# AIR NATIONAL GUARD Fiscal Year (FY) 2017 BUDGET ESTIMATES



# MILITARY CONSTRUCTION APPROPRIATION 3830 PROGRAM YEAR 2017

Justification Data Submitted to Congress

February 2016

#### DEPARTMENT OF THE AIR FORCE AIR NATIONAL GUARD MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2017

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#### SUMMARY PROJECT LIST AIR NATIONAL GUARD MILITARY CONSTRUCTION PROGRAM -- FY 2017

| STATE          | INSTALLATION AND PROJECT  | AUTH<br>AMOUNT<br>(\$000)                | APPN<br>AMOUNT<br>(\$000)                | PAGE NO.       |
|----------------|---|--|--|----------------|
|                |   |  |  |                |
| CONNECTICUT    | Bradley International Airport<br>Construct Small Air Terminal   | <u>6,300</u><br><b>6,300</b>             | <u>6,300</u><br><b>6,300</b>             | II-1           |
| FLORIDA        | Jacksonville International Airport<br>Replace Fire Crash/Rescue Station   | <u>9,000</u><br>9,000                    | <u>9,000</u><br>9,000                    | Ш-б            |
| HAWAII         | <b>Joint Base Pearl Harbor - Hickam</b><br>F-22 Composite Repair Facility   | <u>11,000</u><br><b>11,000</b>           | <u>11,000</u><br><b>11,000</b>           | II-11          |
| IOWA           | Sioux Gateway Airport/Col Bud Day Field<br>Construct Consolidate Support Functions  | <u>12,600</u><br><b>12,600</b>           | <u>12,600</u><br><b>12,600</b>           | II-16          |
| MINNESOTA      | Duluth International Airport<br>Load Crew Training/Weapon Shops   | <u>7,600</u><br>7,600                    | <u>7,600</u><br>7,600                    | II-21          |
| NEW HAMPSHIRE  | <b>Pease International Tradeport ANG</b><br>KC-46A Install Fuselage Trainer Bldg 251  | <u>1,500</u><br>1,500                    | <u>1,500</u><br>1,500                    | П-26           |
| NORTH CAROLINA | <b>Charlotte/Douglas International Airport</b><br>C-17 Corrosion Control/Fuel Cell Hangar<br>C-17 Type III Hydrant Refueling System | <u>29,600</u><br>21,000<br><b>50,600</b> | <u>29,600</u><br>21,000<br><b>50,600</b> | II-31<br>II-36 |
| SOUTH CAROLINA | <b>McEntire Joint National Guard Base</b><br>Replace Operations and Training Facility   | <u>8,400</u><br>8,400                    | <u>8,400</u><br>8,400                    | П-39           |
| TEXAS          | Ellington Field<br>Consolidate Crew Readiness Facility  | <u>4,500</u><br><b>4,500</b>             | <u>4,500</u><br><b>4,500</b>             | II-44          |
| VERMONT        | <b>Burlington International Airport</b><br>F-35 Beddown 4- Bay Flight Simulator   | <u>4,500</u><br><b>4,500</b>             | <u>4,500</u><br><b>4,500</b>             | II-49          |
|                | SUB-TOTAL MAJOR CONSTRUCTION  | <u>116,000</u>                           | <u>116,000</u>                           |                |
|                | PLANNING AND DESIGN   |  | 10,462                                   | 11-55          |
|                | UNSPECIFIED MINOR CONSTRUCTION  |  | 17,495                                   | II-59          |
|                | SUB - TOTAL SUPPORT COSTS   | -  | <u>27,957</u>                            |                |
|                | GRAND TOTAL - FY 2017 REQUEST   | 116,000                                  | 143,957                                  |                |

