-based paint removal. (Separate DD Form 1391 attached) | |
| | - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: FY98, Replace Domestic Hot Water Lines, 2800 Area \$2K/unit; FY98, Repair Roofing, FCE \$2K/unit. | |
| | - WORK PROGRAMMED FOR NEXT THREE YEARS: None | |

| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE | | | | | | | | |
|--|--|---------|-----------------------------|---|-----------------|--|---|-------|--|--|
| AIR FORCE | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | | | | | | |
| VARIOUS AIR FORCE BASES | | | | | | | | | | |
| 4. PROJECT TITLE | 5. PROJECT NUMBER | | | | | | | | | |
| POST AQUISITION CONSTRUCTION | N/A | | | | | | | | | |
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| <u>Location and Project</u> | <u>Current Working Estimate (\$000)</u> | | | | | | | | | |
| <u>VIRGINIA</u> | | | | | | | | | | |
| LANGLEY AFB IMPROVE FAMILY HOUSING MUHJ020200 | 4,000 | | | | | | | | | |
| <ul style="list-style-type: none"> - Whole house renovation of 23 historic houses including 7 GOQs and all necessary support. This project upgrades systems to renovate each facility to meet current standards without compromising architectural integrity of the facility. Includes mechanical, electrical, and plumbing systems, air conditioning/heating, kitchens, baths, lighting, and exterior repairs to revitalize the units. (Separate DD Form 1391 attached) - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: Normal day to day maintenance and repair. - WORK PROGRAMMED FOR NEXT THREE YEARS: Normal day to day maintenance and repair. | | | | | | | | | | |

| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | 2. DATE | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---------|-----------------------------|---|-----------------|--|----------------|--|---|-------|--|--|---|--|--|--|--------------------------------------|--------|---|--|---|--|--|--|
| AIR FORCE | (computer generated) | | | | | | | | | | | | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | | | | | | | | | | | | | | | | | | | | |
| VARIOUS AIR FORCE BASES | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. PROJECT TITLE | 5. PROJECT NUMBER | | | | | | | | | | | | | | | | | | | | | | | |
| POST ACQUISITION CONSTRUCTION | N/A | | | | | | | | | | | | | | | | | | | | | | | |
| <p>10. Description of work to be accomplished</p> <table border="0"> <thead> <tr> <th data-bbox="391 491 711 518"><u>Location and Project</u></th> <th data-bbox="1105 464 1344 518"><u>Current Working Estimate (\$000)</u></th> </tr> </thead> <tbody> <tr> <td colspan="2" data-bbox="237 558 363 585"><u>OVERSEAS</u></td> </tr> <tr> <td colspan="2" data-bbox="237 621 347 648"><u>GERMANY</u></td> </tr> <tr> <td data-bbox="266 653 618 741"> RAMSTEIN AB IMPROVE FAMILY HOUSING MTMN004528 </td> <td data-bbox="1265 682 1344 709">8,910</td> </tr> <tr> <td colspan="2" data-bbox="266 745 1024 1056"> - Provides general interior and exterior modernization and renovation. Constructs bathroom and laundry addition "Wet Cells" on three and four bedroom type homes. Upgrades kitchens, bathrooms, and floor coverings, stairwells & entryways, provides increased energy efficiency, corrects fire deficiencies, and adds balconies. Includes demolition and asbestos/Lead-Base Paint removal. (Separate DD Form 1391 attached) </td> </tr> <tr> <td colspan="2" data-bbox="266 1060 1060 1087">- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None</td> </tr> <tr> <td colspan="2" data-bbox="266 1092 980 1119">- WORK PROGRAMMED FOR NEXT THREE YEARS: None</td> </tr> <tr> <td data-bbox="266 1188 618 1245"> IMPROVE FAMILY HOUSING YANB004523 </td> <td data-bbox="1247 1188 1344 1215">11,650</td> </tr> <tr> <td colspan="2" data-bbox="266 1249 1060 1560"> - Provides general interior and exterior modernization and renovation. Constructs bathroom and laundry addition "Wet Cells" on three bedroom type homes. Upgrades kitchens, bathrooms, and floor coverings, stairwells & entryways, provides increased energy efficiency, corrects fire deficiencies, and adds balconies. Includes demolition and asbestos/Lead-Base Paint removal. (Separate DD Form 1391 attached) </td> </tr> <tr> <td colspan="2" data-bbox="266 1564 1060 1591">- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None</td> </tr> <tr> <td colspan="2" data-bbox="266 1596 980 1623">- WORK PROGRAMMED FOR NEXT THREE YEARS: None</td> </tr> </tbody> </table> | | | <u>Location and Project</u> | <u>Current Working Estimate (\$000)</u> | <u>OVERSEAS</u> | | <u>GERMANY</u> | | RAMSTEIN AB IMPROVE FAMILY HOUSING MTMN004528 | 8,910 | - Provides general interior and exterior modernization and renovation. Constructs bathroom and laundry addition "Wet Cells" on three and four bedroom type homes. Upgrades kitchens, bathrooms, and floor coverings, stairwells & entryways, provides increased energy efficiency, corrects fire deficiencies, and adds balconies. Includes demolition and asbestos/Lead-Base Paint removal. (Separate DD Form 1391 attached) | | - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None | | - WORK PROGRAMMED FOR NEXT THREE YEARS: None | | IMPROVE FAMILY HOUSING YANB004523 | 11,650 | - Provides general interior and exterior modernization and renovation. Constructs bathroom and laundry addition "Wet Cells" on three bedroom type homes. Upgrades kitchens, bathrooms, and floor coverings, stairwells & entryways, provides increased energy efficiency, corrects fire deficiencies, and adds balconies. Includes demolition and asbestos/Lead-Base Paint removal. (Separate DD Form 1391 attached) | | - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None | | - WORK PROGRAMMED FOR NEXT THREE YEARS: None | |
| <u>Location and Project</u> | <u>Current Working Estimate (\$000)</u> | | | | | | | | | | | | | | | | | | | | | | | |
| <u>OVERSEAS</u> | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>GERMANY</u> | | | | | | | | | | | | | | | | | | | | | | | | |
| RAMSTEIN AB IMPROVE FAMILY HOUSING MTMN004528 | 8,910 | | | | | | | | | | | | | | | | | | | | | | | |
| - Provides general interior and exterior modernization and renovation. Constructs bathroom and laundry addition "Wet Cells" on three and four bedroom type homes. Upgrades kitchens, bathrooms, and floor coverings, stairwells & entryways, provides increased energy efficiency, corrects fire deficiencies, and adds balconies. Includes demolition and asbestos/Lead-Base Paint removal. (Separate DD Form 1391 attached) | | | | | | | | | | | | | | | | | | | | | | | | |
| - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None | | | | | | | | | | | | | | | | | | | | | | | | |
| - WORK PROGRAMMED FOR NEXT THREE YEARS: None | | | | | | | | | | | | | | | | | | | | | | | | |
| IMPROVE FAMILY HOUSING YANB004523 | 11,650 | | | | | | | | | | | | | | | | | | | | | | | |
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| - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None | | | | | | | | | | | | | | | | | | | | | | | | |
| - WORK PROGRAMMED FOR NEXT THREE YEARS: None | | | | | | | | | | | | | | | | | | | | | | | | |

| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | 2. DATE | | | | | | | | | | | | |
|---|--|---------|-----------------------------|---|-----------------------|--|---|-------|--|--|--------------------------------------|-------|--|--|
| AIR FORCE | (computer generated) | | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | | | | | | | | | | |
| VARIOUS AIR FORCE BASES | | | | | | | | | | | | | | |
| 4. PROJECT TITLE | 5. PROJECT NUMBER | | | | | | | | | | | | | |
| POST AQUISITION CONSTRUCTION | N/A | | | | | | | | | | | | | |
| <p>10. Description of work to be accomplished</p> <table border="0"> <thead> <tr> <th data-bbox="233 489 1101 516"><u>Location and Project</u></th> <th data-bbox="1101 457 1344 516"><u>Current Working Estimate (\$000)</u></th> </tr> </thead> <tbody> <tr> <td colspan="2" data-bbox="233 554 1344 581"><u>GERMANY (CONT)</u></td> </tr> <tr> <td data-bbox="266 585 1247 674"> RAMSTEIN AB CONSTRUCT BATH/LAUNDRY TOWER ADDITIONS YANB004553 </td> <td data-bbox="1263 617 1344 644" style="text-align: right; vertical-align: top;">5,100</td> </tr> <tr> <td colspan="2" data-bbox="266 678 1344 957"> <ul style="list-style-type: none"> - Construct concrete foundation and erect precast concrete towers (Wet Cells) for three and four bedroom homes that require second bath. Includes installation of bathroom fixtures, plumbing, carpentry, electrical, mechanical, and all other work necessary to provide a second bathroom and interior laundry. - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None - WORK PROGRAMMED FOR NEXT THREE YEARS: None </td> </tr> <tr> <td data-bbox="266 1026 1247 1085"> IMPROVE FAMILY HOUSING YANB964513 </td> <td data-bbox="1263 1026 1344 1054" style="text-align: right; vertical-align: top;">8,500</td> </tr> <tr> <td colspan="2" data-bbox="266 1089 1344 1461"> <ul style="list-style-type: none"> - Provides general interior and exterior modernization and renovation. Constructs bathroom and laundry addition "Wet Cells" on three and four bedroom type homes. Upgrades kitchens, bathrooms, and floor coverings, stairwells & entryways, provides increased energy efficiency, corrects fire deficiencies, and adds balconies. Includes demolition and asbestos/Lead-Base Paint removal. (Separate DD Form 1391 attached) - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None - WORK PROGRAMMED FOR NEXT THREE YEARS: None </td> </tr> </tbody> </table> | | | <u>Location and Project</u> | <u>Current Working Estimate (\$000)</u> | <u>GERMANY (CONT)</u> | | RAMSTEIN AB CONSTRUCT BATH/LAUNDRY TOWER ADDITIONS YANB004553 | 5,100 | <ul style="list-style-type: none"> - Construct concrete foundation and erect precast concrete towers (Wet Cells) for three and four bedroom homes that require second bath. Includes installation of bathroom fixtures, plumbing, carpentry, electrical, mechanical, and all other work necessary to provide a second bathroom and interior laundry. - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None - WORK PROGRAMMED FOR NEXT THREE YEARS: None | | IMPROVE FAMILY HOUSING YANB964513 | 8,500 | <ul style="list-style-type: none"> - Provides general interior and exterior modernization and renovation. Constructs bathroom and laundry addition "Wet Cells" on three and four bedroom type homes. Upgrades kitchens, bathrooms, and floor coverings, stairwells & entryways, provides increased energy efficiency, corrects fire deficiencies, and adds balconies. Includes demolition and asbestos/Lead-Base Paint removal. (Separate DD Form 1391 attached) - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None - WORK PROGRAMMED FOR NEXT THREE YEARS: None | |
| <u>Location and Project</u> | <u>Current Working Estimate (\$000)</u> | | | | | | | | | | | | | |
| <u>GERMANY (CONT)</u> | | | | | | | | | | | | | | |
| RAMSTEIN AB CONSTRUCT BATH/LAUNDRY TOWER ADDITIONS YANB004553 | 5,100 | | | | | | | | | | | | | |
| <ul style="list-style-type: none"> - Construct concrete foundation and erect precast concrete towers (Wet Cells) for three and four bedroom homes that require second bath. Includes installation of bathroom fixtures, plumbing, carpentry, electrical, mechanical, and all other work necessary to provide a second bathroom and interior laundry. - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None - WORK PROGRAMMED FOR NEXT THREE YEARS: None | | | | | | | | | | | | | | |
| IMPROVE FAMILY HOUSING YANB964513 | 8,500 | | | | | | | | | | | | | |
| <ul style="list-style-type: none"> - Provides general interior and exterior modernization and renovation. Constructs bathroom and laundry addition "Wet Cells" on three and four bedroom type homes. Upgrades kitchens, bathrooms, and floor coverings, stairwells & entryways, provides increased energy efficiency, corrects fire deficiencies, and adds balconies. Includes demolition and asbestos/Lead-Base Paint removal. (Separate DD Form 1391 attached) - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None - WORK PROGRAMMED FOR NEXT THREE YEARS: None | | | | | | | | | | | | | | |

| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | 2. DATE | | | | | | | | | | | | | | | | | | | | |
|---|--|---------|-----------------------------|---|-----------------------|--|---|-------|--|--|---|--|--|--|--------------------------------------|-------|---|--|---|--|--|--|
| AIR FORCE | (computer generated) | | | | | | | | | | | | | | | | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | | | | | | | | | | | | | | | | | | | |
| VARIOUS AIR FORCE BASES | | | | | | | | | | | | | | | | | | | | | | |
| 4. PROJECT TITLE | 5. PROJECT NUMBER | | | | | | | | | | | | | | | | | | | | | |
| POST AQUISITION CONSTRUCTION | N/A | | | | | | | | | | | | | | | | | | | | | |
| <p>10. Description of work to be accomplished</p> <table border="0"> <thead> <tr> <th data-bbox="196 485 1117 516"><u>Location and Project</u></th> <th data-bbox="1117 453 1414 516"><u>Current Working Estimate (\$000)</u></th> </tr> </thead> <tbody> <tr> <td colspan="2" data-bbox="196 548 1414 579"><u>GERMANY (CONT)</u></td> </tr> <tr> <td data-bbox="196 579 1117 674">SPANGDAHLEM AB IMPROVE FAMILY HOUSING VYHK014002T</td> <td data-bbox="1117 579 1414 674">3,134</td> </tr> <tr> <td data-bbox="196 674 1117 926"> <ul style="list-style-type: none"> - Provides general interior and exterior modernization and renovation. Upgrades kitchens, bathrooms, and floor coverings, stairwells & entryways, provides increased energy efficiency, corrects fire deficiencies, and replaces balconies. Includes demolition and asbestos/Lead-Base Paint removal. (Separate DD Form 1391 attached) </td> <td data-bbox="1117 674 1414 926"></td> </tr> <tr> <td data-bbox="196 926 1117 957">- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None</td> <td data-bbox="1117 926 1414 957"></td> </tr> <tr> <td data-bbox="196 957 1117 989">- WORK PROGRAMMED FOR NEXT THREE YEARS: None</td> <td data-bbox="1117 957 1414 989"></td> </tr> <tr> <td data-bbox="196 1052 1117 1115">IMPROVE FAMILY HOUSING VYHK024017</td> <td data-bbox="1117 1052 1414 1115">3,144</td> </tr> <tr> <td data-bbox="196 1115 1117 1430"> <ul style="list-style-type: none"> - Provides general interior and exterior modernization and renovation. Includes utility upgrades and additions to meet current standards. Upgrades kitchens, bathrooms, floor coverings, stairwells & entryways, provides increased energy efficiency, corrects fire deficiencies, replaces/adds balconies, and repairs roofs. Includes demolition and asbestos/lead-base paint removal. (Separate DD Form 1391 attached) </td> <td data-bbox="1117 1115 1414 1430"></td> </tr> <tr> <td data-bbox="196 1430 1117 1461">- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None</td> <td data-bbox="1117 1430 1414 1461"></td> </tr> <tr> <td data-bbox="196 1461 1117 1493">- WORK PROGRAMMED FOR NEXT THREE YEARS: None</td> <td data-bbox="1117 1461 1414 1493"></td> </tr> </tbody> </table> | | | <u>Location and Project</u> | <u>Current Working Estimate (\$000)</u> | <u>GERMANY (CONT)</u> | | SPANGDAHLEM AB IMPROVE FAMILY HOUSING VYHK014002T | 3,134 | <ul style="list-style-type: none"> - Provides general interior and exterior modernization and renovation. Upgrades kitchens, bathrooms, and floor coverings, stairwells & entryways, provides increased energy efficiency, corrects fire deficiencies, and replaces balconies. Includes demolition and asbestos/Lead-Base Paint removal. (Separate DD Form 1391 attached) | | - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None | | - WORK PROGRAMMED FOR NEXT THREE YEARS: None | | IMPROVE FAMILY HOUSING VYHK024017 | 3,144 | <ul style="list-style-type: none"> - Provides general interior and exterior modernization and renovation. Includes utility upgrades and additions to meet current standards. Upgrades kitchens, bathrooms, floor coverings, stairwells & entryways, provides increased energy efficiency, corrects fire deficiencies, replaces/adds balconies, and repairs roofs. Includes demolition and asbestos/lead-base paint removal. (Separate DD Form 1391 attached) | | - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None | | - WORK PROGRAMMED FOR NEXT THREE YEARS: None | |
| <u>Location and Project</u> | <u>Current Working Estimate (\$000)</u> | | | | | | | | | | | | | | | | | | | | | |
| <u>GERMANY (CONT)</u> | | | | | | | | | | | | | | | | | | | | | | |
| SPANGDAHLEM AB IMPROVE FAMILY HOUSING VYHK014002T | 3,134 | | | | | | | | | | | | | | | | | | | | | |
| <ul style="list-style-type: none"> - Provides general interior and exterior modernization and renovation. Upgrades kitchens, bathrooms, and floor coverings, stairwells & entryways, provides increased energy efficiency, corrects fire deficiencies, and replaces balconies. Includes demolition and asbestos/Lead-Base Paint removal. (Separate DD Form 1391 attached) | | | | | | | | | | | | | | | | | | | | | | |
| - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None | | | | | | | | | | | | | | | | | | | | | | |
| - WORK PROGRAMMED FOR NEXT THREE YEARS: None | | | | | | | | | | | | | | | | | | | | | | |
| IMPROVE FAMILY HOUSING VYHK024017 | 3,144 | | | | | | | | | | | | | | | | | | | | | |
| <ul style="list-style-type: none"> - Provides general interior and exterior modernization and renovation. Includes utility upgrades and additions to meet current standards. Upgrades kitchens, bathrooms, floor coverings, stairwells & entryways, provides increased energy efficiency, corrects fire deficiencies, replaces/adds balconies, and repairs roofs. Includes demolition and asbestos/lead-base paint removal. (Separate DD Form 1391 attached) | | | | | | | | | | | | | | | | | | | | | | |
| - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None | | | | | | | | | | | | | | | | | | | | | | |
| - WORK PROGRAMMED FOR NEXT THREE YEARS: None | | | | | | | | | | | | | | | | | | | | | | |

| | | |
|--|--|---------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION | | |
| VARIOUS AIR FORCE BASES | | |
| 4. PROJECT TITLE | 5. PROJECT NUMBER | |
| POST AQUISITION CONSTRUCTION | N/A | |
| 10. Description of work to be accomplished | | |
| <u>Location and Project</u> | <u>Current Working Estimate (\$000)</u> | |
| <u>UNITED KINGDOM</u> | | |
| RAF LAKENHEATH IMPROVE FAMILY HOUSING (PHASE K) MSET004019 | 4,600 | |
| <ul style="list-style-type: none"> - Provides general interior and exterior modernization and renovation of housing units. Includes utility upgrade and additions to meet current standards. Upgrade kitchens, bathrooms, and floor coverings, improves floor plans, provides increased energy efficiency, privacy fencing, patios, playgrounds and recreation areas. Includes demolition and asbestos/Lead-Based paint removal. (Separate DD Form 1391 attached) - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: Kitchen repairs in 1998 on 19 of the units. - WORK PROGRAMMED FOR NEXT THREE YEARS: | | |
| RAF MILDENHALL IMPROVE FAMILY HOUSING (PHASE B) QFQE004014 | 3,700 | |
| <ul style="list-style-type: none"> - Provides general interior and exterior modernization and renovation of housing units. Includes utility upgrade and additions to meet current standards. Upgrade kitchens, bathrooms, and floor coverings, improves floor plans, provides increased energy efficiency, privacy fencing, patios, playgrounds and recreation areas. Includes demolition and asbestos/Lead-Based paint removal. (Separate DD Form 1391 attached) - WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: Repair Roofs, Enlisted MFH; Maintain & Repair GOQ. - WORK PROGRAMMED FOR NEXT THREE YEARS: None. | | |

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2000 BUDGET REQUEST

POST ACQUISITION CONSTRUCTION PROJECTS (OVER \$50,000 PER UNIT)

A separate DD Form 1391 follows for each Post Acquisition Construction project which is over \$50,000 per unit (multiplied by the Area Cost Factor).