### NEW MISSION/CURRENT MISSION EXHIBIT AIR NATIONAL GUARD MILITARY CONSTRUCTION PROGRAM -- FY 2017

| LOCATION                                       | PROJECT   | COST<br>(\$000)            | CURRENT/<br>NEW/ENV |
|--|---|----------------------------|---------------------|
| Bradley International Airport,<br>CT           | Construct Small Air Terminal  | 6,300                      | Ν                   |
| Jacksonville International<br>Airport, FL      | Replace Fire Crash/Rescue Station   | 9,000                      | С                   |
| Joint Base Pearl Harbor -<br>Hickam, HI        | F-22 Composite Repair Facility  | 11,000                     | С                   |
| Sioux Gateway Airport/Col<br>Bud Day Field, IA | Construct Consolidate Support Functions   | 12,600                     | С                   |
| Duluth International Airport,<br>MN            | Load Crew Training/Weapon Shops   | 7,600                      | С                   |
| Pease International Tradeport<br>ANG, NH       | KC-46A Install Fuselage Trainer Bldg 251  | 1,500                      | Ν                   |
| Charlotte/Douglas<br>International Airport, NC | C-17 Corrosion Control/Fuel Cell Hangar   | 29,600                     | Ν                   |
| Charlotte/Douglas<br>International Airport, NC | C-17 Type III Hydrant Refueling System  | 21,000                     | Ν                   |
| McEntire Joint National<br>Guard Base, SC      | Replace Operations and Training Facility  | 8,400                      | С                   |
| Ellington Field, TX                            | Consolidate Crew Readiness Facility   | 4,500                      | С                   |
| Burlington International<br>Airport, VT        | F-35 Beddown 4- Bay Flight Simulator  | 4,500                      | Ν                   |
|  | PLANNING AND DESIGN   | 10,462                     |                     |
|  | UNSPECIFIED MINOR CONSTRUCTION  | 17,495                     |                     |
|  | TOTAL ENERGY<br>TOTAL ENVIRONMENTAL<br>TOTAL NEW MISSION (5)<br>TOTAL CURRENT MISSION (6) | 0<br>0<br>62,900<br>53,100 |                     |
|  | GRAND TOTAL - FY 2017 REQUEST   | 143,957                    |                     |

# DEPARTMENT OF THE AIR FORCE AIR NATIONAL GUARD MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2017

# **SECTION I**

# **APPROPRIATIONS LANGUAGE**

For construction, acquisition, expansion, rehabilitation, and conversion of facilities for the training and administration of the Air National Guard, and contributions therefor, as currently authorized by law, \$143,957,000 to remain available until September 30, 2021.

# SPECIAL PROGRAM CONSIDERATIONS

# **Environmental Compliance**

The environmental compliance projects proposed in this program are necessary to correct current environmental noncompliance situations and to prevent future noncompliance.

### **Flood Plain Management and Wetland Protection**

Proposed land acquisitions, disposals, and installation construction projects have been planned in accordance with the requirements of Executive Orders 11988, Flood Plain Management, and 11900, Protection of Wetlands. Projects have been sited to avoid long and short-term adverse impacts, reduce the risk of flood losses, and minimize the loss, or degradation of wetlands.

#### **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.

### **Preservation of Historical Sites and Structures**

Facilities included in this program do not directly or indirectly affect a district, site, building, structure, object, or setting listed in the National Register of Historic Places, except as noted on the DD Forms 1391.

#### **Environmental Protection**

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

#### **Economic Analysis**

Economics are an inherent aspect of project development and design of military construction projects. Therefore, all projects included in this program represent the most economical use of resources.

# SPECIAL PROGRAM CONSIDERATIONS (continued)

#### **Reserve Manpower Potential**

The reserve manpower potential to meet and maintain authorized strengths of all reserve flying/non-flying units in those areas in which these facilities are to be located has been reviewed. It has been determined, in coordination with all other Services having reserve flying/non-flying units in these areas, that the number of units of the reserve components of the Armed Forces presently located in those areas, and those which have been allocated to the areas for future activation, is not and will not be larger than the number that reasonably can be expected to be maintained at authorized strength considering the number of persons living in the areas who are qualified for membership in those reserve units.