| | | | | | |
|---|------------------|--|------------------------------------|-----------|--------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | 2. DATE | |
| AIR FORCE | | (computer generated) | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| ELMENDORF AIR FORCE BASE, ALASKA | | | IMPROVE FAMILY HOUSING PHASE 10 | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 8.87.42 | 711-144 | FXSB984416 | Auth: 10,536 Appr: 2,902 | | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| IMPROVE FAMILY HOUSING PHASE 10 | | UN | 76 | 103,605 | 7,874 |
| SUPPORTING FACILITIES | | | | | 1,868 |
| DEMOLITION | | LS | | | (395) |
| ASBESTOS/LEAD-BASED PAINT REMOVAL | | LS | | | (346) |
| UTILITIES | | LS | | | (250) |
| PAVEMENTS | | LS | | | (450) |
| LANDSCAPING | | LS | | | (302) |
| COMMON NEIGHBORHOOD | | LS | | | (125) |
| SUBTOTAL | | | | | 9,742 |
| CONTINGENCY (5%) | | | | | 487 |
| TOTAL CONTRACT COST | | | | | 10,229 |
| SUPERVISION, INSPECTION AND OVERHEAD (3%) | | | | | 307 |
| TOTAL REQUEST | | | | | 10,536 |
| MOST EXPENSIVE UNIT | | | | | \$174,000 |
| AREA COST FACTOR | | | | | 1.53 |
| 10. Description of Proposed Construction: Provides general interior and exterior renovation of 76 housing units. Includes utility upgrade and additions to meet current standards. Upgrades kitchens, bathrooms, improves floor plans, provides increased energy efficiency, privacy fencing, patios, playgrounds, and recreation areas. Includes demolition and asbestos/lead based paint removal. Grade Mix: 76 E1-E6 | | | | | |
| 11. REQUIREMENT: 4,559 UN ADEQUATE: 2,249 UN SUBSTANDARD: 894 UN PROJECT: Improve Military Family Housing (Phase 10). (Current Mission) REQUIREMENT: This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. This project is required to provide modern and efficient housing for military members and their dependents stationed at Elmendorf AFB. All units will meet whole house standards and are programmed in accordance with phase three of the Housing Community Plan. Neighborhood improvements are required and will include landscaping, playgrounds and recreation areas. CURRENT SITUATION: This project upgrades and modernizes houses which were constructed in 1954. These 44-year-old Sunflower housing units require major renovation and repair to correct deterioration resulting from age and heavy use. They have had no major upgrades since construction, do not meet the needs of today's families, and do not provide a modern home environment. Kitchens do not provide adequate storage, cabinet space or countertop area, and are not functionally arranged. Plumbing and lighting fixtures are deteriorated. The electrical and smoke alarm systems do not meet modern construction codes. Ground fault circuit interrupter | | | | | |

| | | |
|---|--|---------|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION ELMENDORF AIR FORCE BASE, ALASKA | | |
| 4. PROJECT TITLE IMPROVE FAMILY HOUSING PHASE 10 | 5. PROJECT NUMBER FXSB984416 | |
| <p>protection is not provided for bathrooms, kitchens, and exterior circuits. Flooring requires replacement. The units have inadequate living space and storage. Playgrounds, parking areas, and landscaping are inadequate to nonexistent.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Units will continue to deteriorate rapidly, resulting in increasing operations, maintenance and repair costs to the Government and inconvenience to residents. Without this project repair of these units will continue in a costly, piecemeal fashion with little or no improvement in living quality. The most recent Housing Market Analysis shows a housing deficit of 704 units.</p> <p><u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None.</p> <p><u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None.</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement was found to be the most cost effective over the life of the project. The cost to improve this housing is 64 percent of the replacement cost. Base Civil Engineer: Col Kevin Hansen, (907) 552-3007.</p> | | |

| | | | | | | |
|--|------------------|--|-------------------------|--|--------------|--|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | | 2. DATE | |
| AIR FORCE | | (computer generated) | | | | |
| 3. INSTALLATION AND LOCATION | | | | 4. PROJECT TITLE | | |
| LITTLE ROCK AIR FORCE BASE, AR | | | | IMPROVE CAPEHART FAMILY HOUSING, PHASE 1 | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | | |
| 8.87.42 | 711-111 | NKAK004011 | Auth: | | 4,196 | |
| | | | Appr: | | 1,156 | |
| 9. COST ESTIMATES | | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) | |
| IMPROVE CAPEHART FAMILY HOUSING, PHASE 1 | | UN | 83 | 39,175 | 3,252 | |
| SUPPORTING FACILITIES | | | | | 628 | |
| UTILITIES | | LS | | | (308) | |
| SITE IMPROVEMENTS | | LS | | | (152) | |
| PAVEMENTS | | LS | | | (40) | |
| ASBESTOS REMOVAL | | LS | | | (88) | |
| OTHER SUPPORTING FACILITIES | | LS | | | (40) | |
| SUBTOTAL | | | | | 3,880 | |
| CONTINGENCY (5%) | | | | | 194 | |
| TOTAL CONTRACT COST | | | | | 4,074 | |
| SUPERVISION, INSPECTION AND OVERHEAD (3%) | | | | | 122 | |
| TOTAL REQUEST | | | | | 4,196 | |
| MOST EXPENSIVE UNIT | | | | \$52,300 | | |
| AREA COST FACTOR | | | | 0.80 | | |
| 10. Description of Proposed Construction: Provide general interior and exterior modernization and renovation of 83 housing units. Includes utility upgrade and additions to meet current standards. Upgrade kitchens, laundry rooms, bathrooms and floor coverings, improve floor plans, provides increased energy efficiency, carports, storage, privacy fencing, patios, playgrounds and recreation areas. Grade Mix: 83 E5-E9. | | | | | | |
| 11. REQUIREMENT: 3,573 UN ADEQUATE: 2,008 UN SUBSTANDARD: 1,535 UN PROJECT: Improve Military Family Housing (Phase 1). This phase includes work on 83 three bedroom units. (Current Mission) REQUIREMENT: This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. This project is required to provide modern and efficient housing for military members and their dependents stationed at Little Rock AFB. The housing must be upgraded to meet current life safety codes and to provide a comfortable and appealing living environment. All units will meet whole house standards and are programmed in accordance with the Housing Community Plan. Single car garages and driveway parking will be provided where deficient. Neighborhood improvements are required and will include landscaping, playgrounds and recreation areas. CURRENT SITUATION: This project upgrades and modernizes housing which was constructed in 1958. The houses require major renovation and repair to correct deterioration resulting from age and heavy use. They have had no major upgrades since construction, and do not meet the needs of today's | | | | | | |

| | | |
|--|--|---------|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION LITTLE ROCK AIR FORCE BASE, AR | | |
| 4. PROJECT TITLE IMPROVE CAPEHART FAMILY HOUSING, PHASE 1 | 5. PROJECT NUMBER NKAK004011 | |
| <p>families, nor do they provide modern home improvement. Kitchen and bathroom cabinets and fixtures are deteriorated. The units are not energy efficient. Existing electrical system does not meet National Electrical Code requirements. Reconfiguration is required to alleviate lack of storage, cabinet and counter space. Flooring is stained, loose, and mismatched due to non-availability of original materials. Windows, siding, and insulation require replacement. Landscaping and recreation areas for housing residents are deficient. Pavement areas need renovation.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Units will continue to deteriorate rapidly, resulting in increasing operations, maintenance and repair costs to the Government and inconvenience to residents. Without this project, repair of these units will continue in a costly, piecemeal, fashion with little or no improvement in living quality. Housing Market Analysis shows a housing deficit of 30 units.</p> <p><u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None</p> <p><u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement was found to be the most cost efficient over the life of the project. The cost to improve this housing is 53% of the replacement cost. Base Civil Engineer: Lt Col Drew D. Jeter, (501) 987-3322.</p> | | |

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| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE | |
| AIR FORCE | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | 4. PROJECT TITLE | | |
| BOLLING AIR FORCE BASE DISTRICT OF COLUMBIA | | | | IMPROVE 6 GOQS | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | | |
| 8.87.42 | 711-144 | BXUR004001 | Auth: | 455 | | |
| | | | Appr: | 125 | | |
| 9. COST ESTIMATES | | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) | |
| IMPROVE 6 GOQS | | UN | 6 | 35,000 | 210 | |
| SUPPORTING FACILITIES | | | | | 211 | |
| REPAIR GARAGES/SUMMER HOUSES | | UN | 6 | 21,166 | (127) | |
| LANDSCAPING/WALKS/PATIO | | UN | 6 | 7,000 | (42) | |
| LEAD BASED PAINT ABATEMENT | | UN | 6 | 7,000 | (42) | |
| SUBTOTAL | | | | | 421 | |
| CONTINGENCY (5%) | | | | | 21 | |
| TOTAL CONTRACT COST | | | | | 442 | |
| SUPERVISION, INSPECTION AND OVERHEAD (3%) | | | | | 13 | |
| TOTAL REQUEST | | | | | 455 | |
| MOST EXPENSIVE UNIT | | | | | \$92,000 | |
| AREA COST FACTOR | | | | | 0.96 | |
| 10. Description of Proposed Construction: Improve the interior of 6 GOQs. Alter kitchen and sunroom floor layout. Upgrade kitchen & bath fixtures and finishes. Refinish/replace wood floors, doors, moulding and trim as required. Replace plaster ceilings with gypsum board and repair plaster walls. Upgrade utility systems. Install shelves/util. sink in laundry room. Repr. garages, summer houses, patios and walks & landscape. Grade Mix: 6 03-010. | | | | | | |
| 11. <u>PROJECT</u> : Improve 6 GOQ units. This is the first phase of 4 phases of improvement on 24 GOQ units of the same era (Current Mission). <u>REQUIREMENT</u> : This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. This project is required to modernize 6 GOQ units to bring them up to current Air Force and Contemporary living standards. This project is also required to provide necessary repairs and improve energy efficiency. <u>CURRENT SITUATION</u> : The 66 year old GOQ units do not meet current Air Force and contemporary living standards. The current layouts are obsolete and are not functional. All major systems are from the original construction. The plaster wall and ceiling systems are failing. Plaster ceilings are separating from the lath in many of the units. On several occasions, the ceilings have fallen. They are currently being jacked and secured on an as-needed basis. The electrical and mechanical systems are from the original construction. Both systems have been modified over the years to meet the needs of the occupants. The minor modifications to the | | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION BOLLING AIR FORCE BASE DISTRICT OF COLUMBIA | | |
| 4. PROJECT TITLE IMPROVE 6 GOQS | 5. PROJECT NUMBER BXUR004001 | |
| <p>systems have left them in a hodge podge state. The second floor areas require reconfiguration to provide adequate space for closets and bathrooms. Sunrooms and kitchens require reconfiguration to provide ample space for kitchen work centers. Repair and restoration are needed on fireplaces, floors, doors, trim, stair rails, garages and summer houses. Walks need repair/modification.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Failure to upgrade these housing units negatively impacts the quality of life, morale, government resources and will indirectly impact the mission.</p> <p><u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None</p> <p><u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement was found to be the most cost efficient over the life of the facilities. The cost to improve this housing is 30 percent of the replacement cost. Base Civil Engineer: Col E D. Mayfield, (202) 767-5565</p> | | |

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| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | 2. DATE | |
| AIR FORCE | | (computer generated) | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| HICKAM AIR FORCE BASE, HAWAII | | | IMPROVE FAMILY HOUSING PHASE 5 | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 8.87.42 | 711-111 | KNMD004401 | Auth: 16,900 Appr: 4,655 | | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| IMPROVE FAMILY HOUSING, PHASE 5 | | UN | 87 | 159,609 | 13,886 |
| SUPPORTING FACILITIES | | | | | 1,741 |
| UTILITIES | | LS | | | (535) |
| SITE IMPROVEMENTS | | LS | | | (550) |
| PAVEMENTS | | LS | | | (270) |
| ASBESTOS/LEAD-BASED PAINT REMOVAL | | LS | | | (206) |
| OTHER SUPPORTING FACILITIES | | LS | | | (180) |
| SUBTOTAL | | | | | 15,627 |
| CONTINGENCY (5%) | | | | | 781 |
| TOTAL CONTRACT COST | | | | | 16,408 |
| SUPERVISION, INSPECTION AND OVERHEAD (3%) | | | | | 492 |
| TOTAL REQUEST | | | | | 16,900 |
| MOST EXPENSIVE UNIT | | | | | \$251,635 |
| AREA COST FACTOR | | | | | 1.46 |
| 10. Description of Proposed Construction: Provides general interior and exterior renovation of 87 housing units. Includes utility upgrade and additions to meet current standards. Upgrade kitchens, bathrooms, improves floor plans, provides increased energy efficiency, privacy fencing, patios, playgrounds, and recreation areas. Includes asbestos and lead-based paint removal. Grade Mix: 3 GO, 84 E1-E6 | | | | | |
| 11. REQUIREMENT: 3,329 UN ADEQUATE: 1,151 UN SUBSTANDARD: 2,140 UN PROJECT: Improve Military Family Housing (Phase 5). This phase includes work on three General Officers Quarters (Current Mission). REQUIREMENT: This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. This project is required to provide modern and efficient housing for military members and their dependents stationed at Hickam AFB. Housing must be upgraded to meet current life safety codes and to provide a comfortable and appealing living environment. All units will meet whole house standards and are programmed in accordance with phase two of the Housing Community Plan. Carports will be provided where deficient. Units will be air conditioned. Neighborhood improvements are required and will include landscaping and playgrounds. CURRENT SITUATION: This project upgrades and modernizes houses which were constructed in 1939 and in 1959. They have had no major upgrades since construction, do not meet the needs of today's families, and do not provide a modern home environment. Kitchens do not provide adequate storage, cabinet space or countertop area, and are not functionally arranged. Plumbing and lighting fixtures are deteriorated. The | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII | | |
| 4. PROJECT TITLE IMPROVE FAMILY HOUSING PHASE 5 | 5. PROJECT NUMBER KNMD004401 | |
| <p>electrical and smoke alarm systems do not meet modern construction codes. Ground fault circuit interrupter protection is not provided for bathrooms, kitchens, and exterior circuits. Flooring, windows, and roofing require replacement. The units have inadequate living space and storage. Playgrounds, parking areas, and landscaping are inadequate to nonexistent.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Units will continue to deteriorate rapidly, resulting in increasing operations, maintenance and repair costs to the Government and inconvenience to residents. Without this project repair of these units will continue in a costly, piecemeal fashion with little or no improvement in living quality. The most recent Housing Market Analysis shows a housing deficit of 65 units.</p> <p><u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None.</p> <p><u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None.</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement was found to be the most cost efficient over the life of the project. The cost to improve this housing is 66 percent of the replacement cost. The three GOQs are within a district which has been nominated to the National Register for Historic Places. Base Civil Engineer: Lt Col Linden Torchia, (808) 449-1660.</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | | 2. DATE |
| AIR FORCE | (computer generated) | | | |
| 3. INSTALLATION AND LOCATION | | 4. PROJECT TITLE | | |
| HICKAM AIR FORCE BASE, HAWAII | | IMPROVE FAMILY HOUSING PHASE 7 | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | |
| 8.87.42 | 711-111 | KNMD004402 | Auth. | 12,450 |
| | | | Appr: | 3,429 |
| 9. COST ESTIMATES | | | | |
| ITEM | U/M | QUANTITY | UNIT COST | COST (\$000) |
| IMPROVE FAMILY HOUSING, PHASE 7 | UN | 62 | 158,370 | 9,819 |
| SUPPORTING FACILITIES | | | | 1,692 |
| UTILITIES | LS | | | (520) |
| SITE IMPROVEMENTS | LS | | | (531) |
| PAVEMENTS | LS | | | (261) |
| ASBESTOS/LEAD-BASED PAINT REMOVAL | LS | | | (200) |
| OTHER SUPPORTING FACILITIES | LS | | | (180) |
| SUBTOTAL | | | | 11,511 |
| CONTINGENCY (5%) | | | | 576 |
| TOTAL CONTRACT COST | | | | 12,087 |
| SUPERVISION, INSPECTION AND OVERHEAD (3%) | | | | 363 |
| TOTAL REQUEST | | | | 12,450 |
| MOST EXPENSIVE UNIT | | | | \$268,909 |
| AREA COST FACTOR | | | | 1.46 |
| 10. Description of Proposed Construction: Provides general interior and exterior renovation of 62 housing units. Includes utility upgrade and additions to meet current standards. Upgrade kitchens, bathrooms, improves floor plans, provides increased energy efficiency, privacy fencing, patios, playgrounds, and recreation areas. Includes asbestos and lead-based paint removal. Grade Mix: 62 E1-E6 | | | | |
| 11. REQUIREMENT: 3,329 UN ADEQUATE: 1,151 UN SUBSTANDARD: 2,140 UN PROJECT: Improve Military Family Housing (Phase 7). (Current Mission). REQUIREMENT: This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. This project is required to provide modern and efficient housing for military members and their dependents stationed at Hickam AFB. Housing must be upgraded to meet current life safety codes and to provide a comfortable and appealing living environment. All units will meet whole house standards and are programmed in accordance with phase two of the Housing Community Plan. Carports will be provided where deficient. Units will be air conditioned. Neighborhood improvements are required and will include landscaping, playgrounds and recreation areas. CURRENT SITUATION: This project upgrades and modernizes houses which were constructed in 1959. They have had no major upgrades since construction, do not meet the needs of today's families, and do not provide a modern home environment. Kitchens do not provide adequate storage, cabinet space or countertop area, and are not functionally arranged. Plumbing and lighting fixtures are deteriorated. The electrical and smoke alarm systems do not meet modern construction codes. Ground fault circuit | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII | | |
| 4. PROJECT TITLE IMPROVE FAMILY HOUSING PHASE 7 | 5. PROJECT NUMBER KNMD004402 | |
| <p>interrupter protection is not provided for bathrooms, kitchens, and exterior circuits. Flooring, windows, and roofing require replacement. The units have inadequate living space and storage. Playgrounds, parking areas, and landscaping are inadequate to nonexistent.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Units will continue to deteriorate rapidly, resulting in increasing operations, maintenance and repair costs to the Government and inconvenience to residents. Without this project repair of these units will continue in a costly, piecemeal fashion with little or no improvement in living quality. The most recent Housing Market Analysis shows a housing deficit of 65 units.</p> <p><u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None.</p> <p><u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None.</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement was found to be the most cost efficient over the life of the project. The cost to improve this housing is 66 percent of the replacement cost. Base Civil Engineer: Lt Col Linden Torchia, (808) 449-1660.</p> | | |

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| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE | |
| AIR FORCE | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| ANDREWS AIR FORCE BASE, MARYLAND | | | IMPROVE FAMILY HOUSING PH 4 | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 8.87.42 | 711-142 | AJXF004005 | Auth: | 8,635 | |
| | | | Auth: | 2,379 | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| IMPROVE FAMILY HOUSING PH 4 | | UN | 80 | 80,925 | 6,474 |
| SUPPORTING FACILITIES | | | | | 1,284 |
| SITE WORK | | LS | | | (535) |
| ASBESTOS/LEAD BASED PAINT ABATEMENT | | LS | | | (226) |
| ASSOCIATED NEIGHBORHOOD | | LS | | | (523) |
| SUBTOTAL | | | | | 7,758 |
| CONTINGENCY (5%) | | | | | 388 |
| TOTAL CONTRACT COST | | | | | 8,146 |
| SUPERVISION, INSPECTION AND OVERHEAD (6%) | | | | | 489 |
| TOTAL REQUEST | | | | | 8,635 |
| MOST EXPENSIVE UNIT | | | | | \$125,000 |
| AREA COST FACTOR | | | | | 0.96 |
| 10. Description of Proposed Construction: Reconfigure portions of the first floor to allow the rearrangement of the kitchen, laundry area, and storage closet in three-bedroom units. Reconfigure the foyer, kitchen, laundry area, and storage area in four-bedrooms units. Upgrade electrical and mechanical systems. Landscape and provide neighborhood signs. Grade Mix: 22 E1-E4; 58 E5-E9. | | | | | |
| 11. REQUIREMENT: 4,498 UN ADEQUATE: 1,969 UN SUBSTANDARD: 1,789 UN PROJECT: Improve Family Housing (Phase E4) (Current Mission) REQUIREMENT: This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. This project is programmed to meet "whole house" standards in accordance with the Housing Community Plan. All units require an addition to the front of the unit. The three-bedroom units will expand the family room and bedroom. This will provide an opportunity to rearrange the kitchen, add a coat closet, and reconfigure portions of the second floor. The four-bedroom units will be reconfigured to allow an improved kitchen, living room, and dining room, and create a secondary eating area. CURRENT SITUATION: These 60 three-bedroom and 20 four-bedroom units were built in 1972. This phase includes four 8-plexes, five 6-plexes, three 4-plexes, and three duplexes. These two-story units are standard wood frame construction with a slab on grade foundation. They have received no major upgrades since construction and do not meet the needs of today's families. Bathroom vanities, wall covering, ceramic tile, and fixtures | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION ANDREWS AIR FORCE BASE, MARYLAND | | |
| 4. PROJECT TITLE IMPROVE FAMILY HOUSING PH 4 | 5. PROJECT NUMBER AJXF004005 | |
| <p>need to be replaced. Space heating is provided by a gas-fire forced air system which needs to be replaced with a high-efficiency system. In addition, there are no GFCI receptacles in these units.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Air Force members and families will continue to be inadequately housed. Units will continue to deteriorate resulting in escalating operations, maintenance, and repair costs to the Government.</p> <p><u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> FY98 - AJXF944023, Rpl Siding/Windows, FY72 Enl (\$11K/unit).</p> <p><u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, improvement and status quo operations. Based on the net present values and benefits of the respective alternatives, improvement was found to be most cost effective over the life of the project. The cost to improve these units is 60% of the replacement cost. The construction agent for this project is the Naval Facilities Engineering Command resulting in SIOH costs of 6 percent. Base Civil Engineer: Lt Col Edward J. Pokora (301) 981-7281</p> | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | | 2. DATE |
| AIR FORCE | (computer generated) | | | |
| 3. INSTALLATION AND LOCATION | | 4. PROJECT TITLE | | |
| ANDREWS AIR FORCE BASE MARYLAND | | IMPROVE FAMILY HOUSING, PH E1 | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | |
| 8.87.42 | 711-142 | AJXF004008 | Auth: | 5,791 |
| | | | Appr: | 1,595 |

9. COST ESTIMATES

| ITEM | U/M | QUANTITY | UNIT COST | COST (\$000) |
|---|-----|----------|-----------|--------------|
| IMPROVE FAMILY HOUSING, PH E1 | UN | 54 | 76,074 | 4,108 |
| SUPPORTING FACILITIES | | | | 1,095 |
| SITE WORK | UN | 1,000 | 650 | (650) |
| ASBESTOS/LEAD-BASED PAINT ABATEMENT | LS | | | (145) |
| ASSOCIATED NEIGHBORHOOD | LS | | | (300) |
| SUBTOTAL | | | | 5,203 |
| CONTINGENCY (5%) | | | | 260 |
| TOTAL CONTRACT COST | | | | 5,463 |
| SUPERVISION, INSPECTION AND OVERHEAD (6%) | | | | 328 |
| TOTAL REQUEST | | | | 5,791 |
| MOST EXPENSIVE UNIT | | | \$121,000 | |
| AREA COST FACTOR | | | 0.96 | |

10. Description of Proposed Construction: Improve 54 housing units. add space to rearrange the kitchen, living room and dining room, and create a secondary eating area. Add full bathroom and new laundry area on second floor. Provide storage shed/patio/privacy fence and sidewalks. Upgrade electrical and mechanical systems. Replace potable water lines to main. Landscape and provide neighborhood entry signs.
Grade Mix: 25 E1-E4; 29 E5-E9.

11. REQUIREMENT: 4,498 UN ADEQUATE: 1,969 UN SUBSTANDARD: 1,789 UN
PROJECT: Improve Family Housing (Phase E1) (Current Mission)
REQUIREMENT: This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. This project is programmed to meet "whole house" standards in accordance with the Housing Community Plan. The three bedroom units will require an addition to provide space to rearrange the kitchen, living room, and dining room and create a secondary eating area. This will improve unit layout and bring the net floor area up to what is authorized. Also, a full bathroom will be added on the second floor. The two four-bedroom units will require the relocation of the first floor half bathroom to create a dedicated laundry/storage room.
CURRENT SITUATION: These 52 three-bedroom and two four-bedroom units were built in 1970. This phase is considered Level 1 in the Family Housing Assessment Survey. This phase includes two 6-plexes, eight 4-plexes, and seven duplexes. These two-story units are standard wood frame construction with a slab on grade foundation. They have received no major

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION ANDREWS AIR FORCE BASE MARYLAND | | |
| 4. PROJECT TITLE IMPROVE FAMILY HOUSING, PH E1 | 5. PROJECT NUMBER AJXF004008 | |
| <p>upgrades since construction and do not meet the needs of today's families. Bathrooms lack vanities, wall covering, ceramic tile, and fixtures need to be replaced. Space heating is provided by a gas-fired forced air furnace system which is in poor condition. All exterior wood siding, fascia and trim need to be replaced with vinyl soffits and vinyl clad fascia. The bathrooms and outdoor outlets have no ground fault circuit interrupters.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Air Force members and families will continue to be inadequately housed. Units will continue to deteriorate resulting in escalating operations, maintenance and repair costs to the Government.</p> <p><u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None</p> <p><u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, improvement, and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement was found to be the most cost efficient over the life of the project. The cost to improve these units is 61% of the replacement cost. The construction agent for this project is the Naval Facilities Engineering Command resulting in SIOH costs of 6 percent. Base Civil Engineer: Lt Col Edward J. Pokora (301) 981-7281</p> | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE |
| 3. INSTALLATION AND LOCATION MALMSTROM AIR FORCE BASE, MONTANA | | 4. PROJECT TITLE IMPROVE CAPEHART FAMILY HOUSING | | |
| 5. PROGRAM ELEMENT 8.87.42 | 6. CATEGORY CODE 711-111 | 7. PROJECT NUMBER NZAS8600017 | 8. PROJECT COST (\$000) Auth. 5,810 Appr: 1,600 | |
| 9. COST ESTIMATES | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST (\$000) |
| IMPROVE CAPEHART FAMILY HOUSING | | UN | 46 | 81,239 |
| SUPPORTING FACILITIES | | | | 1,635 |
| ASBESTOS/LEAD-BASED PAINT ABATEMENT | | LS | | (234) |
| COMMUNITY IMPROVEMENTS | | LS | | (401) |
| UNDERGROUND UTILITIES | | LS | | (338) |
| LANDSCAPING | | LS | | (374) |
| ROAD AND SIDEWALK IMPROVEMENTS | | LS | | (288) |
| SUBTOTAL | | | | 5,372 |
| CONTINGENCY (5%) | | | | 269 |
| TOTAL CONTRACT COST | | | | 5,641 |
| SUPERVISION, INSPECTION AND OVERHEAD (3%) | | | | 169 |
| TOTAL REQUEST | | | | 5,810 |
| MOST EXPENSIVE UNIT | | | \$99,720 | |
| AREA COST FACTOR | | | 1.16 | |
| 10. Description of Proposed Construction: Improves 46 company and field grade officer units (40 O1-03 and 6 O4 units) through the construction of family/living room additions, patios or decks, privacy fences and exterior storage. Complete interior renovation and repairs and insulation of basement walls. Provides utility system upgrade, pavement repair and landscaping. Includes demolition and asbestos/lead-based paint removal. | | | | |
| 11. REQUIREMENT: 1,393 UN ADEQUATE: 355 UN SUBSTANDARD: 1,038 UN PROJECT: Improve Military Family Housing (Phase 3). This phase includes work on 46 Company and Field Grade Officer units. (Current Mission). REQUIREMENT: This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. This project will provide modern, energy efficient housing for assigned personnel and their dependents. All units will meet "Whole House" standards in accordance with Phase B of the HCP. Improvements include converting carports into garages, complete with mud/laundry area and construction of an addition to provide a larger kitchen/dining area. Interior alterations include improvements to the bathrooms, closets, fixtures, kitchen cabinets/counter tops and constructing a family/activity room. CURRENT SITUATION: These military family housing units were constructed between 1961 and 1963 and have not had a significant renovation or upgrade since initial construction. These units are from 129 to 470 net square feet short in the living and family room areas. The existing exterior storage is inadequate and does not meet the needs of the housing occupants. The units do not have patios, decks or privacy fences. The | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION MALMSTROM AIR FORCE BASE, MONTANA | | |
| 4. PROJECT TITLE IMPROVE CAPEHART FAMILY HOUSING | 5. PROJECT NUMBER NZAS8600017 | |
| <p>electrical convenience outlets in the carports and bathrooms are not the ground fault type required by the National Electric Code. Since the basement walls and joist cavity are not insulated, the units are drafty and not energy efficient. The electrical distribution and street lighting systems are 1960 vintage and require replacement. The landscaping is very limited.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Air Force members and their families will continue to be housed in inadequate housing units, resulting in low morale and retention problems since suitable, affordable off-base housing is not available. Units will continue to deteriorate rapidly, resulting in increasing operations, maintenance and repair costs to the Government and inconvenience to residents.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facilities Planning and Design Guide". An economic analysis is being prepared comparing the alternatives of new construction and revitalization. Based on preliminary analysis, revitalization was determined to be the most cost effective. Cost to improve unit is 59% of the cost to replace. BASE CIVIL ENGINEER: L. G. DICKINSON, LT COL, USAF; DSN 632-6188 COMM (406) 731-6188</p> | | |

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| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE | |
| AIR FORCE | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| MCGUIRE AIR FORCE BASE, NEW JERSEY | | | IMPROVE FAMILY HOUSING PH 7 | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 8.87.42 | 711-111 | PTFL014001 | Auth: | 4,100 | |
| | | | Appr: | 1,129 | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| IMPROVE FAMILY HOUSING PH 7 | | UN | 34 | 78,294 | 2,662 |
| SUPPORTING FACILITIES | | | | | 1,032 |
| PAVEMENTS | | LS | | | (212) |
| UTILITIES | | LS | | | (258) |
| LANDSCAPING | | LS | | | (183) |
| DEMOLITION | | LS | | | (245) |
| ASBESTOS/LEAD BASED PAINT REMOVAL | | LS | | | (134) |
| SUBTOTAL | | | | | 3,694 |
| CONTINGENCY (5%) | | | | | 185 |
| TOTAL CONTRACT COST | | | | | 3,879 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 221 |
| TOTAL REQUEST | | | | | 4,100 |
| MOST EXPENSIVE UNIT | | | | \$136,746 | |
| AREA COST FACTOR | | | | 1.15 | |
| 10. Description of Proposed Construction: Interior and exterior modernization and renovation of 34 housing units. Upgrades kitchens, bathrooms, floor coverings, improves floorplans, increases energy efficiency, privacy fencing, patios, playgrounds, covered parking, and recreation areas. Includes demolition and asbestos/lead-based paint removal. Grade Mix: 34 E1-E4. | | | | | |
| 11. REQUIREMENT: 2,603 UN ADEQUATE: 673 UN SUBSTANDARD: 1,504 UN PROJECT: Improve Family Housing (Phase 7). (Current Mission) REQUIREMENT: This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. This project is required to provide modern and efficient housing for military members and their dependents stationed at McGuire AFB. This is one of multiple phases to upgrade housing units at McGuire. All units will meet "whole house" standards and are programmed in accordance with the Housing Community plan. Project will renovate 12 three bedroom units and 22 two bedroom units. CURRENT SITUATION: This phase consists of four 4-plexes and three 6-plexes. These units were constructed in 1959 and require major renovation to correct deterioration resulting from age and heavy use. They have had only routine maintenance and repairs since construction and do not meet the need of today's families nor provide a modern home environment. Kitchen and bathroom cabinets and fixtures are obsolete. Plumbing and lighting fixtures are deteriorated. Electrical systems do | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION MCGUIRE AIR FORCE BASE, NEW JERSEY | | |
| 4. PROJECT TITLE IMPROVE FAMILY HOUSING PH 7 | 5. PROJECT NUMBER PTFL014001 | |
| <p>not meet current safety codes. Ground Fault Circuit Interrupter protection is not provided. Siding and insulation require replacement. The units have inadequate storage and no backyard privacy. Cable and telephone wiring is exposed. Landscaping and recreation areas for housing residents are deficient.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Air Force members and families will continue to be inadequately housed. Low morale and retention problems can be expected since suitable, affordable off-base housing is not available. The most recent Housing Market Analysis shows an on-base deficit of 68 units. Units will continue to deteriorate resulting in escalating operations, maintenance and repair costs to the Government.</p> <p><u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> FY98, Replace Domestic Hot Water Lines, 2800 Area \$2K/unit; FY98, Repair Roofing, FCE \$2K/unit.</p> <p><u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, improvement, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement was found to be the most cost efficient over the life of the project. The construction agent is the Army Corps of Engineers resulting in an SIOH cost of 5.7%. The cost to improve this housing is 62% of the replacement cost. Base Civil Engineer: Lt Col Sebastian V. Romano III, (609) 724-2642.</p> | | |

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|---|--|------------------------|-------------------------|-------------|--------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | | 2. DATE | |
| AIR FORCE | (computer generated) | | | | |
| 3. INSTALLATION AND LOCATION | | 4. PROJECT TITLE | | | |
| LANGLEY AIR FORCE BASE, VIRGINIA | | IMPROVE FAMILY HOUSING | | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 8.87.42 | 711-000 | MUHJ020200 | Auth: 4,000 | Appr: 1,102 | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| IMPROVE FAMILY HOUSING | | EA | 23 | 156,708 | 3,604 |
| SUBTOTAL | | | | | 3,604 |
| CONTINGENCY (5%) | | | | | 180 |
| TOTAL CONTRACT COST | | | | | 3,784 |
| SUPERVISION, INSPECTION AND OVERHEAD (5.7%) | | | | | 216 |
| TOTAL REQUEST | | | | | 4,000 |
| MOST EXPENSIVE UNIT | | | | | \$300,000 |
| AREA COST FACTOR | | | | | 0.91 |
| 10. Description of Proposed Construction: Whole house renovation of 23 historic houses including 7 GOQs and all necessary support. This project upgrades systems to renovate each facility to meet current standards without compromising the architectural integrity of the facility. Includes mechanical, electrical, and plumbing systems, air conditioning/heating, kitchens, baths, lighting, and exterior repairs to revitalize the units. | | | | | |
| 11. PROJECT: Improve Historic Housing. (Current Mission) <u>REQUIREMENT:</u> This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. Renovate 23 existing historic units, remaining within historic guidelines. This project will renovate the units to "Whole House standards. This project will install insulation, repair exterior surfaces; replace slate roof system; replace windows; replace kitchen floors, cabinets, countertops, vanities, and appliances; repair/refinish all interior surfaces; renovate interior hardware; install bathroom vents; replace HVAC system; replace/repair electrical system; prewire for telephone installation; remove/dispose of asbestos/lead paint; repair driveways, sidewalks, and landscaping. <u>CURRENT SITUATION:</u> The houses were constructed in 1934. Periodic maintenance occurred in the past 65 years, with some systems upgraded as they failed, but the units have never received a complete renovation. Structural and building components continue to deteriorate, with leaks causing interior damage. The existing lead-based paint poses a health risk to occupants. Forced-air heating was installed in the 1960s, is inefficient, and does not adequately distribute air. Cracked exterior | | | | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION LANGLEY AIR FORCE BASE, VIRGINIA | | |
| 4. PROJECT TITLE | 5. PROJECT NUMBER MUHJ020200 | |
| <p>pavement is a tripping hazard, and causes rainwater to collect around foundation areas.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Continuing deterioration of the facility will incur increased maintenance and repair costs, requiring increased efforts to keep the house in habitable condition.</p> <p><u>ADDITIONAL:</u> This project meets the criteria/scope identified in Part II of Military Handbook 1190, "Facility Planning Design Guide." The supervision, inspection, and overhead is 5.7% due to having the Army Corps of Engineers as the design/construction agent. Since this is improvement housing there will be no increase in the student population or impact on the ability of the local school district to support base dependents. Base Civil Engineer: Col Gordon R. Janiec (806) 764-2025.</p> | | |

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|---|--|------------------------|-------------------------|-----------|--------------|
| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE | |
| AIR FORCE | | | | | |
| 3. INSTALLATION AND LOCATION | | 4. PROJECT TITLE | | | |
| RAMSTEIN AIR BASE, GERMANY (LANDSTUHL) | | IMPROVE FAMILY HOUSING | | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 8.87.42 | 711-161 | MTMN004528 | Auth: | 8,910 | |
| | | | Appr: | 2,454 | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| IMPROVE FAMILY HOUSING | | UN | 65 | 122,338 | 7,952 |
| SUPPORTING FACILITIES | | | | | 286 |
| SITE WORK | | LS | | | (286) |
| SUBTOTAL | | | | | 8,238 |
| CONTINGENCY (5%) | | | | | 412 |
| TOTAL CONTRACT COST | | | | | 8,650 |
| SUPERVISION, INSPECTION AND OVERHEAD (3%) | | | | | 260 |
| TOTAL REQUEST | | | | | 8,910 |
| MOST EXPENSIVE UNIT | | | | | \$165,000 |
| AREA COST FACTOR | | | | | 1.47 |
| 10. Description of Proposed Construction: Provides general interior and exterior modernization and renovation. Constructs bathroom and laundry addition "Wet Cells" on three and four bedroom type homes. Upgrades kitchens, bathrooms, and floor coverings, stairwells & entryways, provides increased energy efficiency, corrects fire deficiencies, and adds balconies. Includes demolition and asbestos/Lead-Base Paint removal. Grade Mix: 16 O3-O10; 36 E1-E4; 13 E5-E9. | | | | | |
| 11. REQUIREMENT: 5,107 UN ADEQUATE: 1,763 UN SUBSTANDARD: 3,344 UN PROJECT: Improve Military Family Housing (This continues Phases A, B, & J of the Ramstein AB Housing Community Plan). REQUIREMENT: This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. This project will provide modern and efficient housing for military members and their dependents at Ramstein AB. The housing must be upgraded to meet current life safety codes and to provide a comfortable living environment. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. Renovated homes will provide a modern kitchen, living room, family room, bedroom and bathroom configuration, with ample interior and exterior storage. Living units will be expanded to provide a second bath and an interior laundry area "Wet Cell." CURRENT SITUATION: This project upgrades and modernizes housing which was constructed in 1957. These 43 year old houses require major renovation and repair to correct deterioration resulting from age and heavy use. | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY (LANDSTUHL) | | |
| 4. PROJECT TITLE IMPROVE FAMILY HOUSING | 5. PROJECT NUMBER MTMN004528 | |
| <p>They have had no major upgrades since construction, and do not meet the need of today's families, nor do they provide a modern home environment. Air Force Homes in Germany are constructed in 3 and 4 story stairwell type buildings. Laundry rooms are community-use located in the basement. Kitchen and bathroom cabinets and fixtures are obsolete and deteriorated. Wall and floor tiles are old, cracked, and mis-matched. Plumbing and lighting fixtures are deteriorated. Electrical systems do not meet modern construction codes; Ground Fault Interrupter protection is not provided for bathrooms, kitchens and exterior circuits. Roofs and windows need repair or replacement. Balconies are deteriorated; many are closed due to safety hazard and risk of structural failure. Some homes do not have balconies resulting in no private outdoor areas for residents.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Units will continue to deteriorate, resulting in increasing operations, maintenance and repair costs to the Government and inconvenience to residents. Families will be forced to take children up and down two to four flights of stairs to perform laundry in the basement. Low morale and retention problems can be expected if such conditions continue to exist.</p> <p><u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None</p> <p><u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement was found to be the most cost efficient over the life of the project. The cost to improve this housing is 63% of the replacement cost. This project is not eligible for NATO funding. BCE: Col Scott L. Smith 49-06371-47-6228</p> | | |

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|---|------------------|--|-------------------------|-----------|--------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | 2. DATE | |
| AIR FORCE | | (computer generated) | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| RAMSTEIN AIR BASE, GERMANY (VOGELWEH) | | | IMPROVE FAMILY HOUSING | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 8.87.42 | 711-161 | YANB004523 | Auth: | 11,650 | |
| | | | Appr: | 3,209 | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| IMPROVE FAMILY HOUSING | | UN | 96 | 112,208 | 10,772 |
| SUBTOTAL | | | | | 10,772 |
| CONTINGENCY (5%) | | | | | 539 |
| TOTAL CONTRACT COST | | | | | 11,311 |
| SUPERVISION, INSPECTION AND OVERHEAD (3%) | | | | | 339 |
| TOTAL REQUEST | | | | | 11,650 |
| MOST EXPENSIVE UNIT | | | | | \$158,000 |
| AREA COST FACTOR | | | | | 1.47 |
| 10. Description of Proposed Construction: Provides general interior and exterior modernization and renovation. Constructs bathroom and laundry addition "Wet Cells" on three bedroom type homes. Upgrades kitchens, bathrooms, and floor coverings, stairwells & entryways, provides increased energy efficiency, corrects fire deficiencies, and adds balconies. Includes demolition and asbestos/Lead-Base Paint removal. Grade Mix: 64 E1-E4; 32 E5-E9. | | | | | |
| 11. REQUIREMENT: 5,107 UN ADEQUATE: 1,763 UN SUBSTANDARD: 3,344 UN PROJECT: Improve Military Family Housing (This continues Phases F of the Ramstein AB Housing Community Plan). REQUIREMENT: This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. This project is required to provide modern and efficient housing for military members and their dependents at Ramstein AB. The housing must be upgraded to meet current life safety codes and to provide a comfortable living environment. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. Renovated homes will provide a modern kitchen, living room, family room, bedroom and bathroom configuration. Living units will be expanded to provide a second bath and an interior laundry area "Wet Cell." CURRENT SITUATION: This project upgrades and modernizes housing which was constructed in 1951. These 49 year old houses require major renovation and repair to correct deterioration resulting from age and heavy use. | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY (VOGELWEH) | | |
| 4. PROJECT TITLE IMPROVE FAMILY HOUSING | 5. PROJECT NUMBER YANB004523 | |
| <p>They have had no major upgrades since construction, and do not meet the need of today's families, nor do they provide a modern home environment. Air Force Homes in Germany are constructed in 3 and 4 story stairwell type buildings. Laundry rooms are community-use located in the basement. Kitchen and bathroom cabinets and fixtures are obsolete and deteriorated. Wall and floor tiles are old, cracked, and mis-matched. Plumbing and lighting fixtures are deteriorated. Electrical systems do not meet modern construction codes; Ground Fault Interrupter protection is not provided for bathrooms, kitchens and exterior circuits. Roofs and windows need repair or replacement. Balconies are not available as outdoor privacy areas for residents.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Units will continue to deteriorate, resulting in increasing operations, maintenance and repair costs to the Government and inconvenience to residents. Families will be forced to take children up and down two to four flights of stairs to perform laundry in the basement. Low morale and retention problems can be expected if such conditions continue to exist.</p> <p><u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None</p> <p><u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project. Base Civil Engineer: Col Scott L. Smith, 49-06371-47-6228</p> | | |

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| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE | |
| AIR FORCE | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | 4. PROJECT TITLE | | |
| RAMSTEIN AIR BASE, GERMANY (VOGELWEH) | | | | IMPROVE FAMILY HOUSING | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | | |
| 8.87.42 | 711-161 | YANB964513 | Auth: | | 8,500 | |
| | | | Appr: | | 2,341 | |
| 9. COST ESTIMATES | | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) | |
| IMPROVE FAMILY HOUSING | | UN | 62 | 126,760 | 7,859 | |
| SUBTOTAL | | | | | 7,859 | |
| CONTINGENCY (5%) | | | | | 393 | |
| TOTAL CONTRACT COST | | | | | 8,252 | |
| SUPERVISION, INSPECTION AND OVERHEAD (3%) | | | | | 248 | |
| TOTAL REQUEST | | | | | 8,500 | |
| MOST EXPENSIVE UNIT | | | | | \$165,000 | |
| AREA COST FACTOR | | | | | 1.47 | |
| 10. Description of Proposed Construction: Provides general interior and exterior modernization and renovation. Constructs bathroom and laundry addition "Wet Cells" on three and four bedroom type homes. Upgrades kitchens, bathrooms, and floor coverings, stairwells & entryways, provides increased energy efficiency, corrects fire deficiencies, and adds balconies. Includes demolition and asbestos/Lead-Base Paint removal. Grade Mix: 56 E1-E4; 6 E5-E9. | | | | | | |
| 11. REQUIREMENT: 5,107 UN ADEQUATE: 1,763 UN SUBSTANDARD: 3,344 UN PROJECT: Improve Military Family Housing (This continues Phases F&G of the Ramstein AB Housing Community Plan). REQUIREMENT: This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. This project is required to provide modern and efficient housing for military members and their dependents stationed at Ramstein AB. The housing must be upgraded to meet current life safety codes and to provide a comfortable and appealing living environment. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. Living units will be expanded to provide a second bath and an interior laundry area "Wet Cell." CURRENT SITUATION: This project upgrades and modernizes housing which was constructed in 1951. These 49 year old houses require major renovation and repair to correct deterioration resulting from age and heavy use. They have had no major upgrades since construction, and do not meet the need of today's families, nor do they provide a modern home environment. | | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION RAMSTEIN AIR BASE, GERMANY (VOGELWEH) | | |
| 4. PROJECT TITLE IMPROVE FAMILY HOUSING | 5. PROJECT NUMBER YANB964513 | |
| <p>Air Force Homes in Germany are constructed in 3 and 4 story stairwell type buildings. Laundry rooms are community-use located in the basement. Kitchen and bathroom cabinets and fixtures are obsolete and deteriorated. Wall and floor tiles are old, cracked, and mis-matched. Plumbing and lighting fixtures are deteriorated. Electrical systems do not meet modern construction codes; Ground Fault Interrupter protection is not provided for bathrooms, kitchens and exterior circuits. Roofs and windows need repair or replacement. Balconies are not available as outdoor privacy areas for residents.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Units will continue to deteriorate, resulting in increasing operations, maintenance and repair costs to the Government and inconvenience to residents. Families will be forced to take children up and down two to four flights of stairs to perform laundry in the basement. Low morale and retention problems can be expected if such conditions continue to exist.</p> <p><u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None</p> <p><u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement was found to be the most cost efficient over the life of the project. The cost to improve this housing is 63% of the replacement cost. This project is not eligible for NATO funding. BCE: Col Scott L. Smith 49-06371-47-6228</p> | | |

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| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE | |
| AIR FORCE | | | | | | |
| 3. INSTALLATION AND LOCATION | | | | 4. PROJECT TITLE | | |
| SPANGDAHLEM AIR BASE, GERMANY | | | | IMPROVE FAMILY HOUSING | | |
| 5. PROGRAM ELEMENT | | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 8.87.42 | | 711-161 | VYHK014002T | Auth: | 3,134 | |
| | | | | Appr: | 863 | |
| 9. COST ESTIMATES | | | | | | |
| ITEM | | | | U/M | QUANTITY | UNIT COST |
| | | | | | | COST (\$000) |
| IMPROVE FAMILY HOUSING | | | | UM | 20 | 144,880 |
| SUBTOTAL | | | | | | 2,898 |
| CONTINGENCY (5%) | | | | | | 145 |
| TOTAL CONTRACT COST | | | | | | 3,043 |
| SUPERVISION, INSPECTION AND OVERHEAD (3%) | | | | | | 91 |
| TOTAL REQUEST | | | | | | 3,134 |
| MOST EXPENSIVE UNIT | | | | | | \$163,600 |
| AREA COST FACTOR | | | | | | 1.28 |
| 10. Description of Proposed Construction: Provides general interior and exterior modernization and renovation. Upgrades kitchens, bathrooms, and floor coverings, stairwells & entryways, provides increased energy efficiency, corrects fire deficiencies, and replaces balconies. Includes demolition and asbestos/Lead-Base Paint removal. Grade Mix: 20 E5-E9. | | | | | | |
| 11. REQUIREMENT: 1,696 UN ADEQUATE: 480 UN SUBSTANDARD: 1,216 UN PROJECT: Improve Military Family Housing (This is a continuing phase of the Spangdahlem AB Housing Community Plan) REQUIREMENT: This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. This project is required to provide modern and efficient housing for military members and their dependents at Ramstein AB. The housing must be upgraded to meet current life safety codes and to provide a comfortable and appealing living environment comparable to the off-base civilian community. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. Renovated homes will provide a modern kitchen, living room, family room, bedroom and bathroom configuration, with ample interior and exterior storage. CURRENT SITUATION: This project upgrades and modernizes housing which was constructed in 1956. These 45 year old houses require major renovation and repair to correct deterioration resulting from age and heavy use. They have had no major upgrades since construction, and do not meet the | | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY | | |
| 4. PROJECT TITLE IMPROVE FAMILY HOUSING | 5. PROJECT NUMBER VYHK014002T | |
| <p>need of today's families, nor do they provide a modern home environment. Air Force Homes in Germany are constructed in 3 and 4 story stairwell type buildings. Laundry rooms are community-use located in the basement. Kitchen and bathroom cabinets and fixtures are obsolete and deteriorated. Wall and floor tiles are old, cracked, and mis-matched. Plumbing and lighting fixtures are deteriorated. Electrical systems do not meet modern construction codes; Ground Fault Interrupter protection is not provided for bathrooms, kitchens and exterior circuits. Roofs and windows need repair or replacement. Balconies are deteriorated and require replacement.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Units will continue to deteriorate, resulting in increasing operations, maintenance and repair costs to the Government and inconvenience to residents. Families will be forced to take children up and down two to four flights of stairs to perform laundry in the basement. Low morale and retention problems can be expected if such conditions continue to exist.</p> <p><u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None</p> <p><u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement was found to be the most cost efficient over the life of the project. The cost to improve this housing is 60% of the replacement cost. This project is not eligible for NATO funding. BCE: LtCol K. TRAVERS (DSN) 452-6302.</p> | | |