#### **Construction Criteria Manual**

Unless otherwise noted, the projects comply with the scope and design criteria prescribed in the Unified Facilities Criteria (UFC).

| 1. COMPONENT                              |   |                                      |                        | 2. DATE                         |
|---|---|--------------------------------------|------------------------|---------------------------------|
| ANG                                       | FY 2017 (<br>MILITA   | GUARD AND RESERVE                    |                        | February 2016                   |
| 3. INSTALLATION A                         | ND LOCATION   |                                      |                        | 4. AREA CONSTR                  |
| BRADLEY INTERNA                           |   | 1.19                                 |                        |                                 |
| 5. FREQUENCY AN<br>Four unit training ass | D TYPE OF UTILIZATION<br>emblies per month, 15 days annual            | l field training per year, daily use | by technician/AGR f    | orce and for training.          |
| 6. OTHER ACTIVE                           | GUARD/RESERVE INSTALLATION  | IS WITHIN 15 MILES RADIUS            |                        |                                 |
|   |   |                                      |                        |                                 |
| 7. PROJECTS REQ                           | UESTED IN THIS PROGRAM  |                                      |                        |                                 |
| CATEGORY<br><u>CODE</u>                   | PROJECT TITLE   | SCOPE                                | COST<br><u>\$(000)</u> | DESIGN STATUS<br>START COMPLETE |
| 141-783 Constru                           | uct Small Air Terminal  | 1,477 SMI (15,900 SF)                | 6,300                  | NOV 14 May 16                   |
|   |   |                                      |                        |                                 |
|   |   |                                      |                        |                                 |
|   |   |                                      |                        |                                 |
|   |   |                                      |                        |                                 |
| 8. STATE RESERVI<br>The Board recommend   | E FORCES FACILITIES BOARD RI<br>ndations are: Unilateral Construction | ECOMMENDATION<br>on Approved         | <u>02 A</u><br>(Da     | <u>pr 15</u><br>ate)            |
| 9. LAND ACQUISIT                          | ON REQUIRED   |                                      |                        | None                            |
|   |   |                                      | (Number                | of Acres)                       |
| 10. PROJECTS PLA<br>CATEGORY              | NNED IN NEXT FOUR YEARS   |                                      |                        | COST                            |
| <u>CODE</u>                               | PROJECT TITLE   |                                      | <u>SCOPE</u>           | <u>\$(000)</u>                  |
| Unfund                                    | ded R&M Requirement = \$21.849.0                                      | 00                                   |                        |                                 |
|   |   |                                      |                        |                                 |
|   |   |                                      |                        |                                 |
|   |   |                                      |                        |                                 |
|   |   |                                      |                        |                                 |
|   |   |                                      |                        |                                 |