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| 1. COMPONENT | | FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | 2. DATE | |
| AIR FORCE | | | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| SPANGDAHLEM AIR BASE, GERMANY | | | IMPROVE FAMILY HOUSING | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 8.87.42 | 711-161 | VYHK024017 | Auth. | 3,144 | |
| | | | Appr | 866 | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| IMPROVE FAMILY HOUSING | | UM | 20 | 145,350 | 2,907 |
| SUBTOTAL | | | | | 2,907 |
| CONTINGENCY (5%) | | | | | 145 |
| TOTAL CONTRACT COST | | | | | 3,052 |
| SUPERVISION, INSPECTION AND OVERHEAD (3%) | | | | | 92 |
| TOTAL REQUEST | | | | | 3,144 |
| MOST EXPENSIVE UNIT | | | | \$168,500 | |
| AREA COST FACTOR | | | | 1.28 | |
| 10. Description of Proposed Construction: Provides general interior and exterior modernization and renovation. Includes utility upgrades and additions to meet current standards. Upgrades kitchens, bathrooms, floor coverings, stairwells & entryways, provides increased energy efficiency, corrects fire deficiencies, replaces/adds balconies, and repairs roofs. Includes demolition and asbestos/lead-base paint removal. Grade Mix: 10 E1-E4; 10 E5-E9. | | | | | |
| 11. REQUIREMENT: 1,696 UN ADEQUATE: 480 UN SUBSTANDARD: 1,216 UN PROJECT: Improve Military Family Housing (This continues the phases of the Spangdahlem AB Housing Community Plan). REQUIREMENT: This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. This project is required to provide modern and efficient housing for military members and their dependents Spangdahlem AB. The housing units must be upgraded to meet current life safety codes and provide a comfortable living environment. All units will meet "whole house" standards in accordance with the Housing Community Plan. Renovated homes will provide a modern kitchen, living room, bedroom and bathroom configuration, with ample interior and exterior storage. CURRENT SITUATION: This project upgrades and modernizes housing units which were constructed in 1955. These 45 year old units require major renovation and repair to correct deterioration resulting from age and heavy use. They have had no major upgrades since construction, and do not meet the need of today's families, nor do they provide a modern home | | | | | |

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| 1. COMPONENT AIR FORCE | FY 2002 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION SPANGDAHLEM AIR BASE, GERMANY | | |
| 4. PROJECT TITLE IMPROVE FAMILY HOUSING | 5. PROJECT NUMBER VYHK024017 | |
| <p>environment. Kitchen and bathroom cabinets and fixtures are obsolete and deteriorated. Wall and floor tiles are old, cracked, and mis-matched. Plumbing and lighting fixtures are deteriorated. The plumbing is partially blocked with scale and lime. Occupants of some units must run the water for approximately 30 seconds before it is no longer brown. The electrical systems do not meet modern construction codes. Ground Fault Interrupter circuit protection is not provided for bathrooms, kitchens, and exterior operations, maintenance and repair costs to the government and inconvenience to the residents.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Units will continue to deteriorate, resulting in increasing operations, maintenance and repair costs to the Government and inconvenience to residents. Low morale and retention problems can be expected if such conditions continue to exist.</p> <p><u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> None</p> <p><u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement was found to be the most cost efficient over the life of the project. The cost to improve this housing is 60% of the replacement cost. This project is not eligible for NATO funding. BCE: LtCol Kim Traver (DSN) 452-6302.</p> | | |

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|---|--|---------------------------------|--|-----------|--------------|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | | | 2. DATE | |
| 3. INSTALLATION AND LOCATION ROYAL AIR FORCE LAKENHEATH, UNITED KINGDOM | | | 4. PROJECT TITLE IMPROVE FAMILY HOUSING | | |
| 5. PROGRAM ELEMENT 8.87.42 | 6. CATEGORY CODE 711 181 | 7. PROJECT NUMBER MSET004019 | 8. PROJECT COST (\$000) Auth 4,600 Appr: 1,267 | | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| IMPROVE FAMILY HOUSING | | UN | 42 | 88,700 | 3,725 |
| SUPPORTING FACILITIES | | | | | 528 |
| PAVEMENTS | | LS | | | (150) |
| UTILITIES | | LS | | | (176) |
| LANDSCAPING | | LS | | | (82) |
| RECREATION | | LS | | | (120) |
| SUBTOTAL | | | | | 4,253 |
| CONTINGENCY (5%) | | | | | 213 |
| TOTAL CONTRACT COST | | | | | 4,466 |
| SUPERVISION, INSPECTION AND OVERHEAD (3%) | | | | | 134 |
| TOTAL REQUEST | | | | | 4,600 |
| MOST EXPENSIVE UNIT | | | | | \$124,000 |
| AREA COST FACTOR | | | | | 1.43 |
| 10. Description of Proposed Construction: Provides general interior and exterior modernization and renovation of housing units. Includes utility upgrade and additions to meet current standards. Upgrade kitchens, bathrooms, and floor coverings, improves floor plans, provides increased energy efficiency, privacy fencing, patios, playgrounds and recreation areas. Includes demolition and asbestos/Lead-Based paint removal. Grade Mix: 20 O1-O2; 3 O3-O10; 19 E5-E9. | | | | | |
| 11. REQUIREMENT: 5,357 UN ADEQUATE: 2,590 UN SUBSTANDARD: 2,767 UN PROJECT: Improve Military Family Housing (Phase D & G) REQUIREMENT: This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. This project is required to provide modern efficient housing for military members and their dependents RAF Lakenheath and RAF Mildenhall. This housing must be upgraded to meet current life safety codes and to provide a comfortable living environment. All units will meet "whole house" standards in accordance with the Housing Community Plan. Renovated housing will provide a modern kitchen, living room, family room, bedroom and bath configuration, with ample interior and exterior storage. Off street parking will be provided were deficient. Neighborhood improvements are required and will include landscaping, lighting, playgrounds, and recreation areas. CURRENT SITUATION: This project upgrades and modernizes housing that was constructed in 1961. These 39 year-old houses require major renovation and repair to correct deterioration resulting from age and heavy use. | | | | | |

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| 1. COMPONENT | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | 2. DATE |
| AIR FORCE | (computer generated) | |
| 3. INSTALLATION AND LOCATION | | |
| ROYAL AIR FORCE LAKENHEATH, UNITED KINGDOM | | |
| 4. PROJECT TITLE | 5. PROJECT NUMBER | |
| IMPROVE FAMILY HOUSING | MSET004019 | |
| <p>They have had no major upgrades since construction and do not meet the needs of today's families. Bathroom cabinets and fixtures are obsolete and deteriorated. Counter tops are warped, stained and separating at the seams. Plumbing and lighting fixtures are deteriorated and dated. The roofs have deteriorated, and are in need of repair. The electrical systems do not meet modern construction codes. Flooring is stained, loose and mismatched due to non-availability of original materials for replacement. The units have inadequate living space by Air Force standards, only one full-sized bathroom, minimal storage space, and small to no patio's or backyard privacy. Landscaping, lighting, parking and recreation areas for housing residents are deficient.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Units will continue to deteriorate rapidly, resulting in increasing operations, maintenance and repair costs to the Government and inconvenience to residents. Without this project, repair of these units will continue in a costly, piecemeal fashion with little or no improvement in living quality. Housing Market Analysis shows an on-base housing deficient of 1,800 units.</p> <p><u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> Kitchen repairs in 1998 on 19 of the units.</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, improvement, and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement was found to be the most cost effective over the life of the project. The cost to improve this housing is 43% of the replacement cost as computed in Tri-Service Cost Estimate. Base Civil Engineer: Lt. Col Andrew Scrafford, (DSN 226-2100)</p> | | |

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|---|------------------|--|-------------------------|-----------|--------------|
| 1. COMPONENT | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | 2. DATE | |
| AIR FORCE | | (computer generated) | | | |
| 3. INSTALLATION AND LOCATION | | | 4. PROJECT TITLE | | |
| ROYAL AIR FORCE MILDENHALL, UNITED KINGDOM | | | IMPROVE FAMILY HOUSING | | |
| 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | | |
| 8.87.42 | 711-181 | QFQE004014 | Auth | 3,700 | |
| | | | Appr | 1,019 | |
| 9. COST ESTIMATES | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| IMPROVE FAMILY HOUSING | | UN | 24 | 94,200 | 2,261 |
| SUPPORTING FACILITIES | | | | | 1,160 |
| PAVEMENTS | | LS | | | (250) |
| UTILITIES | | LS | | | (290) |
| LANDSCAPING | | LS | | | (220) |
| RECREATION | | LS | | | (360) |
| GARAGES | | LS | | | (40) |
| SUBTOTAL | | | | | 3,421 |
| CONTINGENCY (5%) | | | | | 171 |
| TOTAL CONTRACT COST | | | | | 3,592 |
| SUPERVISION, INSPECTION AND OVERHEAD (3%) | | | | | 108 |
| TOTAL REQUEST | | | | | 3,700 |
| MOST EXPENSIVE UNIT | | | | | \$134,000 |
| AREA COST FACTOR | | | | | 1.43 |
| 10. Description of Proposed Construction: Provides general interior and exterior modernization and renovation of housing units. Includes utility upgrade and additions to meet current standards. Upgrade kitchens, bathrooms, and floor coverings, improves floor plans, provides increased energy efficiency, privacy fencing, patios, playgrounds and recreation areas. Includes demolition and asbestos/Lead-Based paint removal. Grade Mix: 1 O3-O10; 18 E1-E4; 5 E5-E9. | | | | | |
| 11. REQUIREMENT: 103 UN ADEQUATE: 45 UN SUBSTANDARD: 58 UN PROJECT: Improve Military Family Housing Phase B & C. This phase includes exterior supporting facilities work on one General Officers Quarters. (Current Mission) REQUIREMENT: This project is funded using advance appropriations. However, full authorization is requested in the year of initial appropriation. The Air Force plans to award this project using a single construction contract and requests advanced appropriation for the remaining amount. This project is required to provide modern and efficient housing for military members and their dependents stationed at RAF Mildenhall. This is the third of mutiple phases to upgrade 77 houses. 53 units are approved in previous phases. All units will meet whole house standards and are programmed in accordance with Phase C of the Housing Community Plan. Living units will be expanded to meet current space authorizations. Off-street parking will be provided where deficient. OSI study of vehicle entry for GOQ indicates requirement for new road and driveway entrance, and construction of garage to secure one POV and one staff vehicle. CURRENT SITUATION: The project upgrades and modernizes housing which was | | | | | |

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|---|--|---------|
| 1. COMPONENT AIR FORCE | FY 2000 MILITARY CONSTRUCTION PROJECT DATA (computer generated) | 2. DATE |
| 3. INSTALLATION AND LOCATION ROYAL AIR FORCE MILDENHALL, UNITED KINGDOM | | |
| 4. PROJECT TITLE IMPROVE FAMILY HOUSING | 5. PROJECT NUMBER QFQE004014 | |
| <p>constructed in 1935. These 63 year old houses require major renovation and repair to correct deterioration resulting from age and heavy use. They have had no major upgrade since construction, and do not meet the needs of todays families, nor do they provided a modern home environment. Kitchen and bathroom cabinets and fixtures are obsolete and deteriorated. Plumbing and lighting fixtures are deteriorated and dated. Electrical systems do not meet modern construction codes; Ground Fault Circuit protection is not provided for bathrooms or kitchens. Pavement areas need renovation. The existing vehicular access to GOQ and three SOQs is from a public highway; access and egress from the units is a major safety concern due to the speed of the traffic on the main highway and the restricted line of sight when leaving the units in a vehicle. New road & driveways from within the housing community will fix this problem for Officer's quarters and will require the demolition of the existing GOQ garage.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Units will continue to deteriorate rapidly, resulting in increasing operations, maintenance and repair costs to the Government and inconvenience to residents. Low moral and retention problems can be expected if such conditions are permitted to continue, since affordable off-base housing is not available. The vehicular entrance to the GOQ and SOQs will remain a safety hazard to vehicles entering and leaving the units. The most recent Housing Market Analysis shows an off-base deficit of 1900 units.</p> <p><u>WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:</u> Repair Roofs, Enlisted MFH; Maintain & Repair GOQ.</p> <p><u>WORK PROGRAMMED FOR NEXT THREE YEARS:</u> None.</p> <p><u>ADDITIONAL:</u> An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement was found to be the most cost effective over the life of the project. The cost to improve this housing is 58% of the replacement cost. Basae Civil Engineer: Lt Col Seb Romano, 011-44-1-638-54-2205.</p> | | |

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|--|-----------------|---|--|-----------|--------------|
| 1 COMPONENT AIR FORCE | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | | 2 DATE |
| 3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES | | | 4 PROJECT TITLE FAMILY HOUSING SUPERVISION, INSPECTION, AND OVERHEAD | | |
| 5 PROGRAM ELEMENT | 6 CATEGORY CODE | 7 PROJECT NUMBER | 8 PROJECT COST (\$000) Auth. - Appr: -128 | | |
| 9. COST ESTIMATE | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| FAMILY HOUSING SUPERVISION, INSPECTION, AND OVERHEAD | | | | | |
| POST-ACQUISITION CONSTRUCTION | | LS | | | -128 |
| SUBTOTAL | | LS | | | -128 |
| TOTAL CONTRACT COST | | LS | | | -128 |
| TOTAL REQUEST | | | | | -128 |
| 10 DESCRIPTION OF PROPOSED CONSTRUCTION The funds requested will be used to finance the Supervision, Inspection, and Overhead (SIOH) associated with the Air Force Family Housing Post-Acquisition Construction funded projects which will be executed in Budget Activity 4. | | | | | |

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2000 BUDGET REQUEST

FY 2000 ADVANCE PLANNING AND DESIGN

Program (In Thousands)

FY 2000 Program \$17,093

FY 1999 Program \$11,342

Purpose and Scope

This program provides for preliminary studies to develop additional family housing facilities, one time multi-phase design, and housing community plan developments; studies for site adaptation and determination of type and design of units; and working drawings, specifications, estimates, project planning reports and final design drawings of family housing construction projects. This includes the use of architectural and engineering services in connection with any family housing new or post acquisition construction program.

Program Summary

Authorization is requested for:

- (1) Advance planning and design for future year housing programs;
- (2) FY 2000 Authorization and Appropriation of \$17,093 to fund this effort as outlined in the following exhibit:

| | | | | | |
|---|--------------------------------|---|--|-----------|-----------------|
| 1 COMPONENT AIR FORCE | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | | 2 DATE |
| 3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES | | | 4 PROJECT TITLE FAMILY HOUSING ADVANCE PLANNING AND DESIGN | | |
| 5 PROGRAM ELEMENT 8.87.42 | 6 CATEGORY CODE 711-000 | 7 PROJECT NUMBER | 8 PROJECT COST (\$000) Auth 17,093 Appr 17,093 | | |
| 9. COST ESTIMATE | | | | | |
| ITEM | | U/M | QUANTITY | UNIT COST | COST (\$000) |
| FAMILY HOUSING ADVANCE PLANNING AND DESIGN | | LS | | | 17,093 |
| SUBTOTAL | | | | | 17,093 |
| TOTAL CONTRACT COST | | | | | 17,093 |
| TOTAL REQUEST | | | | | 17,093 |
| <p>10 DESCRIPTION OF PROPOSED CONSTRUCTION: Architect-engineer services, survey, fees, etc., in connection with advance planning and design of family housing dwelling units and properties included in or proposed for the Air Force Family Housing Construction Account.</p> <p>11 <u>PROJECT</u>: This request is for authorization and appropriation of \$17.093 million to provide planning and design costs in connection of family housing new or post acquisition construction programs.</p> <p><u>REQUIREMENT</u>: The funds requested are necessary to procure architect-engineer services to make site and utility investigations; one time multi-phase design, and housing community plan (HCP) developments; for the preparation of design and specifications of advance plans for future year family housing programs in connection with any family housing new or post acquisition construction programs.</p> <p><u>IMPACT IF NOT PROVIDED</u>: The funds requested are necessary to support the development of the housing community plans and to support the new and post acquisition construction programs.</p> | | | | | |

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|---|------------------|---|--|--------------|--------|
| 1 COMPONENT AIR FORCE | | FY 2000 MILITARY CONSTRUCTION PROJECT DATA | | | 2 DATE |
| 3 INSTALLATION AND LOCATION VARIOUS AIR FORCE BASES | | | 4 PROJECT TITLE FAMILY HOUSING SUPERVISION, INSPECTION, AND OVERHEAD | | |
| 5 PROGRAM ELEMENT | 6. CATEGORY CODE | 7 PROJECT NUMBER | 8 PROJECT COST (\$000) Auth. - Appr: 1,161 | | |
| 9. COST ESTIMATE | | | | | |
| ITEM | U/M | QUANTITY | UNIT COST | COST (\$000) | |
| FAMILY HOUSING SUPERVISION, INSPECTION, AND OVERHEAD | LS | | | 1,161 | |
| SUBTOTAL | LS | | | 1,161 | |
| TOTAL CONTRACT COST | LS | | | 1,161 | |
| TOTAL REQUEST | | | | 1,161 | |
| 10 DESCRIPTION OF PROPOSED CONSTRUCTION Supervision, Inspection, and Overhead (SIOH) costs are being annualized beginning with the FY 2000 budget. These costs will be managed and executed in Budget Activity 4. | | | | | |

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2000 BUDGET REQUEST

OPERATIONS, UTILITIES AND MAINTENANCE
(Excluding Leasing and Debt)

Program (\$ in Thousands)
FY 2000 Program \$703,350
FY 1999 Program \$672,740

Purpose and Scope: Provides operations and maintenance resources to pay for the cost of ownership in terms of property management, utilities, and day-to-day maintenance.

a. Operations. This portion of the program provides for operating expenses in the following sub-accounts:

(1) Management. Includes installation-level management such as housing office operations, quality assurance evaluators, administrative support, community liaison, and annual service fees paid to the Corporation-Trust Company. Provides the required corporate presence in Delaware for the United States Air Force Housing, Inc., which continues as the entity holding title to Capehart and Wherry real property. The housing referral program assists the two-thirds of Air Force families that live in local communities to find quarters in the private sector and implements the Fair Housing Act of 1968. Housing Management offices provide counseling on housing decision-making, advance information on new base of assignment, and assist members through settling-in and home-finding.

(2) Services. Provides basic support services including refuse collection and disposal; fire and police protection; entomology and pest control; and snow removal and street cleaning.

(3) Furnishings. Procures household equipment (primarily stoves and refrigerators) and, in limited circumstances, furniture; controls furnishings inventories; and maintains and repairs furniture and appliances.

(4) Miscellaneous. Provides mobile home hookups, leased office and warehouse space supporting family housing, and payments to other federal agencies or foreign governments to operate permit housing units occupied by Air Force personnel.

b. Utilities. Includes all purchased and base-produced heat, electricity, water, sewer, and gas utilities serving family housing. Occupants purchased their own telephone and cable TV service.

c. Maintenance. Provides upkeep of family housing real property, as follows:

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2000 BUDGET REQUEST

(1) Maintenance/Repair of Dwellings. Service calls, routine maintenance, repairs, and replacement of deteriorated facility components.

(2) Exterior Utilities. Maintenance and repair of water, sewer, electric, steam and gas lines supporting family housing areas.

(3) Other Real Property. Upkeep of grounds, common areas, roads, parking areas, and other property for the exclusive use of family housing occupants not discussed above.

(4) Incidental Alterations and Additions. Minor alterations to housing units or housing support facilities. Large scope and high dollar-value projects are included in the construction program.

The Air Force family housing budget requests essential resources to provide military families with housing either in the private market through assistance from a housing referral office, or in government housing. Increased emphasis has been placed on the proper funding of the family housing operations and maintenance program. The Air Force's FY 2000 Operation and Maintenance program emphasizes the following goals:

* Identify affordable housing for military members. Where shortages exist, identify project proposals to privatize or request new construction or leasing of housing for military families.

* Reduce utility consumption through increased management emphasis on energy conservation and whole-house improvements to improve energy efficiency.

* Reduce furnishings inventories in accordance with transfers and realignments. Redistribute excess furnishings from realigned bases.

* Fund government appliances and furniture consistent with cost/benefit studies and the delivery of new housing units which need government-supplied appliances.

* Continue the Quarters Cleaning Initiative (QCI) which helps limit expensive overseas temporary lodging allowances (TLAs) to approximately three days in lieu of the 10-day maximum. Quarters cleaning costs are continuing to be exceeded by savings in TLA accounts. Therefore, overall spending is reduced.

* Invest wisely in maintenance and repairs to preserve and restore the existing required housing inventory worldwide.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2000 BUDGET REQUEST

* Schedule maintenance and repair activities along with whole-house improvements to obtain the greatest enhancement in livability while increasing the useful life of housing units with the minimum capital investment and minimum impact on occupants.

* Pursue privatization ventures to transfer operation and maintenance responsibility to the private sector where cost effective. Accelerated revitalization of housing assets is the biggest benefit from privatization.

* Continue efforts to decrease operations and maintenance costs in certain high-cost quarters.

* Continue installation, operation, maintenance, and improvements of the Automated Civil Engineer System-Housing Module, (formerly identified as Housing Information Management System) an Air Force-wide computer system designed to assist in all phases of housing management. Ongoing initiatives include fielding of software needed to fulfill daily assignment, scheduling, maintenance, and inspection of units. Improved customer service and reduced costs are anticipated through the fielding of this system.

Operation and Maintenance FY 2000 Program Summary - Highlights
Authorization/Appropriation is requested in FY 2000 for \$703,350,000. This amount, together with estimated reimbursements of \$10,648,000, will fund the FY 2000 Operation and Maintenance program of \$713,998,000.

A summary of the funding program for FY 2000 is as follows
(\$ in thousands):

| <u>Operations Request</u> | <u>Utility Request</u> | <u>Maintenance Request</u> | <u>Total Direct Request</u> | <u>Reimburse-ment</u> | <u>Total Program</u> |
|---------------------------|------------------------|----------------------------|-----------------------------|-----------------------|----------------------|
| \$127,500 | \$160,117 | \$415,733 | \$703,350 | \$10,648 | \$713,998 |

Air Force Military Family Housing
Operation and Maintenance, Summary
(Excludes Leased Units and Costs)
FY 2000

| EXHIBIT FH-2 CONUS | | | | | | | | | |
|----------------------------------|-------------|-----------|-------------|-----------|-------------|-----------|------------|-----------|-----------|
| INVENTORY DATA | FY 98 CONUS | | FY 99 CONUS | | FY 00 CONUS | | | | |
| UNITS IN BEGINNING of YEAR | 77,615 | | 76,508 | | 77,338 | | 77,338 | | |
| UNITS AT END of YEAR | 76,508 | | 77,338 | | 76,162 | | 76,162 | | |
| AVERAGE INVENTORY FOR YEAR | 77,062 | | 76,923 | | 76,750 | | 76,750 | | |
| FUNDING REQUIREMENTS (\$000) | TOTAL COST | UNIT COST | TOTAL COST | UNIT COST | TOTAL COST | UNIT COST | TOTAL COST | UNIT COST | UNIT COST |
| OPERATIONS (DIRECT) | | | | | | | | | |
| MANAGEMENT | \$39,544 | \$513 | \$38,439 | \$500 | \$38,589 | \$503 | | | |
| SERVICES | \$19,687 | \$255 | \$19,678 | \$256 | \$19,791 | \$258 | | | |
| FURNISHINGS | \$9,070 | \$118 | \$8,133 | \$106 | \$8,161 | \$106 | | | |
| MISCELLANEOUS | \$1,136 | \$15 | \$1,099 | \$14 | \$1,110 | \$14 | | | |
| SUBTOTAL - DIRECT OPERATIONS | \$69,437 | \$901 | \$67,349 | \$876 | \$67,651 | \$881 | | | |
| Anticipated Reimbursements | \$1,210 | \$16 | \$1,228 | \$16 | \$1,248 | \$16 | | | |
| GROSS OBLIGATIONS - OPERATIONS | \$70,647 | \$917 | \$68,577 | \$892 | \$68,899 | \$898 | | | |
| DIRECT UTILITIES | \$84,918 | \$1,102 | \$83,040 | \$1,080 | \$82,874 | \$1,080 | | | |
| Anticipated Reimbursements | \$5,746 | \$75 | \$5,832 | \$76 | \$5,924 | \$77 | | | |
| GROSS OBLIGATIONS - UTILITIES | \$90,664 | \$1,177 | \$88,872 | \$1,155 | \$88,798 | \$1,157 | | | |
| MAINTENANCE (DIRECT) | | | | | | | | | |
| DWELLINGS | \$164,017 | \$2,128 | \$159,126 | \$2,069 | \$174,429 | \$2,273 | | | |
| EXT. UTILITIES | \$29,899 | \$388 | \$27,901 | \$363 | \$32,345 | \$421 | | | |
| OTH REAL PROP | \$19,642 | \$255 | \$18,098 | \$235 | \$21,020 | \$274 | | | |
| ALTER/ADDITIONS | \$15,502 | \$201 | \$13,898 | \$181 | \$17,225 | \$224 | | | |
| SUBTOTAL - DIRECT MAINTENANCE | \$229,060 | \$2,972 | \$219,023 | \$2,847 | \$245,019 | \$3,192 | | | |
| Anticipated Reimbursements | \$605 | \$8 | \$614 | \$8 | \$624 | \$8 | | | |
| GROSS OBLIGATIONS - MAINTENANCE | \$229,665 | \$2,980 | \$219,637 | \$2,855 | \$245,643 | \$3,201 | | | |
| TOTAL - DIRECT OPS & MAINTENANCE | \$383,415 | \$4,975 | \$369,412 | \$4,802 | \$395,544 | \$5,154 | | | |
| Anticipated Reimbursements | \$7,561 | \$98 | \$7,674 | \$100 | \$7,796 | \$102 | | | |
| TOTAL GROSS OPS & MAINTENANCE | \$390,976 | \$5,074 | \$377,086 | \$4,902 | \$403,340 | \$5,255 | | | |

Air Force Military Family Housing
Operation and Maintenance, Summary
(Excludes Leased Units and Costs)
FY 2000

| INVENTORY DATA | FY 98 FOREIGN | | FY 99 FOREIGN | | FY 00 FOREIGN | |
|----------------------------------|---------------|-----------|---------------|-----------|---------------|-----------|
| | TOTAL COST | UNIT COST | TOTAL COST | UNIT COST | TOTAL COST | UNIT COST |
| UNITS IN BEGINNING of YEAR | 25,325 | | 26,014 | | 26,151 | |
| UNITS AT END of YEAR | 26,014 | | 26,151 | | 24,832 | |
| AVERAGE INVENTORY FOR YEAR | 25,670 | | 26,083 | | 25,492 | |
| FUNDING REQUIREMENTS (\$000) | | | | | | |
| OPERATIONS (DIRECT) | | | | | | |
| MANAGEMENT | \$13,916 | \$542 | \$14,171 | \$543 | \$13,814 | \$542 |
| SERVICES | \$9,134 | \$356 | \$9,402 | \$360 | \$9,303 | \$365 |
| FURNISHINGS | \$25,820 | \$1,006 | \$26,397 | \$1,012 | \$26,160 | \$1,026 |
| MISCELLANEOUS | \$1,560 | \$61 | \$1,534 | \$59 | \$1,518 | \$60 |
| SUBTOTAL - DIRECT OPERATIONS | \$50,430 | \$1,965 | \$51,504 | \$1,975 | \$50,795 | \$1,993 |
| Anticipated Reimbursements | \$372 | \$14 | \$377 | \$14 | \$384 | \$15 |
| GROSS OBLIGATIONS - OPERATIONS | \$50,802 | \$1,979 | \$51,881 | \$1,989 | \$51,179 | \$2,008 |
| DIRECT UTILITIES | \$53,615 | \$2,089 | \$54,563 | \$2,092 | \$57,590 | \$2,259 |
| Anticipated Reimbursements | \$1,766 | \$69 | \$1,793 | \$69 | \$1,821 | \$71 |
| GROSS OBLIGATIONS - UTILITIES | \$55,381 | \$2,157 | \$56,356 | \$2,161 | \$59,411 | \$2,331 |
| MAINTENANCE (DIRECT) | | | | | | |
| DWELLINGS | \$99,019 | \$3,857 | \$84,715 | \$3,248 | \$87,577 | \$3,435 |
| EXT. UTILITIES | \$11,381 | \$443 | \$10,028 | \$384 | \$9,823 | \$385 |
| OTH.REAL PROP | \$17,072 | \$665 | \$13,789 | \$529 | \$12,924 | \$507 |
| ALTER/ADDITIONS | \$17,071 | \$665 | \$17,544 | \$673 | \$17,319 | \$679 |
| SUBTOTAL - DIRECT MAINTENANCE | \$144,543 | \$5,631 | \$126,076 | \$4,834 | \$127,643 | \$5,007 |
| Anticipated Reimbursements | \$186 | \$7 | \$189 | \$7 | \$192 | \$8 |
| GROSS OBLIGATIONS - MAINTENANCE | \$144,729 | \$5,638 | \$126,265 | \$4,841 | \$127,835 | \$5,015 |
| TOTAL - DIRECT OPS & MAINTENANCE | \$248,588 | \$9,664 | \$232,143 | \$8,900 | \$236,028 | \$9,259 |
| Anticipated Reimbursements | \$2,324 | \$91 | \$2,359 | \$90 | \$2,397 | \$94 |
| TOTAL GROSS OPS & MAINTENANCE | \$250,912 | \$9,775 | \$234,502 | \$8,991 | \$238,425 | \$9,353 |

Air Force Military Family Housing
Operation and Maintenance, Summary
(Excludes Leased Units and Costs)
FY 2000

| INVENTORY DATA | EXHIBIT FH-2 OVERSEAS | | | |
|----------------------------------|-----------------------|----------------|----------------|-----------|
| | FY 98 OVERSEAS | FY 99 OVERSEAS | FY 00 OVERSEAS | |
| UNITS IN BEGINNING of YEAR | 6,891 | 6,863 | | 6,837 |
| UNITS AT END of YEAR | 6,863 | 6,837 | | 6,817 |
| AVERAGE INVENTORY FOR YEAR | 6,877 | 6,850 | | 6,827 |
| FUNDING REQUIREMENTS (\$000) | TOTAL COST | UNIT COST | TOTAL COST | UNIT COST |
| OPERATIONS (DIRECT) | | | | |
| MANAGEMENT | \$4,110 | \$598 | \$3,965 | \$579 |
| SERVICES | \$2,318 | \$337 | \$2,335 | \$341 |
| FURNISHINGS | \$3,176 | \$462 | \$2,688 | \$392 |
| MISCELLANEOUS | \$12 | \$2 | \$12 | \$2 |
| SUBTOTAL - DIRECT OPERATIONS | \$9,616 | \$1,398 | \$9,000 | \$1,314 |
| Anticipated Reimbursements | \$71 | \$10 | \$72 | \$11 |
| GROSS OBLIGATIONS - OPERATIONS | \$9,687 | \$1,409 | \$9,072 | \$1,324 |
| DIRECT UTILITIES | \$20,225 | \$2,941 | \$19,950 | \$2,912 |
| Anticipated Reimbursements | \$335 | \$49 | \$340 | \$50 |
| GROSS OBLIGATIONS - UTILITIES | \$20,560 | \$2,990 | \$20,290 | \$2,962 |
| MAINTENANCE (DIRECT) | | | | |
| DWELLINGS | \$29,053 | \$4,225 | \$27,533 | \$4,019 |
| EXT. UTILITIES | \$3,405 | \$495 | \$3,460 | \$505 |
| OTH REAL PROP. | \$6,420 | \$934 | \$6,487 | \$947 |
| ALTER/ADDITIONS | \$5,730 | \$833 | \$4,775 | \$697 |
| SUBTOTAL - DIRECT MAINTENANCE | \$44,608 | \$6,487 | \$42,255 | \$6,169 |
| Anticipated Reimbursements | \$35 | \$5 | \$36 | \$5 |
| GROSS OBLIGATIONS - MAINTENANCE | \$44,643 | \$6,492 | \$42,291 | \$6,174 |
| TOTAL - DIRECT OPS & MAINTENANCE | \$74,449 | \$10,826 | \$71,205 | \$10,395 |
| Anticipated Reimbursements | \$441 | \$64 | \$448 | \$65 |
| TOTAL GROSS OPS & MAINTENANCE | \$74,890 | \$10,890 | \$71,653 | \$10,460 |
| | | | \$43,107 | \$6,314 |
| | | | \$27,206 | \$3,985 |
| | | | \$3,510 | \$514 |
| | | | \$6,545 | \$959 |
| | | | \$5,810 | \$851 |
| | | | \$43,071 | \$6,309 |
| | | | \$36 | \$5 |
| | | | \$71,778 | \$10,514 |
| | | | \$455 | \$67 |
| | | | \$72,233 | \$10,580 |

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MILITARY FAMILY HOUSING
FISCAL YEAR 2000 BUDGET REQUEST

| REAL PROPERTY MAINTENANCE ACTIVITIES OPERATION AND MAINTENANCE COSTS | | | | |
|--|--------------|-------|--------------|-------|
| (Historic Housing Costs) | | | | |
| Fiscal Year 2000 Budget Request | | | Exhibit FH-5 | |
| | Fiscal Year: | 1998 | 1999 | 2000 |
| Historic Housing Costs | | | | |
| A. Number of Units = <u>1044</u> | | | | |
| B. Improvements (\$000) | | 210 | 189 | 234 |
| C. Maintenance and Repair (\$000) | | 2,222 | 2,008 | 2,524 |
| Total Historic Maintenance, Repair, Improvements (\$000) | | 2,431 | 2,197 | 2,758 |

For over ten years the Air Force has applied a special effort to lower ownership costs in high cost quarters. Aggressive management in maintenance, repair and improvements has allowed the Air Force to hold costs for historic housing near the cost for the average unit.

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FISCAL YEAR 2000 BUDGET REQUEST

RECONCILIATION OF INCREASES AND DECREASES

EXHIBIT OP-5

OPERATIONS

(Program In Thousands)
FY 2000 Program \$127,500
FY 1999 Program \$127,853

The FY 2000 program displays Air Force family housing requirements and was developed using OSD/OMB approved inflation and foreign currency fluctuation rates. Adjustments have been made for force mission realignments. All program sub-accounts are described in detail in the following analyses:

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MILITARY FAMILY HOUSING
FISCAL YEAR 2000 BUDGET REQUEST

Management. The Management account includes installation-level housing office operations, quality assurance, administrative support, community liaison, and annual service fees paid to the Corporate-Trust Company to provide the required corporate presence in Delaware. The housing referral program assists members to find homes in the private sector and implements the Fair Housing Act of 1968.

(\$ in Thousands)

| | | |
|-----|---|----------|
| 1. | FY 1999 President's Budget (Amended) | \$52,495 |
| 2. | Congressional Adjustments: | -\$3,783 |
| 3. | FY 1999 Appropriated Amount: | \$48,712 |
| 4. | Supplementals: | None |
| 5. | Price Growth: Foreign Currency Adjustment | -789 |
| 6. | Functional Program Transfers: | None |
| 7. | Program Increases: | |
| | a. Accelerated housing management and referral efforts to support Expeditionary Air Force. | \$1,658 |
| | b. Unanticipated privatization studies after dissolution of the OSD Housing Revitalization Support Office. | \$2,244 |
| | c. Unanticipated management/referral tasks due to build-lease efforts at Aviano/Lakenheath. | \$475 |
| | d. Family Housing Master Plan Implementation | \$1,950 |
| | e. Privatization Center of Excellence (AFCEE) | \$600 |
| | f. Housing Inspectors at Okinawa to monitor Government of Japan housing construction to ensure health, safety and quality of life standards are achieved. | \$425 |
| | g. Repairs/Modernization of customer service areas for housing referral. | \$1,300 |
| 8. | Program Decreases: | None |
| 9. | FY99 Current Estimate | \$56,575 |
| 10. | Price Growth: | |
| | a. Inflation | \$849 |
| | b. Foreign Currency Fluctuation Rate Adjustment | \$478 |
| 11. | Functional Program Transfer: | None |
| 12. | Program Increases: | None |

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FISCAL YEAR 2000 BUDGET REQUEST

- | | | |
|-----|---|----------|
| 13. | Program Decreases: Non-recurring investment for Family Housing Master Plan. | -\$1,489 |
| 14. | FY 2000 Budget Request: | \$56,413 |

Analysis of Change in Management

The Management sub-account consists of predominately fixed costs such as salaries and required administrative support supplies and equipment. As part of our management activity, we are completing development of new computer-based work tools to improve customer service and management of resources. This effort includes implementation of the Automated Civil Engineer System-Housing Module. This system improves customer services and data sharing for overall program management, and provides interactive training to ensure field acceptance and use.

As part of the continuing effort to develop alternatives for more cost effective activities, the Management sub-account provides funds for studies of privatization projects at selected installations. This sub-account also provides funds for Housing Market Analyses at each base to determine the proper amount of housing needed to support the assigned population, and supports the Family Housing Master Plan, which will be the source document for future housing decisions.

As civil engineer services are competitively sourced, we anticipate a continuing need for the oversight, assistance to families and referral service activities funded from the Management account.

The Management sub-account is not per-unit specific since there is a basic level of support and manning for the base housing office regardless of the number of units.

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Services. Provides basic community support services such as refuse collection and disposal; fire and police protection; entomology and pest control; snow removal; and street cleaning.

Military family housing activities are affected by many new environmental standards. The environmental legislative changes in states and foreign countries continue to evolve leading to an uncertain ability to predict program growth. Initiatives to remove lead based paint and asbestos, install leak detection on underground heating fuel storage tanks, and provide spill/overflow protection and corrosion control are also covered within this account.

| | (\$ in Thousands) |
|--|-------------------|
| 1. FY 1999 President's Budget (Amended) | \$36,066 |
| 2. Congressional Adjustments: | -\$217 |
| 3. FY 1999 Appropriated Amount: | \$35,849 |
| 4. Supplementals: | None |
| 5. Price Growth: Foreign Currency Adjustment | -575 |
| 6. Functional Program Transfers: | None |
| 7. Program Increases: | None |
| 8. Program Decreases: | -\$3,859 |
| a. Stabilized implementation costs of recycling programs | |
| 9. FY99 Current Estimate | \$31,415 |
| 10. Price Growth: | |
| a. Inflation | \$471 |
| b. Foreign Currency Fluctuation Rate Adjustment | \$263 |
| 11. Functional Program Transfer: | None |
| 12. Program Increases: | None |

DEPARTMENT OF THE AIR FORCE
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| | | |
|-----|---|----------|
| 13. | Program Decreases: | |
| | a. Inventory decrease (787 units). | -\$227 |
| | b. Recycling efforts reach steady-state | -\$472 |
| 14. | FY 2000 Budget Request: | \$31,450 |

Analysis of Changes in Services

The Services budget request has been decreased in response to cost mitigation for service contracts, stabilization of environmental requirements, steady-state conditions in the recycling programs, and efficiencies in provision of civil engineer services due to competitive sourcing. Inventory decreases in FY 2000 also drive decreases in the funds requested.

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Furnishings. Includes the procurement for initial issue and replacement of household equipment (primarily stoves and refrigerators) and in limited circumstances, furniture; the control, moving, and handling of furnishings inventories; and the maintenance and repair of such items.

This Fiscal Year 2000 Budget reflects the "Sense of Congress" for increased burden sharing with foreign governments. Force structure reductions overseas have allowed the Air Force to reduce overseas furnishings inventories.

Yet, certain items will continue to be needed. Loaner sets of furniture are issued to military families overseas so they may occupy permanent quarters prior to the arrival of personally owned furniture. Loaner sets are very cost effective because they reduce the cost of temporary quarters. Other items of household furnishings normally built into CONUS houses which are limited or not available in foreign countries, such as wardrobes (clothes closets), kitchen cabinets and appliances, are also issued to military families.

Leases in Europe in a civilian community off an American base also require closets and cabinets to be issued along with appliances since leased units overseas do not have the same accommodations available as in the United States.

The furnishings account funds essential furnishings at levels consistent with cost/benefit studies and the needs of the Air Force. Much of the funding requested in the furnishings account results from an analysis of the most economical use of government funds and avoids higher costs in other accounts such as military allowances and other support appropriations.

| | (\$ in Thousands) |
|---|-------------------|
| 1. FY 1999 President's Budget (Amended) | \$37,218 |
| 2. Congressional Adjustments: | -\$791 |
| 3. FY 1999 Appropriated Amount: | \$36,427 |
| 4. Supplementals: | None |
| 5. Price Growth: | None |
| 6. Functional Program Transfers: | None |

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FISCAL YEAR 2000 BUDGET REQUEST

| | | |
|-----|--|----------|
| 7. | Program Increases: | |
| | a. Unanticipated furniture requirements in PACAF and USAFE | \$649 |
| | b. Appliance criteria changes | \$142 |
| 8. | Program Decreases: | None |
| 9. | FY99 Current Estimate | \$37,218 |
| 10. | Price Growth: | |
| | a. Inflation | \$558 |
| | b. Foreign Currency Fluctuation Rate Adjustment | \$310 |
| 11. | Functional Program Transfer: | None |
| 12. | Program Increase: | None |
| 13. | Program Decreases: | |
| | a. Inventory decrease (787 units). | -\$267 |
| | b. Non-recurring investment as gas appliance purchases in Italy reach steady-state conditions. | -\$822 |
| 14. | FY 2000 Budget Request: | \$36,997 |

Analysis of Changes in Furnishings

Furnishings costs are trending downward over the long term from over \$50 million per year in the late 1980's to \$37M in FY00. Base closures and realignments from overseas have been the primary cause of these reductions. Also, the Air Force reduced the number of locations with limited JTR status which alleviated some of the requirement for furnishings support. During realignments overseas furniture was moved to new locations to support continued operations. Even so, this request addresses the needs of newly constructed and leased housing units being added to the Air Force inventory to compensate for housing deficits. For example, mission requirements and realignments have resulted in build-up of activities at several locations in Europe, to include increases in concurrent family travel at Lakenheath AB England and Aviano AB Italy. With more families at these locations to support, the furnishings requirements have increased. Changes to Italian Law drive purchases of non-US manufactured gas appliances for use at Italian locations. However, inventory decreases in FY 2000 also drive decreases in the funds requested.

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Miscellaneous. Includes mobile home hookups, leased office and warehouse space supporting family housing, payments to other Federal agencies or foreign governments (i.e. United Kingdom and Australia) to operate Permit Housing units occupied by Air Force personnel, and similar costs.

(\$ in Thousands)

| | | |
|-----|---|----------|
| 1. | FY 1999 President's Budget (Amended) | \$5,240 |
| 2. | Congressional Adjustments: | None |
| 3. | FY 1999 Appropriated Amount: | \$5,240 |
| 4. | Supplementals: | None |
| 5. | Price Growth: Foreign Currency Adjustment | -\$80 |
| 6. | Functional Program Transfers: | None |
| 7. | Program Increases: | None |
| 8. | Program Decreases: Greater than anticipated savings in country-to-country agreements in Australia | -\$2,515 |
| 9. | FY99 Current Estimate | \$2,645 |
| 10. | Price Growth: | |
| | a. Inflation | \$40 |
| | b. Foreign Currency Fluctuation Rate Adjustment | \$24 |
| 11. | Functional Program Transfer: | None |
| 12. | Program Increases: | None |
| 13. | Program Decreases: Anticipated savings in country-to-country agreements in Australia. | -\$69 |
| 14. | FY 2000 Budget Request: | \$2,640 |

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Analysis of Changes in Miscellaneous

As mission realignments occur and the Australian government provides a greater cost share of the support to homes required for space tracking operations, associated miscellaneous costs diminish. The costs of units supported in Australia are subject to foreign currency gains or losses which are not covered in the FCF account. These accommodation costs are incurred in accordance with requirements in host country agreements and are budgeted as "must pay" expenses.

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RECONCILIATION OF INCREASES AND DECREASES

EXHIBIT OP-5

Utilities. This program provides for all utilities consumed in government-owned family housing. Electricity, purchased heating, water, sewage and waste systems are included. MFH facilities consume approximately one-fifth of Air Force facility energy usage; therefore, MFH residents share a significant role in the achievement of Air Force energy reduction goals. Since MFH occupants are not billed for their energy consumption, conservation motivation comes primarily from Command emphasis. Energy projects to install set back thermostats, water heater jacket insulation, crawl and attic space insulation along with thermal doors and windows are achieving good results toward the attainment of Air Force energy conservation goals.

(\$ in Thousands)

| | | |
|----|---|-----------|
| 1. | FY 1999 President's Budget (Amended) | \$152,214 |
| 2. | Congressional Adjustments: | None |
| 3. | FY 1999 Appropriated Amount: | \$152,214 |
| 4. | Supplementals: | None |
| 5. | Price Growth: Foreign Currency Adjustment | -\$2,427 |
| 6. | Functional Program Transfers: | None |
| 7. | Program Increases: | |
| | a. Privatization of Vandenberg AFB water supply | \$2,400 |
| | b. Unscheduled electricity rate increases at Davis Monthan, Holloman, and Howard AFBs | \$1,875 |
| | c. Unscheduled water and sewer rate increases at Shaw and Cannon AFBs | \$922 |
| | d. Privatization of Columbus AFB water and waste, Tyndall AFB waste system | \$1,327 |
| | e. Andersen AFB utility rate increases | \$541 |
| | f. Little Rock AFB Geothermal Heat Pump loan repayment | \$355 |
| | g. Unscheduled water rate increase at Grand Forks AFB | \$346 |
| 8. | Program Decreases: | None |

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2000 BUDGET REQUEST

| | | |
|-----|--|-----------|
| 9. | FY99 Current Estimate | \$157,553 |
| 10. | Price Changes: | |
| | a. Inflation | \$2,363 |
| | b. Favorable Fossil Fuel Price Fluctuations | -\$3,300 |
| | c. Foreign Currency Fluctuation Rate Adjustment | \$5,525 |
| 11. | Functional Program Transfer: | None |
| 12. | Program Increases: | None |
| 13. | Program Decreases: | |
| | a. Increased commander emphasis on conservation, projected adjustments to maturing country-to-country agreements | -\$898 |
| | b. Inventory decrease (787 units) | -\$1,125 |
| 14. | FY 2000 Budget Request: | \$160,117 |

Analysis of Changes in Utilities

The requirement for FY 2000 is based on historical obligation trends which continue to be influenced by energy conservation savings resulting from whole-house improvements and energy conservation projects. Privatization of utility service lines will cause some localized increases in per-unit costs. Yet, this downward cost trend is expected to continue as the Air Force strives to meet aggressive utility conservation goals. In general, the continuing trend for utilities is cost growth below normal inflation as a result of on-going programs and initiatives to conserve energy. Air Force goals continue an emphasis on reducing energy consumption and costs through conversion to natural gas and installation of energy saving materials in housing units. For the majority of locations, utility rates are stable. Continued conservation efforts allow reduced consumption and reduced costs. Also, inventory decreases in FY 2000 contribute to the decrease in funds requested.