| 1. COMPONENT<br>ANG               | FY 2017 GUARD AND RESERVE<br>MILITARY CONSTRUCTION |           |                 |                 |                      | 2. DATE<br>February 2016 |
|-----------------------------------|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| 3. INSTALLATION A                 | ND LOCATION  |           |                 |                 |                      |                          |
| BRADLEY INTERNA                   | TIONAL AIRPORT, EAS                                | ST GRANBY | ,               |                 |                      |                          |
| 11. PERSONNEL ST                  | RENGTH AS OF 01 Ma                                 | y 14      |                 |                 |                      |                          |
|                                   |  | PERMAN    | IENT            |                 | GUARD/I              | RESERVE                  |
|                                   | <u>TOTAL</u> O                                     | FFICER    | <u>ENLISTED</u> | <u>CIVILIAN</u> | <u>TOTAL</u> OF      | FICER ENLISTED           |
| AUTHORIZED                        | 276  | 7         | 67              | 202             | 976                  | 121 855                  |
| ACTUAL                            | 269  | 8         | 62              | 199             | 921                  | 102 819                  |
| 12. RESERVE UNIT                  | DATA   |           |                 |                 |                      |                          |
|                                   |  |           |                 |                 | ST                   | IRENGTH                  |
| <u>UNIT DESI</u><br>103 Airlift V | <u>GNATION</u><br>Ving                             |           |                 |                 | AUTHORIZED<br>41     | ACTUAL<br>47             |
| 103 Civil Ei                      | ngineering Squadron                                |           |                 |                 | 91                   | 102                      |
| 103 Comm<br>103 Compt             | unication Flight roller Flight                     |           |                 |                 | 31<br>12             | 30<br>15                 |
| 103 Force                         | Support Squadron                                   |           |                 |                 | 46                   | 44                       |
| 103 Logisti<br>103 Medica         | al Group   |           |                 |                 | 51                   | 55                       |
| 103 Mainte                        | nance Operations Flight                            |           |                 |                 | 27                   | 18                       |
| 103 Mainte                        | nance Flight                                       |           |                 |                 | 57                   | 45                       |
| 103 Mainte<br>103 Mainte          | nance Group  |           |                 |                 | 15<br>228            | 10<br>155                |
| 103 Operat                        | tions Group  |           |                 |                 | 8                    | 6                        |
| 103 Operat<br>103 Securit         | tions Support Flight                               |           |                 |                 | 46<br>74             | 38<br>70                 |
| 103 Studer                        | nt Flight  |           |                 |                 | 18                   | 117                      |
| 118 Airlift S                     | Squadron   | тот       | ALS             |                 | <u>    99</u><br>976 | <u>51</u><br>921         |
|                                   |  |           |                 |                 |                      |                          |
| 13. MAJOR EQUIPM                  | IENT AND AIRCRAFT                                  |           |                 |                 |                      |                          |
| I                                 | YPE  |           |                 |                 | AUTHORIZED           | ACTUAL                   |
| Support Equipment<br>Refuelers    |  |           |                 |                 | 190<br>3             | 145<br>3                 |
| Vehicle Equivalents               |  |           |                 |                 | 265                  | 265                      |
| Vehicles<br>C-130                 |  |           |                 |                 | 104<br>8             | 94<br>8                  |
| 0.00                              |  |           |                 |                 | C C                  | C C                      |
|                                   |  |           |                 |                 |                      |                          |
|                                   |  |           |                 |                 |                      |                          |
|                                   |  |           |                 |                 |                      |                          |
|                                   |  |           |                 |                 |                      |                          |
|                                   |  |           |                 |                 |                      |                          |
|                                   |  |           |                 |                 |                      |                          |
|                                   |  |           |                 |                 |                      |                          |
|                                   |  |           |                 |                 |                      |                          |
|                                   |  |           |                 |                 |                      |                          |
|                                   |  |           |                 |                 |                      |                          |
|                                   |  |           |                 |                 |                      |                          |
|                                   |  |           |                 |                 |                      |                          |