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FISCAL YEAR 2000 BUDGET REQUEST

| Projected Energy Consumption | | | |
|--|-------|-------|-------|
| Fiscal Year: | 1998 | 1999 | 2000 |
| UTILITY QUANTITIES | | | |
| Electricity (MWH X 1000) | 1,545 | 1,544 | 1,525 |
| Fuel Oil (BBLS X 1000) | 380 | 372 | 367 |
| Natural Gas (KCF X 1000) | 6,230 | 6,270 | 6,220 |
| Coal Fired (MBTU X 1000) | 348 | 345 | 342 |
| Purchased Steam (MBTU X 1000) | 565 | 554 | 550 |

The consumption stream shown in the table is consistent with Air Force goals of reducing consumption and costs through conversion to natural gas and installation of energy-saving materials and equipment in housing units.

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RECONCILIATION OF INCREASES AND DECREASES

EXHIBIT OP-5

Maintenance. Provides upkeep of family housing real property through service calls, change of occupancy rehabilitation of units, routine maintenance, preventive maintenance, interior and exterior painting, and major repairs.

(\$ in Thousands)

| | | |
|-----|---|-----------|
| 1. | FY 1999 President's Budget (Amended) | \$388,659 |
| 2. | Congressional Adjustments: | -\$2,000 |
| 3. | FY 1999 Appropriated Amount: | \$386,659 |
| 4. | Supplementals: Hurricane Georges Damage Relief | \$4,533 |
| 5. | Price Growth: Foreign Currency Adjustment | -\$3,584 |
| 6. | Functional Program Transfers: | None |
| 7. | Program Increases: FCF Rate Adjustment savings (MFH program-wide) | \$11,888 |
| 8. | Program Decreases: | |
| | a. Increased "must pay" costs in other accounts have caused a decrease in available funds for maintenance: to Management for housing referral increases, privatization studies and master plan acceleration | -\$6,452 |
| | b. To Furnishings for added overseas costs | -\$791 |
| | c. To Utilities covering rate increases and privatization expenses. | -\$4,073 |
| | d. Non-emergency maintenance deferred or rescheduled to accommodate budget constraint. | -\$826 |
| 9. | FY99 Current Estimate | \$387,354 |
| 10. | Price Growth: | |
| | a. Inflation | \$5,810 |
| | b. Foreign Currency Fluctuation Rate Adjustment | None |
| 11. | Functional Program Transfer: | None |

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2000 BUDGET REQUEST

| | | |
|-----|---|-----------|
| 12. | Program Increases: Increased emphasis on maintenance and repair to slow the deterioration of housing assets and arrest escalating growth in the backlog of Deferred Maintenance and Repair. | \$25,609 |
| 13. | Program Decrease: Inventory Decrease (787 units) | -\$3,040 |
| 14. | FY 2000 Budget Request: | \$415,733 |

Analysis of Changes in Maintenance Program

After several years of budget constraint the backlog of deferred maintenance has grown to the extent that annual appropriations at or near previous levels are not adequate to accomplish the maintenance requirements of the deteriorating homes. Previously limited maintenance funding and a high occupant turnover have accelerated deterioration of the Air Force's aging housing inventory. Constrained funding has resulted in a greater reliance on temporary fixes which in the long run only exacerbated the deterioration of our housing units. In addition, the infrastructure which supports the units is now beyond its projected economic life at most of our installations. Several systems are near failure.

The family housing assets maintained by the Air Force are valued at over \$16.5 billion in replacement costs. As the Air Force's inventory continues to age the necessity for maintenance on the capital investment also increases. Sound property management must be applied to preserve and protect this major investment to ensure that these facilities can be occupied continuously. Budget reductions have had an adverse impact on the Air Force's program to contain the growth of deferred maintenance. The annual maintenance funding profile is substantially less than the rate of deterioration.

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SUMMARY OF BACKLOG OF DEFERRED MAINTENANCE AND REPAIR (DMAR)
(\$ in Millions)

| | <u>FY98</u> | <u>FY99</u> | <u>FY00</u> |
|---|-------------|-------------|-------------|
| Beginning of Year DMAR | 971 | 1,078 | 1,240 |
| Revitalization Reduction | (73) | (61) | (42) |
| BRAC IV Reduction | 0 | 0 | 0 |
| Per-Year Asset Degradation (Inflation and Asset Deterioration) | 72 | 80 | 119 |
| Revised Beginning of Year DMAR | 970 | 1,097 | 1,317 |
| Annual Maintenance Requirement | 526 | 530 | 544 |
| Total Requirement | 1,496 | 1,627 | 1,861 |
| Annual Maintenance Funding | 418 | 387 | 416 |
| End of Year Backlog | 1,078 | 1,240 | 1,445 |
| Backlog Reduction (Growth) | (107) | (162) | (205) |
| DMAR per Dwelling Unit (\$000) | 9.8 | 11.3 | 13.2 |

Deterioration of the Air Force's aging housing inventory is accelerating. The total maintenance requirement reflected on this chart portrays only those projects which are required to meet and sustain approved standards. This chart reflects the decision to fund maintenance at the highest possible level to arrest DMAR growth. However, with current funding constraints DMAR continues to grow.

Installation commanders have expressed concern about Family Housing and its impact on personnel performing the mission on their installations. Family Housing received the highest ranked response at 73%, far outpacing the next highest concern which was 34% for Health Care in a quality of life survey. Installation Commanders concern for Family Housing was so high that they placed Family Housing in their top three priorities for needing additional funding--above areas such as base facilities, recreation and services, income/cost of living adjustments, and even health care.

Consistent with Congressional concerns, the Air Force is actively pursuing means to reduce the DMAR backlog. The Air Force's goal is to reduce end of year backlog to one year's normal recurring

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maintenance and repair of our dwellings to ensure availability of quarters which meet Air Force standards. The method we use to measure our effectiveness against these standards is to track the impact of the funded program against Deferred Maintenance and Repair (DMAR). When funding is lower than maintenance requirements, asset deterioration accelerates. This current growth of maintenance costs is above inflation rates and increases the scope of future programmed work. Another impact from underfunded maintenance is an increase in the number of emergency repairs which are disruptive to occupants, costly, and manpower intensive. The backlog of unrepaired systems also generates other work (i.e., delayed roof projects require additional work to fix leaks, patch and paint ceilings, etc.) Current funding levels do not achieve the goal of reducing DMAR.

The Air Force has initiated a whole-house/whole-neighborhood concept to focus total funding on bringing existing facilities up to construction and operational standards. This concept combines all improvements with required maintenance and repairs into one project, minimizing quarters downtime and disruption to residents for piece-meal work. The dollars in the revitalization program contribute to the reduction in DMAR. However, if whole-house renovations are delayed for too long, emergency projects to fix specific systems (e.g. roof leaks) must be accomplished in the interim, driving up life-cycle costs.

Quality family housing has a great impact on the lives of our members and the readiness of our forces. It is for this reason that we believe the maintenance dollars the Air Force has programmed in this budget will have a payback far greater than that which can be measured in terms of average unit costs. Future budget increases to this account can only improve the quality of life for our airmen and their families, which can produce positive leverage on retention and readiness.

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FAMILY HOUSING REPAIRS
(EXCEEDING \$20,000 MAJOR MAINTENANCE AND REPAIR THRESHOLD)

This information complies with the 1998 House Appropriations Committee language (Conference report 105-647) requiring the Services to report any expenditures for major maintenance and repair projected to exceed \$20,000 per unit. The increase from \$15,000 beginning in FY99 provided welcome relief in our efforts to support critical maintenance and repair tasks.

While these projects are shown as line items here, the maintenance budget estimate includes them among overall requirements for the entire inventory.

Since over 60 percent of the average investment project includes major maintenance and repair actions, we can mitigate some of these problems through the O&M program.

CONUS

| <u>Location</u> | <u>No Units</u> | <u>Year Built</u> | <u>High Unit Cost (\$000)</u> | <u>Unit (NSM)</u> | <u>Proj (NSM)</u> | <u>Total Cost (\$000)</u> | <u>Improvements Non-Routine (\$000 FY95-99)</u> |
|-----------------|---------------------|-----------------------|---------------------------------------|-----------------------|-----------------------|-------------------------------|---|
|-----------------|---------------------|-----------------------|---------------------------------------|-----------------------|-----------------------|-------------------------------|---|

ALABAMA

| | | | | | | | |
|----------------|---|------|----|-----|-------|-----|---|
| <u>Maxwell</u> | 8 | 1975 | 78 | 128 | 1,024 | 624 | 0 |
|----------------|---|------|----|-----|-------|-----|---|

Narrative: Upgrade kitchens including: cabinets, counter tops, plumbing, light fixtures, and flooring. Replace doors and windows on 4 units. Underpin foundations, repair plaster and stucco on 4 other units.

ARIZONA

| | | | | | | | |
|----------------------|----------|------|----|-----|------------|------------|----------|
| <u>Davis Monthan</u> | 1 | 1952 | 38 | 151 | 151 | 38 | 0 |
| | 1 | 1952 | 46 | 184 | 184 | 46 | 0 |
| | <u>1</u> | 1952 | 46 | 184 | <u>184</u> | <u>46</u> | <u>0</u> |
| | <u>3</u> | | | | <u>519</u> | <u>130</u> | <u>0</u> |

Narrative: Replace existing roof structures with new trusses and roof system. Repair interior finishes damaged by leaking roofs. Install new fascia, drip edges, and aluminum soffits.

ARKANSAS

| | | | | | | | |
|--------------------|---|------|----|-----|-----|-----|---|
| <u>Little Rock</u> | 6 | 1958 | 58 | 161 | 966 | 354 | 0 |
|--------------------|---|------|----|-----|-----|-----|---|

Narrative: Renovate kitchen, baths, guest room, and laundry room. Replace carport roof, interior doors, interior lighting, and carpet. Paint interior.

CALIFORNIA

| | | | | | | | |
|--------------|----|------|----|-----|-------|-------|---|
| <u>Beale</u> | 25 | 1960 | 55 | 123 | 3,075 | 1,375 | 0 |
|--------------|----|------|----|-----|-------|-------|---|

Narrative: Replace kitchen appliances, install dishwashers, replace flooring. Replace bathroom finishes and fixtures. Replace doors and install closet organizers. Replace deteriorated exterior siding and doors. Replace windows with energy-conserving models. Install additional insulation. Abate asbestos and lead-based paint.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2000 BUDGET REQUEST

FAMILY HOUSING REPAIRS
(EXCEEDING \$20,000 THRESHOLD)

| <u>Location</u> | <u>No Units</u> | <u>Year Built</u> | <u>High Unit Cost (\$000)</u> | <u>Unit (NSM)</u> | <u>Proj (NSM)</u> | <u>Total Cost (\$000)</u> | <u>Improvements Non-Routine (\$000 FY95-99)</u> |
|-----------------|---------------------|-----------------------|---------------------------------------|-----------------------|-----------------------|-------------------------------|---|
|-----------------|---------------------|-----------------------|---------------------------------------|-----------------------|-----------------------|-------------------------------|---|

| | | | | | | | |
|--------------|---|------|----|-----|-----|----|---|
| <u>Beale</u> | 1 | 1960 | 55 | 170 | 170 | 55 | 0 |
|--------------|---|------|----|-----|-----|----|---|

Narrative: Replace HVAC ducting, repair kitchen and baths, repair interior doors, finishes, and lighting. Provide electrical systems which meet code requirements.

| | | | | | | | |
|--------------------|----|---------|----|---------|-------|-----|---|
| <u>Los Angeles</u> | 32 | 1982-85 | 30 | 154-176 | 3,259 | 800 | 0 |
|--------------------|----|---------|----|---------|-------|-----|---|

Narrative: Repair and reconfigure kitchens; replace countertops and cabinets, replace flooring, provide adequate lighting, provide hard-wired smoke detectors to allow annunciation on the basewide system.

| | | | | | | | |
|---------------|---|------|----|-----|-----|----|---|
| <u>Travis</u> | 1 | 1962 | 24 | 169 | 169 | 24 | 0 |
|---------------|---|------|----|-----|-----|----|---|

Narrative: Repair damage to stucco caused by foundation movement, to allow continued habitation of the home.

| | | | | | | | |
|---------------|---|------|----|-----|-----|----|---|
| <u>Travis</u> | 1 | 1953 | 53 | 165 | 165 | 53 | 0 |
| | 1 | 1958 | 60 | 144 | 144 | 60 | 0 |

Narrative: Repair structural damage caused by foundation movement; repair exterior building envelope and interior finishes to allow re-habitation of the home.

COLORADO

| | | | | | | | |
|---------------------|----|------|----|-----|--------|-------|---|
| <u>USAF Academy</u> | 68 | 1959 | 51 | 184 | 12,512 | 3,468 | 0 |
|---------------------|----|------|----|-----|--------|-------|---|

Narrative: Repair interiors, replace electrical service, plumbing fixtures, cabinets and countertops; relocate laundry facilities; relocate bathroom entrances; remove freestanding fireplaces; provide windows in bedrooms which lack windows; replace roofs where required.

FLORIDA

| | | | | | | | |
|----------------|----|------|----|-----|-------|-----|---|
| <u>MacDill</u> | 10 | 1966 | 55 | 192 | 1,920 | 500 | 0 |
|----------------|----|------|----|-----|-------|-----|---|

Narrative: Renovate kitchens, to include replumbing water supply and drain lines, repair electrical system, replace sinks, floor, ceiling tiles, lights, and cabinets.

| | | | | | | | |
|----------------|----|------|----|-----|-------|-------|---|
| <u>Tyndall</u> | 20 | 1969 | 55 | 105 | 2,100 | 1,100 | 0 |
|----------------|----|------|----|-----|-------|-------|---|

Narrative: Replaces HVAC system, upgrades kitchen and bathrooms, repairs electrical system, and installs new carpet, floor tile, and ceiling fans.

ILLINOIS

| | | | | | | | |
|--------------|----|------|----|-----|-------|-------|---|
| <u>Scott</u> | 60 | 1973 | 31 | 160 | 9,600 | 1,860 | 2 |
|--------------|----|------|----|-----|-------|-------|---|

Narrative: Replace siding, windows, fascia and soffits. Install fire barriers in attics to prevent potential spread of fire from attached carports to homes.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2000 BUDGET REQUEST

FAMILY HOUSING REPAIRS
(EXCEEDING \$20,000 THRESHOLD)

| <u>Location</u> | <u>No Units</u> | <u>Year Built</u> | <u>High Unit Cost (\$000)</u> | <u>Unit (NSM)</u> | <u>Proj (NSM)</u> | <u>Total Cost (\$000)</u> | <u>Improvements Non-Routine (\$000 FY95-99)</u> |
|------------------|---------------------|-----------------------|---------------------------------------|-----------------------|-----------------------|-------------------------------|---|
| <u>LOUISIANA</u> | | | | | | | |
| <u>Barksdale</u> | 10 | 1960 | 39 | 83 | 830 | 390 | 0 |
| | 10 | 1960 | 39 | 83 | 830 | 390 | 0 |
| | 16 | 1960 | 39 | 112 | 1,792 | 621 | 0 |
| | 4 | 1960 | 38 | 83 | 332 | 144 | 0 |
| | <u>14</u> | <u>1960</u> | <u>36</u> | <u>83</u> | <u>1,162</u> | <u>504</u> | <u>0</u> |
| | 54 | | | | 4,946 | 2,049 | 0 |

Narrative: Replace kitchen cabinets and countertops, doors, millwork, floors, light fixtures and plumbing fixtures. Repair electrical wiring, ventilation, fireplace, water heaters, plumbing and smoke detection. Install insulation and replace exterior lighting. Install bathroom vanities, enlarge bathrooms, paint and patch walls and ceilings.

MASSACHUSETTS

| | | | | | | | |
|----------------|----|------|----|-----|-------|-------|---|
| <u>Hanscom</u> | 50 | 1970 | 32 | 131 | 6,550 | 1,035 | 0 |
|----------------|----|------|----|-----|-------|-------|---|

Narrative: Repair bathrooms, to include replacing plumbing and fixtures, interior finishes, lighting, exhaust fans, vanities, electrical fixtures. Remove asbestos as required.

MISSISSIPPI

| | | | | | | | |
|----------------|----|------|----|----|-------|-----|---|
| <u>Keesler</u> | 40 | 1961 | 60 | 89 | 3,560 | 800 | 0 |
|----------------|----|------|----|----|-------|-----|---|

Narrative: Replace kitchen cabinets and appliances and bathroom fixtures. Replace/resurface ceramic tile.

MONTANA

| | | | | | | | |
|------------------|-----------|------|----|-----|--------------|------------|----------|
| <u>Malmstrom</u> | 11 | 1961 | 33 | 125 | 1,375 | 360 | 0 |
| | 10 | 1961 | 34 | 125 | 1,250 | 340 | 0 |
| | <u>21</u> | | | | <u>2,625</u> | <u>700</u> | <u>0</u> |

Narrative: Correct basement flooding problem. Replace partition walls, window wells, floor slab, and under-floor slab drain system. Install sump pump, replace topsoil and sod.

NEBRASKA

| | | | | | | | |
|---------------|----|------|----|-----|--------|-------|---|
| <u>Offutt</u> | 61 | 1952 | 25 | 166 | 10,126 | 1,502 | 0 |
|---------------|----|------|----|-----|--------|-------|---|

Narrative: Repair concrete stoops. Replace windows and doors. Repair air conditioning. Provide floor and ceiling insulation.

| | | | | | | | |
|---------------|----|------|----|-----|-------|-----|---|
| <u>Offutt</u> | 10 | 1894 | 50 | 309 | 3,090 | 500 | 0 |
|---------------|----|------|----|-----|-------|-----|---|

Narrative: Install sub-foundation ventilation to mitigate radon. Install foundation perimeter drainage system. Tuckpoint brick, install chimney liners, weatherstrip windows. Replace carpet and paint trim. Repair porches and stairs.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2000 BUDGET REQUEST

FAMILY HOUSING REPAIRS
(EXCEEDING \$20,000 THRESHOLD)

| <u>Location</u> | <u>No Units</u> | <u>Year Built</u> | <u>High Unit Cost (\$000)</u> | <u>Unit (NSM)</u> | <u>Proj (NSM)</u> | <u>Total Cost (\$000)</u> | <u>Improvements Non-Routine (\$000 FY95-99)</u> |
|-----------------|---------------------|-----------------------|---------------------------------------|-----------------------|-----------------------|-------------------------------|---|
|-----------------|---------------------|-----------------------|---------------------------------------|-----------------------|-----------------------|-------------------------------|---|

NEVADA

| | | | | | | | |
|---------------|---|------|----|-----|-----|-----|---|
| <u>Nellis</u> | 4 | 1957 | 86 | 166 | 664 | 342 | 0 |
|---------------|---|------|----|-----|-----|-----|---|

Narrative: Repair bathrooms and kitchens. Replace existing built-up roofs with pitched clay tile roof system. Install attic insulation. Provide set-back, energy conserving heat, ventilation, and air conditioning controls. Repair roof soffits and eaves. Relocate intrusive communications and electrical lines from laundry. Raise ceiling height in front entryways. Replace closet doors with mirrored doors. Increase closet storage space. Upgrade light fixtures. Replace wall and floor coverings. Repair patios. Replace stepping stones with concrete sidewalks. Repair patios and driveways. Abate asbestos and lead-based paint.

OHIO

| | | | | | | | |
|-------------------------|-----|------|----|-----|--------|-------|---|
| <u>Wright-Patterson</u> | 104 | 1975 | 21 | 119 | 12,376 | 2,002 | 0 |
|-------------------------|-----|------|----|-----|--------|-------|---|

Narrative: Repair exteriors, including replacing siding, roofs, roof flashing, gutters, and downspouts. Replace windows with new energy-efficient windows. Replace exterior light fixtures, door bells, and range exterior hood vents. Repair sidewalks, curbs, and steps. Replace rear service doors, jambs, and locks on garages. Tuckpoint masonry. Construct new gables and dormers, repair eaves, and construct new patio door covers.

| | | | | | | | |
|-------------------------|----|------|----|-----|-------|-----|-------|
| <u>Wright-Patterson</u> | 45 | 1975 | 21 | 115 | 5,175 | 869 | 1,269 |
|-------------------------|----|------|----|-----|-------|-----|-------|

Narrative: Repair kitchens, including replacing kitchen cabinets, sinks, faucets, counter tops, range hoods, garbage disposals, light fixtures and flooring. Repair bathrooms, including replacing vanities, sinks, faucets, light fixtures, medicine cabinets, exhaust fans, flooring, tub and shower enclosures. Paint kitchen and bath ceilings and walls.

OKLAHOMA

| | | | | | | | |
|--------------|----|------|----|-----|-------|-------|---|
| <u>Altus</u> | 23 | 1977 | 60 | 126 | 2,898 | 1,380 | 0 |
|--------------|----|------|----|-----|-------|-------|---|

Narrative: Replace electrical, heating, and air conditioning systems. Renovate kitchens and bathrooms. Install carpet and replace floor tile.

SOUTH CAROLINA

| | | | | | | | |
|-------------------|----|------|----|-----|-------|-----|---|
| <u>Charleston</u> | 10 | 1957 | 90 | 130 | 1,300 | 500 | 3 |
|-------------------|----|------|----|-----|-------|-----|---|

Narrative: Replace under-slab plumbing and bathroom plumbing fixtures. Replace kitchen cabinets and countertops. Replace asbestos-containing floor coverings.

| | | | | | | | |
|-------------------|----|------|----|----|-------|-------|---|
| <u>Charleston</u> | 25 | 1957 | 95 | 99 | 2,475 | 1,500 | 3 |
|-------------------|----|------|----|----|-------|-------|---|

Narrative: Replace under-slab plumbing and bathroom plumbing fixtures. Replace kitchen cabinets and countertops. Replace asbestos-containing floor coverings. Add insulation and electrical wiring.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2000 BUDGET REQUEST

FAMILY HOUSING REPAIRS
(EXCEEDING \$20,000 THRESHOLD)

| <u>Location</u> | <u>No Units</u> | <u>Year Built</u> | <u>High Unit Cost (\$000)</u> | <u>Unit (NSM)</u> | <u>Proj (NSM)</u> | <u>Total Cost (\$000)</u> | <u>Improvements Non-Routine (\$000 FY95-99)</u> |
|-----------------|---------------------|-----------------------|---------------------------------------|-----------------------|-----------------------|-------------------------------|---|
|-----------------|---------------------|-----------------------|---------------------------------------|-----------------------|-----------------------|-------------------------------|---|

TEXAS

| | | | | | | | |
|--------|----|------|----|-----|-------|-------|---|
| Brooks | 33 | 1962 | 41 | 128 | 4,224 | 1,262 | 0 |
|--------|----|------|----|-----|-------|-------|---|

Narrative: Install vinyl siding over deteriorating exterior wood surfaces. Replace leaking roofs, gutters, and downspouts. Replace exterior doors. Replace existing windows with energy-efficient double-pane windows. Abate lead-based paint.

| | | | | | | | |
|-----------------|----|------|----|-----|-------|-----|---|
| <u>Lackland</u> | 10 | 1959 | 75 | 108 | 1,080 | 750 | 0 |
|-----------------|----|------|----|-----|-------|-----|---|

Narrative: Repair foundations and interior finishes. Replace utility lines.

| | | | | | | | |
|----------|----|------|----|-----|-------|-----|---|
| Randolph | 15 | 1932 | 35 | 135 | 2,025 | 517 | 0 |
|----------|----|------|----|-----|-------|-----|---|

Narrative: Remodel kitchens and baths. Replace entry canopies, air conditioning condensers, kitchen appliances, exterior locks and doors. Replace exterior storage.

WASHINGTON

| | | | | | | | |
|----------------|---|------|----|-----|-----|-----|----|
| <u>McChord</u> | 3 | 1929 | 60 | 216 | 648 | 169 | 23 |
|----------------|---|------|----|-----|-----|-----|----|

Narrative: Repair entryways, doors, windows, and siding for homes and garages. Replace fin-tube radiators, abate lead-based paint and asbestos containing materials, paint exterior trim.

OVERSEAS

ALASKA

| | | | | | | | |
|----------------|----|------|----|-----|-------|-------|-----|
| <u>Eielson</u> | 48 | 1948 | 30 | 120 | 5,760 | 1,296 | 313 |
|----------------|----|------|----|-----|-------|-------|-----|

Narrative: Replace deteriorated domestic heating system to include piping, valves, pumps, heat exchangers, fin-tube units, and hot water generators.

AZORES

| | | | | | | | |
|--------------------|-----------|-------------|-----------|-----------|--------------|--------------|----------|
| <u>Lajes Field</u> | 10 | 1961 | 61 | 77 | 770 | 610 | 0 |
| | <u>70</u> | <u>1961</u> | <u>70</u> | <u>92</u> | <u>6,440</u> | <u>4,900</u> | <u>0</u> |
| Totals | 80 | | | | <u>7,210</u> | <u>5,510</u> | <u>0</u> |

Narrative: Repair heat and ventilation systems, replace interior water and waste piping, interior electrical system, lighting, kitchen cabinets, doors, and windows.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2000 BUDGET REQUEST

FAMILY HOUSING REPAIRS
(EXCEEDING \$20,000 THRESHOLD)

| <u>Location</u> | <u>No Units</u> | <u>Year Built</u> | <u>High Unit Cost (\$000)</u> | <u>Unit (NSM)</u> | <u>Proj (NSM)</u> | <u>Total Cost (\$000)</u> | <u>Improvements Non-Routine (\$000 FY95-99)</u> |
|-----------------|---------------------|-----------------------|---------------------------------------|-----------------------|-----------------------|-------------------------------|---|
|-----------------|---------------------|-----------------------|---------------------------------------|-----------------------|-----------------------|-------------------------------|---|

GERMANY

| | | | | | | | |
|-----------------|----|------|-----|-----|-------|-------|---|
| <u>Ramstein</u> | 54 | 1955 | 138 | 110 | 5,940 | 5,953 | 0 |
|-----------------|----|------|-----|-----|-------|-------|---|

Narrative: Replace kitchen fixtures, sinks, cabinets, and counters; bath fixtures, sinks, and tubs; water, heat, radiator, and sewage lines; entrance, exit, fire, and basement doors. Replace 2-wire electrical system with 3-wire 110 volt system. Replace electrical fixtures, outlets, switches, panel boxes, doorbells, and intercom systems. Repair floor and wall tiles. Plaster and paint surfaces. Repair common areas and correct fire deficiencies. Replace deteriorated balconies.

| | | | | | | | |
|-----------------|----|------|-----|----|-------|-------|---|
| <u>Ramstein</u> | 96 | 1953 | 125 | 96 | 9,216 | 9,216 | 0 |
|-----------------|----|------|-----|----|-------|-------|---|

Narrative: Replace kitchen fixtures, sinks, cabinets, and counters; bath fixtures, sinks, and tubs; water, heat, radiator, and sewage lines; entrance, exit, fire, and basement doors. Replace 2-wire electrical system with 3-wire 110 volt system. Replace electrical fixtures, outlets, switches, panel boxes, doorbells, and intercom systems. Repair floor and wall tiles. Plaster and paint surfaces. Repair common areas and correct fire deficiencies. Replace deteriorated balconies.

| | | | | | | | |
|--------------------|----|------|-----|-----|-------|-------|---|
| <u>Spangdahlem</u> | 24 | 1953 | 137 | 107 | 2,568 | 2,633 | 0 |
|--------------------|----|------|-----|-----|-------|-------|---|

Narrative: Repair ceilings, windows, cabinetry, and doors in kitchen, bedrooms, bathrooms, living room, laundry, and common area stairwells. Replace electrical, heating, water, sewage, and lightning protection systems. Replace flooring throughout units. Replace TV antenna system, letterboxes, blinds, grating for basement windows, doors, stairwell steps, railings, and doors. Repair common areas and correct fire deficiencies. Provide smoke detection, fire reporting systems, ground fault interrupters, and television and telephone pre-wiring where appropriate. Repair roof.

JAPAN

| | | | | | | | |
|---------------|----|------|-----|-----|-------|-----|---|
| <u>Kadena</u> | 10 | 1953 | 102 | 123 | 1,230 | 980 | 0 |
|---------------|----|------|-----|-----|-------|-----|---|

Narrative: Replace existing deteriorated tile roofs with reinforced concrete roof to include work in the ceiling and electrical/mechanical systems.

| | | | | | | | |
|---------------|-----------|------|----|------------|--------------|--------------|---|
| <u>Kadena</u> | 188 | 1985 | 45 | 85 | 15,980 | 7,708 | 0 |
| | 84 | 1964 | 41 | 114 | 9,576 | 3,108 | |
| | <u>92</u> | 1979 | 59 | <u>106</u> | <u>9,752</u> | <u>5,060</u> | |
| | 364 | | | 305 | 35,308 | 15,876 | |

Narrative: Replace failing domestic hot water and HVAC systems and associated electrical hardware with reverse-cycle heat pumps. Provide concrete pad and electrical connections to support heat pumps.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2000 BUDGET REQUEST

FAMILY HOUSING REPAIRS
(EXCEEDING \$20,000 THRESHOLD)

| <u>Location</u> | <u>No Units</u> | <u>Year Built</u> | <u>High Unit Cost (\$000)</u> | <u>Unit (NSM)</u> | <u>Proj (NSM)</u> | <u>Total Cost (\$000)</u> | <u>Improvements Non-Routine (\$000 FY95-99)</u> |
|-----------------|---------------------|-----------------------|---------------------------------------|-----------------------|-----------------------|-------------------------------|---|
|-----------------|---------------------|-----------------------|---------------------------------------|-----------------------|-----------------------|-------------------------------|---|

UNITED KINGDOM

| | | | | | | | |
|-------------------|----|------|----|----|-------|-------|-----|
| <u>Lakenheath</u> | 26 | 1949 | 74 | 88 | 2,288 | 1,540 | 385 |
|-------------------|----|------|----|----|-------|-------|-----|

Narrative: Replace kitchen and bathroom sinks, cabinets and counters. Repair bedrooms, bathrooms, living room, hallways, and foyer. Replace electrical, mechanical, heating, water, and sewage systems. Replace letterboxes, blinds, windows, doors, flooring, and front steps. Repair roofs, structural elements, exterior amenities, and paint exteriors. Abate asbestos and lead-based paint.

| | | | | | | | |
|-------------------|----|------|-----|-----|-------|-------|---|
| <u>Mildenhall</u> | 10 | 1933 | 196 | 248 | 2,480 | 1,568 | 0 |
|-------------------|----|------|-----|-----|-------|-------|---|

Narrative: Replace kitchen and bathroom sinks, cabinets and counters. Repair bedrooms, bathrooms, living room, hallways, and foyer. Replace electrical, mechanical, heating, water, and sewage systems. Replace letterboxes, blinds, windows, doors, flooring, and front steps. Repair roofs, structural elements, exterior amenities, and paint exteriors. Abate asbestos and lead-based paint.

| | | | | | | | |
|-------------------|----|------|----|-----|-------|-------|---|
| <u>Molesworth</u> | 50 | 1960 | 64 | 112 | 5,600 | 2,400 | 0 |
|-------------------|----|------|----|-----|-------|-------|---|

Narrative: Replace kitchen and bathroom sinks, cabinets and counters. Repair bedrooms, bathrooms, living room, hallways, and foyer. Replace electrical, mechanical, heating, water, and sewage systems. Replace letterboxes, blinds, windows, doors, flooring, and front steps. Repair roofs, structural elements, exterior amenities, and paint exteriors. Abate asbestos and lead-based paint.

The following projects were submitted or notified as above-threshold for 1998:

McClellan AFB, CA: Storm damage repairs to 7 units totaled \$147K.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2000 BUDGET REQUEST

FAMILY HOUSING REPAIRS
(EXCEEDING \$25,000 THRESHOLD)

This information complies with the 1984 House Appropriations Committee language requiring the Services to report any expenditures from the maintenance account for General or Flag Officer housing projected to exceed \$25,000 per unit.

The number of maintenance projects over this threshold has increased significantly over previous years which reflects a growing deterioration of the inventory and growing inflationary pressure on the threshold. This is primarily due to the growing number of units that are waiting for improvement and renovation with investment funding. Since over 60 percent of the average investment project includes major maintenance and repair actions, we can mitigate some of these problems through the O&M program. While these projects are shown as line items, the maintenance budget estimate includes them among overall requirements for the entire inventory.

As with the non-GOQ units exceeding the \$20,000 threshold, inflation plays a role in driving repair costs beyond the \$25,000 threshold. Eventually relatively routine repairs will exceed the specified thresholds if no upward adjustment to the threshold is made to account for inflation.

Each project described below includes maintenance and repair, alterations, asbestos and lead based paint abatement and operations costs anticipated for FY 2000 to present a complete picture of the spending projected for the quarters.

CONUS

| <u>Location</u> | <u>Qtrs</u> <u>ID</u> | <u>Size</u> <u>NSM</u> | <u>Year</u> <u>Built</u> | <u>Oper</u> <u>Total</u> (\$000) | <u>Util</u> <u>Total</u> (\$000) | <u>Maint</u> <u>Total</u> (\$000) | <u>Total</u> <u>O&M</u> (\$000) | <u>Unit</u> <u>Maint</u> <u>Limit</u> (\$000) | <u>Improvement</u> <u>Non-Routine</u> <u>FY1995-1999</u> (\$000) |
|-----------------|--------------------------|---------------------------|-----------------------------|--|--|---|---|--|---|
|-----------------|--------------------------|---------------------------|-----------------------------|--|--|---|---|--|---|

COLORADO

| | | | | | | | | | |
|---------------------|------|-----|------|---|---|-----|-----|-----|---|
| <u>USAF Academy</u> | 6776 | 421 | 1935 | 2 | 3 | 135 | 140 | 135 | 4 |
|---------------------|------|-----|------|---|---|-----|-----|-----|---|

Narrative: Repair Carlton House, home of the Air Force Academy Superintendent. House is on the National Register of Historic Places and must be repaired in a manner which preserves its historic character. Replace failing windows. Repair sagging deck superstructure which forces nonuse of the deck. Repair brick patio. Reseal basement walls. Replace master bath fixtures. Replace awnings. Repair family room. Repair humidification system.

FLORIDA

| | | | | | | | | | |
|----------------|-----|-----|------|---|---|----|-----|----|----|
| <u>MacDill</u> | 401 | 273 | 1941 | 6 | 5 | 90 | 101 | 90 | 49 |
| | 402 | 239 | 1941 | 6 | 3 | 90 | 99 | 90 | 64 |
| | 404 | 239 | 1941 | 5 | 4 | 90 | 99 | 90 | 55 |
| | 405 | 239 | 1941 | 5 | 4 | 90 | 99 | 90 | 47 |

Narrative: Renovate kitchens; replumb water supply and drain lines; repair electrical systems, replace sinks, floor, ceiling tiles, lights, and cabinets.

| | | | | | | | | | |
|----------------|------|-----|------|---|---|----|----|----|---|
| <u>Patrick</u> | 3573 | 238 | 1958 | 4 | 3 | 48 | 55 | 48 | 0 |
|----------------|------|-----|------|---|---|----|----|----|---|

Narrative: Replace kitchen cabinets, countertops, sinks, flooring, built-in appliances, lighting, plumbing, and electrical components. Refinish walls and ceiling. Replace doors and shelving and repair deteriorated wall surfaces in and around 12 closets.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 2000 BUDGET REQUEST

FAMILY HOUSING REPAIRS
(EXCEEDING \$25,000 THRESHOLD)

| <u>Location</u> | <u>Qtrs</u> <u>ID</u> | <u>Size</u> <u>NSM</u> | <u>Year</u> <u>Built</u> | <u>Oper</u> <u>Total</u> (\$000) | <u>Util</u> <u>Total</u> (\$000) | <u>Maint</u> <u>Total</u> (\$000) | <u>Total</u> <u>O&M</u> (\$000) | <u>Unit</u> <u>Maint</u> <u>Limit</u> (\$000) | <u>Improvements</u> <u>Non-Routine</u> <u>FY1995-1999</u> (\$000) |
|-----------------|--------------------------|---------------------------|-----------------------------|--|--|---|---|--|--|
|-----------------|--------------------------|---------------------------|-----------------------------|--|--|---|---|--|--|

GEORGIA

| | | | | | | | | | |
|---------------|-----|-----|------|----|---|----|----|----|---|
| <u>Robins</u> | 405 | 193 | 1942 | 10 | 3 | 50 | 63 | 50 | 0 |
|---------------|-----|-----|------|----|---|----|----|----|---|

Narrative: Replace existing heating, ventilation, and air conditioning (HVAC), existing electrical system (wiring, panel boards, outlets) and plumbing (waste and water lines). HVAC system is over 15 years old and the electrical system is over 50 years old. Wire insulation is brittle and deteriorating. Plumbing is clogged with deposits and sediment.

NEBRASKA

| | | | | | | | | | |
|---------------|------|-----|------|----|----|-----|-----|----|---|
| <u>Offutt</u> | 7-15 | 309 | 1894 | 53 | 17 | 440 | 510 | 55 | 0 |
| | 16 | 590 | 1894 | 6 | 4 | 69 | 79 | 69 | 0 |

Narrative: Install sub-foundation ventilation to mitigate radon. Install perimeter drainage system around foundation. Tuckpoint brick, install chimney liners, weatherstrip windows. Replace carpeting and paint trim. Repair porches and stairs on historic quarters.

NEVADA

| | | | | | | | | | |
|---------------|-----|-----|------|---|---|-----|-----|-----|---|
| <u>Nellis</u> | 648 | 195 | 1957 | 4 | 3 | 118 | 125 | 118 | 0 |
| | 650 | 202 | 1968 | 4 | 4 | 120 | 128 | 120 | 0 |

Narrative: Repair bathrooms and kitchens. Replace existing built-up roofs with pitched clay tile roof system. Install attic insulation. Provide set-back, energy conserving heat, ventilation, and air conditioning controls. Repair roof soffits and eaves. Relocate intrusive communications and electrical lines from laundry. Raise ceiling height in front entryways. Replace closet doors with mirrored doors. Increase closet storage space. Upgrade light fixtures. Replace wall and floor coverings. Repair patios. Replace stepping stones with concrete sidewalks. Repair patios and driveways. Abate asbestos and lead-based paint.

OHIO

| | | | | | | | | | |
|-------------------------|--------|-----|------|---|---|----|----|----|---|
| <u>Wright-Patterson</u> | 10424 | 184 | 1935 | 1 | 2 | 33 | 36 | 33 | 0 |
| | 10422 | 221 | 1935 | 1 | 3 | 58 | 62 | 58 | 0 |
| | 10422A | 221 | 1935 | 2 | 3 | 73 | 78 | 73 | 0 |
| | 10420 | 221 | 1935 | 1 | 3 | 69 | 73 | 69 | 0 |
| | 10420A | 221 | 1935 | 1 | 3 | 63 | 67 | 63 | 0 |
| | 10418 | 184 | 1935 | 1 | 2 | 31 | 34 | 31 | 0 |
| | 10703 | 221 | 1935 | 1 | 3 | 65 | 69 | 65 | 0 |
| | 10703A | 221 | 1935 | 2 | 3 | 64 | 69 | 64 | 0 |
| | 10804 | 184 | 1935 | 1 | 2 | 38 | 41 | 38 | 0 |

Narrative: Repair/restore windows with energy efficient windows meeting historic criteria, reconstruct parapets and bay windows, replace built-up roof and awnings.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 2000 BUDGET REQUEST

FAMILY HOUSING REPAIRS
(EXCEEDING \$25,000 THRESHOLD)

| <u>Location</u> | <u>Qtrs</u> <u>ID</u> | <u>Size</u> <u>NSM</u> | <u>Year</u> <u>Built</u> | <u>Oper</u> <u>Total</u> (\$000) | <u>Util</u> <u>Total</u> (\$000) | <u>Maint</u> <u>Total</u> (\$000) | <u>Total</u> <u>O&M</u> (\$000) | <u>Unit</u> <u>Maint</u> <u>Limit</u> (\$000) | <u>Improvements</u> <u>Non-Routine</u> <u>FY1995-1999</u> (\$000) |
|--|--------------------------|---------------------------|-----------------------------|--|--|---|---|--|--|
| <u>TEXAS</u> | | | | | | | | | |
| <u>Brooks</u> | 483 | 193 | 1962 | 2 | 2 | 33 | 37 | 33 | 0 |
| Narrative: Install vinyl siding over exterior wood surfaces to decrease maintenance problems and encapsulate lead-based paint. Replace existing aluminum windows with energy efficient, double-pane windows. | | | | | | | | | |
| <u>WASHINGTON DC</u> | | | | | | | | | |
| <u>Bolling</u> | 75-89 | 1,794 | 1975 | 150 | 30 | 600 | 780 | 43 | 0 |
| Narrative: Replace deteriorated, leaking windows with energy-conserving windows. Repair water damaged interior walls and surfaces, insulation, wiring, and trim. Replace facade siding. | | | | | | | | | |
| <u>Bolling</u> | 22-26 | 225 | 1932 | 30 | 6 | 135 | 166 | 45 | 0 |
| | 30-32 | 225 | 1932 | 20 | 4 | 90 | 114 | 45 | 0 |
| | 62 | 284 | 1932 | 10 | 2 | 45 | 57 | 45 | 0 |
| | 63 | 285 | 1932 | 10 | 2 | 45 | 57 | 45 | 0 |
| | 64-74 | 226 | 1932 | 50 | 10 | 225 | 285 | 45 | 0 |

Narrative: Repair foundation walls to prevent basement flooding: excavate near foundations, seal foundation walls and provide drainage system, install sump pumps in basements.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FY 2000 BUDGET REQUEST

FAMILY HOUSING REPAIRS
(EXCEEDING \$25,000 THRESHOLD)

| <u>Location</u> | <u>Qtrs</u> <u>ID</u> | <u>Size</u> <u>NSM</u> | <u>Year</u> <u>Built</u> | <u>Oper</u> <u>Total</u> <u>(\$000)</u> | <u>Util</u> <u>Total</u> <u>(\$000)</u> | <u>Maint</u> <u>Total</u> <u>(\$000)</u> | <u>Total</u> <u>O&M</u> <u>(\$000)</u> | <u>Unit</u> <u>Maint</u> <u>Limit</u> <u>(\$000)</u> | <u>Improvements</u> <u>Non-Routine</u> <u>FY1995-1999</u> <u>(\$000)</u> |
|--|--------------------------|---------------------------|-----------------------------|---|---|--|--|---|---|
| <u>OVERSEAS</u> | | | | | | | | | |
| <u>JAPAN</u> | | | | | | | | | |
| <u>Yokota</u> | 692 | 432 | 1975 | 5 | 12 | 364 | 381 | 364 | 191 |
| Narrative: Replace deteriorated HVAC system; paint exterior. | | | | | | | | | |
| <u>Yokota</u> | 693 | 273 | 1975 | 5 | 12 | 339 | 356 | 339 | 64 |
| Narrative: Replace deteriorated HVAC system, replace roof, and paint exterior. | | | | | | | | | |

The following projects were submitted or notified as above-threshold for 1998:

Bolling AFB, DC: Maintenance and repair on one GOQ totaled \$26,300 at the time of notification; project to correct severe basement flooding due to leaking foundation walls inadvertently drove the unit above the threshold.

Peterson AFB, CO: The MAJCOM commander's residence was vacated out of cycle; change of occupancy work totaled \$95K. Project included in Air Force's out-of-cycle submission.

MacDill AFB, FL: Roof deterioration on 5 units mandated replacement of 50-year-old clay tile roofs. Cost of replacement forced the project to \$59K per unit. Project included in Air Force's out-of-cycle submission.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2000 BUDGET REQUEST

RECONCILIATION OF INCREASES AND DECREASES
Exhibit OP-5

Reimbursement. Includes collections received from rental of Air Force family housing to foreign nationals, civilians and others. Included in the estimate are the anticipated reimbursements due to members who voluntarily separate that are authorized to live in government quarters for up to 6 months after separation.

(\$ in Thousands)

| | | |
|-----|--|----------|
| 1. | FY 1999 President's Budget (Amended): | \$9,400 |
| 2. | Congressional Adjustments: | None |
| 3. | FY 1999 Appropriated Amount: | \$9,400 |
| 4. | Proposed Supplementals: | None |
| 5. | Price Growth: | None |
| 6. | Functional Program Transfers: | None |
| 7. | Program Increases: Rent income over estimate | \$1,091 |
| 8. | FY 1999 Current Estimate: | \$10,491 |
| 9. | Price Growth: Inflation | \$157 |
| 10. | Functional Program Transfers: | None |
| 11. | Program Increases: | None |
| 12. | Program Decreases: | None |
| 13. | FY 2000 Budget Request: | \$10,648 |

Analysis of Changes in Reimbursements

-- The FY 2000 Budget Request includes only inflationary increases from the FY 1999 program.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2000 BUDGET REQUEST

LEASING

Program (\$ in Thousands)
FY 2000 Program \$118,509
FY 1999 Program \$114,965

Purpose and Scope

Provides leasing of privately-owned housing for assignment as government quarters at both domestic and foreign locations when the local economy and on-base housing cannot satisfy requirements. The leasing program is authorized by 10 U.S.C. 2828 and provides for payment of rent, operations, and maintenance costs of privately-owned quarters for assignment as government quarters to military families. This program also includes funds needed to pay for services such as utilities and refuse collection when these services are not part of the contract agreement.