| 1. COMPONENT  |                          | FY 2017 MILITARY CO        | NSTRUCTI     | ON PR                        | OJECT DA     | TA                     | 2.          | DATE                |
|---|--------------------------|----------------------------|--------------|------------------------------|--------------|------------------------|-------------|---------------------|
| ANG   | ANG (computer generated) |                            |              |                              |              |                        | oruary 2016 |                     |
| 3. INSTALLATION   | AND                      | LOCATION                   |              | 4. I                         | PROJECT      | FITLE                  | 100         | Juary 2010          |
| BRADI EV INTERN   |                          | NAL AIRPORT CONNE          | TICUT        | CONS                         | TRUCT SN     |                        |             | PMINAI              |
| 5. PROGRAM ELEM   | ENT                      | 6. CATEGORY CODE           | 7. PROJEC    | T NUN                        | ABER         | 8. PRO                 | JECT        | COST(\$000)         |
| 54332F  |                          | 141-783                    | CEI          | CT1390                       | 42           |                        | \$6.        | 300                 |
| 0.0021  |                          | 9. COST                    | ESTIMATE     |                              |              |                        | φ0,         |                     |
|   |                          | 2.0051                     | 2.51111111   |                              |              | UN                     | IT          | COST                |
|   |                          | ITEM                       |              | U/M                          | QUANTIT      | Y CO                   | ST          | (\$000)             |
| CONSTRUCT SMAI  | LL AI                    | R TERMINAL $(1/1783)$      |              | SM<br>SM                     | 1,477        | 3                      | 227         | 5,067               |
| DEPLOYMENT P  | ROCE                     | ESSING (141786)            |              | SM                           | 251          | 3                      | .886        | ( 4,091)            |
| SUPPORTING FACI   | LITIE                    | ES                         |              |                              |              |                        | ,           | 438                 |
| PAVEMENTS AN  | D UT                     | ILITIES                    |              | LS                           |              |                        |             | ( 361)              |
| COMMUNICATIO  | DNS S                    | UPPORT                     |              | LS                           |              |                        |             | (77)                |
| SUBTOTAL  | IAIN                     | ABILITY MEASURES           |              | LS                           |              |                        |             | <u>155</u><br>5 660 |
| CONTINGENCY (59   | %)                       |                            |              |                              |              |                        |             | 283                 |
| TOTAL CONTRACT  | Г COS                    | T                          |              |                              |              |                        |             | 5,943               |
| SUPERVISION, INS  | PECT                     | TION AND OVERHEAD (        | 6%)          |                              |              |                        |             | 356                 |
| TOTAL REQUEST   | ROUI                     |                            |              |                              |              |                        |             | 6,299<br>6 300      |
|   | 10001                    |                            |              |                              |              |                        |             | 0,500               |
| 10. Description of  | Propo                    | sed Construction: Cons     | truct a Sma  | ıll Air '                    | Terminal/    | Deployn                | nent I      | Processing          |
| Center utilizing conv   | ventic                   | onal design and construc   | tion metho   | ls. Fac                      | cilities wil | l be desi              | gned        | as                  |
| permanent construct   | ion ir                   | accordance with the Do     | D Unified    | Facilit                      | ies Criteri  | a (UFC)                | 1-20        | 0-01,               |
| General Building Re   | facili                   | ty will be compatible w    | 12, High Pe  | riorma                       | nce and $S$  | ustainab               | le Bu       | llaing              |