The Air Force continues to rely on the private sector to meet the majority of housing needs. Where the private sector rental markets and on-base housing cannot meet requirements and cost-effective alternatives do not exist, short and long-term leases are used. The Air Force must use the leasing program in high cost areas and overseas to obtain adequate housing to meet critical needs.

Program Summary - Highlights

Authorization is requested for appropriation of \$118,509,000 to fund leases and related expenses in FY 2000. FY 2000 request for family housing leasing points is summarized as follows:

- (1) 9,201 Foreign lease points
- (2) 5,800 Section 801 lease points
- (3) 3,333 Domestic lease points

Foreign Leasing

Leasing in foreign countries is controlled by Congress. First by the number of lease points authorized, then by the review and approval of contract proposals, and finally by the funds appropriated. As overseas bases close, foreign leases are terminated as soon as economically possible. Air Force strategy during the remaining drawdown in overseas areas is to continue to maximize the use of government-controlled assets, thereby providing more affordable housing for our personnel and avoiding expensive off-base housing entitlements. The Air Force has been able to retain some housing areas from closing bases for use by families at remaining nearby bases. In fact, the percentage of Air Force members assigned to foreign locations who are able to

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2000 BUDGET REQUEST

reside in government-controlled quarters has increased. As the Air Force has drawn down in Europe, the order of the release of housing assets has been, where possible,

(1) private rentals (which are usually the most expensive),
(2) Government Rental Housing Program (GRHP) and build-to-lease units, and (3) government owned. The exact mix of types of housing has depended upon available assets in each locality. Where possible the Air Force has made renewals of leases on a year-to-year basis to reduce costs by limiting termination liability. Full authorization is required to allow for sufficient flexibility during mission realignments to maximize cost effective solutions.

Section 801 Leasing

This program is helping to reduce our CONUS family housing deficit at bases where Air Force families are seriously affected by housing shortages and high housing costs.

In FY 1984, Congress authorized the testing of a new leasing program for U.S. installations in P.L. 98-115, Section 801. Subsequently, nine housing communities were constructed:

Eielson AFB, AK, 300 units and 366 units
Hanscom AFB, MA, 163 units
Goodfellow AFB, TX, 200 units
March AFB, CA, 200 units (base closed in FY96)
Summerfield, MD 1242 units (828 Air Force, 414 Navy funded)
Travis AFB, CA 300 units
Ellsworth AFB, SD, 200 units and 828 units
Hurlburt AFB, FL, 300 units
Cannon AFB, NM, 350 units

Domestic Leasing

Domestic leasing provides temporary housing for Air Force families pending availability of permanent housing. For example, the Air Force is supporting OSD's requests for domestic lease units for personnel assigned to the Armed Forces Radio and Television Service in Los Angeles, CA, and for units supporting the DFAS reorganization. This has been an excellent transition procedure to support families in high cost areas while preparing for long-term solutions. Also, affordable housing in high cost locations for recruiters is giving vital support to recruiting. Congress has authorized leasing of domestic units (10 U.S.C. 2828) on a temporary basis to satisfy critical requirements until a permanent solution can be found or if more economical than construction.

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2000 BUDGET REQUEST

RECONCILIATION OF INCREASES AND DECREASES

EXHIBIT OP-5

| <u>Leasing</u> | (\$ in Thousands) |
|---|-------------------|
| 1. FY 1999 President's Budget (Amended) | \$118,071 |
| 2. Congressional Adjustments: | None |
| 3. FY 1999 Appropriated Amount: | \$118,071 |
| 4. Supplementals: | None |
| 5. Price Growth: Foreign Currency Adjustment | -\$4,433 |
| 6. Functional Program Transfers: | None |
| 7. Program Increases: Implementation of build- lease initiative at Aviano and Lakenheath ABs | \$1,327 |
| 8. Program Decreases: | None |
| 9. FY99 Current Estimate | \$114,965 |
| 10. Price Growth: | |
| a. Inflation | \$1,724 |
| b. Foreign Currency Fluctuation Rate Adjustment | None |
| 11. Functional Program Transfer: | None |
| 12. Program Increases: Continuing buildup, Aviano and Lakenheath ABs | 2,113 |
| 13. Program Decreases: Beginning closure transition, San Vito, Italy. | -\$293 |
| 14. FY 2000 Budget Request: | \$118,509 |

Analysis of Changes in Leasing

The attached leasing charts reflect changes to the program by locations and type of lease. These requirements are a direct result of changes to mission beddowns and other housing needs.

ANALYSIS OF LEASED UNITS (Other than Section 801)

| LOCATION | FY 98 | | | FY 99 | | | FY 00 | | |
|------------------------------|---------------|---------------|-----------------|---------------|---------------|-----------------|---------------|---------------|-----------------|
| | # UNITS | LEASE MONTHS | COST (\$000) | # UNITS | LEASE MONTHS | COST (\$000) | # UNITS | LEASE MONTHS | COST (\$000) |
| | | | | | | | | | |
| DOMESTIC LEASES | | | | | | | | | |
| Los Angeles, CA | 35 | 420 | \$434 | 35 | 420 | \$438 | 35 | 420 | \$443 |
| Los Angeles, CA (Det.4) | 4 | 48 | \$50 | 4 | 48 | \$51 | 4 | 48 | \$51 |
| Los Angeles, CA (AFRTS) | 20 | 240 | \$248 | 20 | 240 | \$250 | 20 | 240 | \$252 |
| Los Angeles, CA (DFAS) | 12 | 144 | \$149 | 40 | 480 | \$501 | 40 | 480 | \$506 |
| Pinedale, WY | 7 | 84 | \$85 | 7 | 84 | \$88 | 7 | 84 | \$89 |
| Yakima, WA | 5 | 60 | \$61 | 7 | 84 | \$86 | 7 | 84 | \$87 |
| Recruiter/R.O.T.C. | 145 | 1,740 | \$1,813 | 168 | 2,016 | \$2,125 | 172 | 2,064 | \$2,185 |
| Unassigned | 3,105 | 0 | \$0 | 3,052 | 0 | \$0 | 3,048 | 0 | \$0 |
| TOTAL DOMESTIC LEASES | 3,333 | 2,736 | \$2,840 | 3,333 | 3,372 | \$3,539 | 3,333 | 3,420 | \$3,613 |
| FOREIGN LEASES | | | | | | | | | |
| Aman, Jordan | 4 | 48 | \$90 | 4 | 48 | \$95 | 4 | 48 | \$96 |
| Cairo, Egypt | 4 | 48 | \$94 | 4 | 48 | \$96 | 4 | 48 | \$96 |
| Manama, Bahrain | 2 | 24 | \$49 | 2 | 24 | \$50 | 2 | 24 | \$50 |
| Nairobi, Kenya | 1 | 12 | \$29 | 1 | 12 | \$33 | 1 | 12 | \$33 |
| Asmara, Eritea | 1 | 12 | \$24 | 1 | 12 | \$24 | 1 | 12 | \$24 |
| Islamabad, Pakistan | 0 | 0 | \$0 | 1 | 12 | \$21 | 1 | 12 | \$21 |
| Doha, Qatar | 1 | 12 | \$34 | 1 | 12 | \$39 | 1 | 12 | \$39 |
| Abu Dhabi, UAE | 1 | 12 | \$59 | 1 | 12 | \$60 | 1 | 12 | \$60 |
| Bangkok, Thailand | 7 | 84 | \$149 | 7 | 84 | \$150 | 7 | 84 | \$151 |
| Classified Location | 5 | 60 | \$175 | 5 | 60 | \$180 | 5 | 60 | \$182 |
| Osan, Korea | 276 | 3,312 | \$4,349 | 276 | 3,312 | \$3,920 | 276 | 3,312 | \$3,798 |
| Sembawang, Singapore | 117 | 1,404 | \$4,902 | 117 | 1,404 | \$4,935 | 117 | 1,404 | \$5,005 |
| Alconbury/Molesworth, UK | 30 | 360 | \$559 | 0 | 0 | \$0 | 0 | 0 | \$0 |
| Ankara, Turkey | 32 | 384 | \$436 | 32 | 384 | \$448 | 32 | 384 | \$453 |
| Aviano, Italy | 695 | 8,340 | \$9,125 | 725 | 8,700 | \$8,786 | 785 | 9,420 | \$10,158 |
| Bentwaters, UK | 293 | 3,516 | \$4,108 | 293 | 3,516 | \$4,130 | 293 | 3,516 | \$4,147 |
| Geilenkirchen, Germany | 1 | 12 | \$16 | 1 | 12 | \$17 | 1 | 12 | \$17 |
| Izmir, Turkey | 8 | 96 | \$233 | 7 | 84 | \$209 | 7 | 84 | \$209 |
| Kalkar, Germany | 26 | 312 | \$507 | 26 | 312 | \$558 | 26 | 312 | \$542 |
| Lakenheath, UK | 1,076 | 12,912 | \$13,803 | 1,520 | 18,240 | \$18,579 | 1,583 | 18,996 | \$20,430 |
| Stavanger, Norway | 1 | 12 | \$102 | 1 | 12 | \$107 | 1 | 12 | \$108 |
| Paris, France | 7 | 84 | \$333 | 7 | 84 | \$341 | 7 | 84 | \$341 |
| Ramstein, Germany | 37 | 444 | \$698 | 37 | 444 | \$730 | 37 | 444 | \$725 |
| San Vito, Italy | 150 | 1,800 | \$2,122 | 150 | 1,800 | \$2,150 | 125 | 1,500 | \$1,842 |
| Spangdahlem, Germany | 500 | 6,000 | \$6,126 | 500 | 6,000 | \$6,210 | 500 | 6,000 | \$6,265 |
| Upper Heyford, UK | 50 | 600 | \$761 | 50 | 600 | \$760 | 50 | 600 | \$761 |
| Ascension Island | 1 | 12 | \$20 | 1 | 12 | \$20 | 1 | 12 | \$20 |
| Copenhagen, Denmark | 4 | 48 | \$103 | 4 | 48 | \$104 | 4 | 48 | \$104 |
| Unassigned | 5,871 | N/A | | 5,427 | N/A | | 5,329 | N/A | |
| TOTAL FOREIGN LEASES | 9,201 | 39,960 | \$49,006 | 9,201 | 45,288 | \$52,752 | 9,201 | 46,464 | \$55,677 |
| GRAND TOTAL FH-4 | 12,534 | 42,696 | \$51,846 | 12,534 | 48,660 | \$56,291 | 12,534 | 49,884 | \$59,290 |

ANALYSIS OF HIGH COST LEASED UNITS
(Other than Section 801)
FY 2000

| LOCATION | FY00 TOTAL LEASES Per Country | FY98 | | | FY99 | | | FY00 | | |
|----------------------------|---|-----------------------|-------------------------|-------------|-----------------------|-------------------------|-------------|-----------------------|-------------------------|-------------|
| | | HIGH COST UNITS | HIGH COST Defined | EST COST | HIGH COST UNITS | HIGH COST Defined | EST COST | HIGH COST UNITS | HIGH COST Defined | EST COST |
| DOMESTIC LEASES | | | | | | | | | | |
| Los Angeles, Ca | 39 | 3 | \$12,000 | \$40,370 | 3 | \$12,000 | \$40,778 | 3 | \$12,000 | \$41,190 |
| Los Angeles, CA/AFRTS | 20 | 7 | | \$87,325 | 7 | | \$87,675 | 7 | | \$88,445 |
| Los Angeles, CA/DFAS | 40 | 8 | to | \$99,880 | 22 | to | \$274,760 | 22 | to | \$276,100 |
| Pinedale, WY | 7 | 4 | | \$48,900 | 4 | | \$50,320 | 4 | | \$50,860 |
| Yakima, WA | 7 | 2 | \$14,000 | \$24,440 | 2 | \$14,000 | \$24,592 | 2 | \$14,000 | \$24,938 |
| Recruiter/ROTC | 173 | 26 | | \$325,598 | 38 | | \$482,183 | 45 | | \$572,535 |
| Sub-Total Domestic | 286 | 50 | | \$626,513 | 76 | | \$960,328 | 83 | | \$1,054,068 |
| FOREIGN LEASES | | | | | | | | | | |
| *Izmir, Turkey - Unit 1321 | | 1 | \$76 | \$37,855 | 1 | \$76 | \$38,305 | 1 | \$76 | \$38,726 |
| *Izmir, Turkey - Unit 762 | | 1 | \$76 | \$48,289 | 1 | \$76 | \$48,910 | 1 | \$76 | \$49,453 |
| *Izmir, Turkey - Unit 805 | | 1 | \$76 | \$54,318 | 1 | \$76 | \$54,916 | 1 | \$76 | \$55,465 |
| *Izmir, Turkey - Unit 1405 | | 1 | \$76 | \$30,568 | 0 | \$0 | \$0 | 0 | \$0 | \$0 |
| *Izmir, Turkey - Unit 1488 | | 1 | \$76 | \$18,028 | 1 | \$76 | \$18,400 | 1 | \$76 | \$18,621 |
| *Izmir, Turkey - Unit 1489 | | 1 | \$76 | \$16,855 | 1 | \$76 | \$17,158 | 1 | \$76 | \$17,367 |
| *Izmir, Turkey - Unit 1490 | | 1 | \$76 | \$25,685 | 1 | \$76 | \$25,993 | 1 | \$76 | \$26,253 |
| *Izmir, Turkey - Unit 1506 | | 1 | \$76 | \$21,952 | 1 | \$76 | \$22,172 | 1 | \$76 | \$22,394 |
| *Izmir, Turkey - Unit 1522 | | 1 | \$76 | \$19,800 | 1 | \$76 | \$20,038 | 1 | \$76 | \$20,260 |
| Total Turkey | 40 | 9 | | 273,350 | 8 | | 245,892 | 8 | | 248,539 |
| *Stavanger, Norway | 1 | 1 | \$20,773 | \$102,000 | 1 | \$20,773 | \$107,000 | 1 | \$20,773 | \$112,000 |
| *Sembawang, Singapore | 117 | 117 | \$3,042,000 | \$4,902,000 | 117 | \$3,042,000 | \$4,935,000 | 117 | \$3,042,000 | \$5,084,000 |
| **Paris, France | 7 | N/A | N/A | \$333,000 | N/A | N/A | \$341,000 | N/A | N/A | \$341,000 |
| **Copenhagen, Denmark | 4 | N/A | N/A | \$27,000 | N/A | N/A | \$27,000 | N/A | N/A | \$26,000 |
| **Aman, Jordan | 4 | N/A | N/A | \$90,000 | N/A | N/A | \$95,000 | N/A | N/A | \$96,000 |
| **Asmara, Eritrea | 1 | N/A | N/A | \$24,000 | N/A | N/A | \$24,000 | N/A | N/A | \$24,000 |
| **Manama, Bahrain | 2 | N/A | N/A | \$49,000 | N/A | N/A | \$50,000 | N/A | N/A | \$50,000 |
| **Islamabad, Pakistan | 1 | N/A | N/A | \$0 | N/A | N/A | \$21,000 | N/A | N/A | \$21,000 |
| **Doha, Qatar | 1 | N/A | N/A | \$34,000 | N/A | N/A | \$39,000 | N/A | N/A | \$39,000 |
| **Abu Dhabi, UAE | 1 | N/A | N/A | \$59,000 | N/A | N/A | \$60,000 | N/A | N/A | \$60,000 |
| **Cairo, Egypt | 4 | N/A | N/A | \$94,000 | N/A | N/A | \$96,000 | N/A | N/A | \$96,000 |
| **Nairobi, Kenya | 1 | N/A | N/A | \$29,000 | N/A | N/A | \$33,000 | N/A | N/A | \$33,000 |
| **Bangkok, Thailand | 7 | N/A | N/A | \$149,000 | N/A | N/A | \$150,000 | N/A | N/A | \$151,000 |
| **Classified Location | 5 | N/A | N/A | \$175,000 | N/A | N/A | \$180,000 | N/A | N/A | \$182,000 |
| Sub-Total Foreign | 196 | 127 | | \$6,613,700 | 126 | | \$6,649,784 | 126 | | \$6,812,078 |
| GRAND TOTAL FH-4A | 482 | 177 | N/A | \$7,240,213 | 202 | N/A | \$7,610,112 | 209 | N/A | \$7,866,146 |

Exhibit FH-4A

HIGH COST domestic lease approvals range between \$12k and \$14k per year with OSD approved inflation added per year. Forty five of the Recruiter and ROTC leases exceed \$12K per year and details of each new or renewed lease is approved by Congress.

* Adjusted cost cap for overseas leases is determined by multiplying \$20k times the FY 88 exchange rate divided by the FY 00 exchange rate. Leases exceeding this cap are defined as HIGH COST and are part of the number of high cost leases allowed.

** State Department pool leases do not count against the total number of high cost leases allowed.

FAMILY HOUSING, DEPARTMENT OF THE AIR FORCE
SECTION 801 FAMILY HOUSING SUMMARY
(Dollars In Thousands)

FY 2000

| LOCATION | NO. OF UNITS | DATE OF AWARD | DATE OF FULL OCCUP | FY98 COSTS | FY99 UNITS | FY99 COSTS | FY00 UNITS | FY00 COSTS |
|---------------------|--------------|---------------|--------------------|------------|------------|------------|------------|------------|
| Hanscom AFB, MA | 163 | SEP 85 | OCT 87 | \$2,936 | 163 | \$2,969 | 163 | \$2,999 |
| Goodfellow AFB, TX | 200 | SEP 86 | JAN 88 | \$1,896 | 200 | \$1,909 | 200 | \$1,929 |
| Andrews AFB, MD | 828 | AUG 91 | OCT 95 | \$12,341 | 828 | \$12,449 | 828 | \$12,575 |
| Hurlburt AFB, FL | 300 | JAN 91 | MAY 92 | \$3,505 | 300 | \$3,554 | 300 | \$3,605 |
| Travis AFB, CA | 300 | SEP 89 | AUG 91 | \$3,920 | 300 | \$3,968 | 300 | \$4,010 |
| Eielson AFB, AK | 300 | JAN 85 | JULY 86 | \$5,701 | 300 | \$5,736 | 300 | \$5,795 |
| Eielson AFB, AK | 366 | SEP 91 | DEC 95 | \$9,920 | 366 | \$9,952 | 366 | \$9,998 |
| Ellsworth AFB, SD | 828 | AUG 89 | JUN 91 | \$11,366 | 828 | \$11,401 | 828 | \$11,512 |
| Ellsworth AFB, SD | 200 | JUN 89 | JULY 90 | \$2,739 | 200 | \$2,757 | 200 | \$2,786 |
| Cannon AFB, NM | 350 | JUN 91 | AUG 93 | \$3,941 | 343 | \$3,979 | 343 | \$4,010 |
| ANNUAL REQUIREMENT | 3,835 | N/A | N/A | \$58,265 | 3,828 | \$58,674 | 3,828 | \$59,219 |
| Unused Lease Points | 1,965 | | | \$0 | 1,972 | | 1,972 | |
| GRAND TOTAL FH-4B | 5,800 | N/A | N/A | \$58,265 | 5,800 | \$58,674 | 5,800 | \$59,219 |

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2000 BUDGET REQUEST

DEBT PAYMENT

Program (in Thousands)

FY 2000 Program \$33

FY 1999 Program \$32

Purpose and Scope

The Debt Payment program continues in name only, as the last of the Capehart and Wherry mortgages were liquidated in FY 1989. This program includes payment of Servicemen's Mortgage Insurance Premiums to FHA for mortgages assumed by active military personnel prior to FY 1980.

Program Summary - Highlights

Request authorization for the appropriation of \$33,000 for FY 2000. No additional budget authority is required for mortgages as noted above.

Servicemen's Mortgage Insurance Premiums

Servicemen's Mortgage Insurance Premiums, Section 124, Public Law 560, 83rd Congress, The Housing Act of 1954, aids in providing homes for members of the Armed Forces of the United States and their families through a system of FHA mortgage insurance, specially designed to assist such members in financing the construction or purchase of homes.

This program was discontinued through Public Law 93-130 (Military Construction Appropriation Act, 1980) which allowed coverage only on existing mortgages covered prior to FY 1980. The amount needed to continue funding premiums on mortgages existing prior to FY 1980 continues to slowly decrease, adjusted for inflation. The program for FY 2000 is as follows:

| <u>Fiscal Year</u> | <u>Number</u> | <u>Average Payment/Yr</u> | <u>Amount (\$000)</u> |
|--------------------|---------------|---------------------------|-----------------------|
| 2000 | 181 | \$182 | \$33 |

DEPARTMENT OF THE AIR FORCE
MILITARY FAMILY HOUSING
FISCAL YEAR 2000 BUDGET REQUEST

Foreign Currency Exchange Data
FY2000 Budget Estimate Submission
(\$ in Thousands)

| Country | Local Currency | FY 1998 | | FY 1999 | | FY 2000 | |
|----------------|----------------|-------------------------|------------------------------|-------------------------|------------------------------|-------------------------|------------------------------|
| | | Approved Exchange Rates | \$ U.S. Requiring Conversion | Approved Exchange Rates | \$ U.S. Requiring Conversion | Approved Exchange Rates | \$ U.S. Requiring Conversion |
| Denmark | Krone | 6.868 | \$92 | 7.324 | \$96 | 6.5115 | \$109 |
| France | Franc | 6.076 | \$120 | 6.452 | \$110 | 5.7430 | \$101 |
| Germany | D Mark | 1.807 | \$60,253 | 1.928 | \$53,402 | 1.7125 | \$56,458 |
| Italy | Lira | 1,759,000 | \$11,824 | 1,888,189 | \$12,027 | 1,695,000 | \$16,902 |
| Japan | Yen | 121.170 | \$72,667 | 140.590 | \$49,472 | 123.0500 | \$44,166 |
| Norway | Krone | 7.418 | \$91 | 7.805 | \$136 | 7.5653 | \$99 |
| Portugal | Escudo | 183.250 | \$1,036 | 196.773 | \$1,018 | 175.6100 | \$1,154 |
| Singapore | Dollar | 1.503 | \$4,625 | 1.739 | \$3,714 | 1.6490 | \$3,599 |
| South Korea | Won | 907.600 | \$4,422 | 1,446,750 | \$2,634 | 1,242.5000 | \$3,413 |
| Spain | Peseta | 152.330 | \$106 | 162.738 | \$94 | 145.6500 | \$205 |
| United Kingdom | Pound | 0.632 | \$40,371 | 0.667 | \$31,338 | 0.6045 | \$38,889 |
| Total | | | \$195,607 | | \$154,041 | | \$165,095 |

Analysis of changes in foreign currency requirements

Purchases in Italy and the United Kingdom will increase as a result of the Aviano/Lakenheath build-lease initiative which will provide new homes for over 1000 families. Conversion of these purchases from local currency to dollars is under consideration. Purchases in foreign currencies will decline as purchases of goods use dollars instead of foreign currency, to preserve stability of buying power.

In 1998 the Air Force experienced greater than normal inflation rates in declining foreign currency markets, particularly in Asia. As foreign currencies declined relative to the U.S. dollar, local vendors escalated their prices in an effort to stabilize their business environment. Thus the net result of a "favorable" foreign currency shift was often unfavorable.