| standards In addition   | $\frac{1}{10}$           | cal materials and constru  | iction tech  | ne Doi                       | shall be us  | ed when                | e cos       | t effective         |
| This project will con   | nply v                   | with DoD antiterrorism/    | force protec | ction re                     | quiremen     | ts per ur              | ified       | facilities          |
| criteria. Provide for   | open                     | floor plan. Passive force  | e protectio  | n meth                       | ods as req   | uired.                 |             |                     |
| Air Conditioning: 11  | 19 KV                    | V.                         |              |                              |              |                        |             |                     |
| 11. REQUIREMEN  | NT: 1                    | ,477 SM ADEQUATI           | E: 0 SM      | SUBS                         | [ANDAR]      | D: 0 SN                | 1           |                     |
| PROJECT: Constru  | ict Sr                   | nall Air Terminal (New     | Mission).    | inad an                      | d managed    | antin                  | unad (      | Small Ain           |
| <u>REQUIREMENT</u> :<br>Terminal and Denic  | The I                    | t Processing facility in a | support of S | $2 \mathbf{P} \Delta \Delta$ | C-130 air    | y coning<br>craft - Fi | ureu a      | Siliali Alf         |
| include: training and   | d nall                   | et-buildun denlovment      | nrocessing   | areas                        | nersonnel    | holding                | areas       | s aircraft fire     |
| fighting systems sto  | rage                     | areas, office and storage  | e spaces loc | kers a                       | nd latrines  |                        | ureu        | , unorun mo         |
| CURRENT SITUA   | TION                     | I: Through Total Force     | Integration  | (TFI)                        | initiatives, | , the bas              | e was       | assigned the        |
| C-21 as a bridge mi   | ssion                    | to the C-130 aircraft aft  | er the prior | A-10                         | mission w    | as remov               | ved u       | nder BRAC           |
| 2005. Under the A-  | -10 m                    | ission a small air termin  | al and depl  | oymen                        | t processii  | ng facili              | ty wa       | s not               |
| required, so none is available. The south end of the aircraft parking apron has an area that has  |                          |                            |              |                              |              |                        |             |                     |
| sufficient space to support the construction of a new small air terminal complex.   |                          |                            |              |                              |              |                        |             |                     |
| <u>INFACT IF NOT PROVIDED</u> : The unit will not have a facility in which to perform small air terminal or deployment processing activities. The unit will be unable to train on cargo handling functions, which |                          |                            |              |                              |              |                        |             |                     |
| are fundamental to C-130 operations. Without the proper training pallets and the cargo may be   |                          |                            |              |                              | av be        |                        |             |                     |
| damaged during operations. Without the proper and safe handling, the cargo could shift and damage   |                          |                            |              |                              | nd damage    |                        |             |                     |
| the aircraft interiors. Technical orders will be violated. Safety measures will be compromised. Unit  |                          |                            |              |                              | nised. Unit  |                        |             |                     |
| would be hindered i   | n dep                    | loyment and would like     | ly be unabl  | e to att                     | ain or mai   | ntain m                | ission      | operational         |
| status.   | -                        |                            | ~            |                              |              |                        | • ~ ~       |                     |
| ADDITIONAL: Su  | istain:                  | able principles, to includ | le Life Cyc  | le cost                      | effective j  | practices              | s, will     | be integrated       |
| into the design, dev  | elopn                    | nent and construction of   | the project  | in acc                       | ordance w    | ith Exec               | utive       | Order 13423,        |

| 1. COMPONENT  | 2. DATE          |
|---|------------------|
| FY 2017 MILITARY CONSTRUCTION PROJECT DATA  | E.L. 2016        |
| ANG (computer generated)  | February 2016    |
|   |                  |
| BRADLEY INTERNATIONAL AIRPORT, CONNECTICUT  |                  |
| 5. PROJECT TITLE 7. PROJE   | CT NUMBER        |
| CONSTRUCT SMALL AIR TERMINAL  | EKT139042        |
| 10 USC 2802(c) and other applicable laws and Executive Orders. An economic analys         | is has been      |
| prepared comparing the alternatives of new construction, revitalization, leasing and star | tus quo          |
| operation. Based on the net present values and benefits of the respective alternatives, n | new construction |
| was found to be the cost efficient over the life of the project.                          |                  |
|   |                  |
| CatCode Requirement Adequate  | Substandard      |
| 141-783SMALL AIR TERMINAL1,226 SM0 SM   | 0 SM             |
| 141-786DEPLOYMENT PROCESSING FACILITY251 SM0 SM   | 0 SM             |
|   |                  |
| SMALL AIR TERMINAL (141783) 1 226 SM = 13 200 SF  |                  |
| DEPLOYMENT PROCESSING (141786) $251 \text{ SM} = 2,700 \text{ SF}$                        |                  |
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| 1. COMPONENT         FY 2017 MILITARY CONSTRUCTION PROJECT DATA         2. DA |                               |  |                    |               |  |
|---|-------------------------------|--|--------------------|---------------|--|
|   |                               | (computer generated)   |                    |               |  |
| 2 D   | ANG                           |  |                    | February 2016 |  |
| 3. IP<br>BRA  | NSTALLATION .<br>DI EV INTERN | AND LOCATION<br>ATIONAL AIRPORT CONNECTICUT  |                    |               |  |
| DIAA  |                               | ATIONAL AIM ONT, CONNECTICUT   |                    |               |  |
| 5. PR   | ROJECT TITLE                  |  | 7. PROJE           | ECT NUMBER    |  |
| CON   | STRUCT SMAL                   | L AIR TERMINAL   |                    |               |  |
|   |                               |  | C                  | EKT139042     |  |
|   |                               |  |                    |               |  |
| 12.   | SUPPLEMENT                    | AL DATA:   |                    |               |  |
| а   | Estimated Desig               | n Data.  |                    |               |  |
| u.  | Lotinated Desig               |  |                    |               |  |
|   | (1) Status:                   |  |                    |               |  |
|   | (a) Date D                    | besign Started   |                    | NOV 2014      |  |
|   | (b) Parame                    | etric Cost Estimates used to develop costs   |                    | No            |  |
|   | (c) Percent                   | Complete as of Jan 2016  |                    | 65%           |  |
|   | * (d) Date 3:                 | 5% Designed  |                    | SEP 2015      |  |
|   | (e) Date D                    | esign Complete   |                    | MAY 2016      |  |
|   | (I) Type of                   | Studey(Life Could analyzia mag/mill he newformed   |                    | Na            |  |
|   | (g) Energy                    | Study/Life-Cycle analysis was/will be performed  |                    | INO           |  |
|   | (2) Basis:                    |  |                    |               |  |
|   | (a) Standar                   | d or Definitive Design -   |                    | No            |  |
|   | (b) Where                     | Design Was Most Recently Used -  |                    |               |  |
|   |                               |  |                    | (\$200)       |  |
|   | (3) Total Cost (              | c) = (a) + (b)  or  (d) + (e):   |                    | (\$000)       |  |
|   | (a) Produc                    | tion of Plans and Specifications   |                    | 521           |  |
|   | (b) All Otr                   | er Design Costs  |                    | 0<br>521      |  |
|   | (c) Total                     | at   |                    | 521<br>521    |  |
|   | (a) Lonita<br>(a) In Hou      |  |                    | 321           |  |
|   | (c) m-nou                     |  |                    |               |  |
|   | (4) Contract Av               | ward (Month/Year)  |                    | DEC 2016      |  |
|   | (5) Constructio               | n Start  |                    | MAR 2017      |  |
|   | (6) Constructio               | n Completion   |                    | OCT 2018      |  |
|   | (0) Constructio               | n Completion   |                    | 0C1 2018      |  |
|   | * Indicates<br>is comparal    | completion of Project Definition with Parametric Cost Estimate<br>ble to traditional 35% design to ensure valid scope and cost and | which<br>executabi | lity.         |  |
|   | Ĩ                             |  |                    | 5             |  |
| b.  | Equipment assoc               | iated with this project will be provided from other appropriation  | 18:                | N/A           |  |
|   |                               |  |                    |               |  |
|   |                               |  |                    |               |  |
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|   |                               |  |                    |               |  |
|   |                               |  |                    |               |  |
| PO  | INT OF CONTA                  | CT: NGB/A7AD   |                    |               |  |
|   |                               | (240) 612-7042   |                    |               |  |
|   |                               |  |                    |               |  |

| 1. COMPONENT                             | EV (  |  |                        | 2. DATE        |  |
|--|---|--|------------------------|----------------|--|
| ANG                                      | FY 2<br>M   |  | February 2016          |                |  |
| 3. INSTALLATION A                        | ND LOCATION   |  |                        | 4. AREA CONSTR |  |
| JACKSONVILLE INT                         |   | .89                                      |                        |                |  |
| 5. FREQUENCY AN<br>Four Unit Training As | D TYPE OF UTILIZATION semblies (UTA) per month,         | 15 annual field training days per year.  | Daily use of technicia | n force.       |  |
|  |   |  |                        |                |  |
|  |   |  |                        |                |  |
|  |   |  |                        |                |  |
| None                                     | JUARD/RESERVE INSTALL                                   | LATIONS WITHIN 15 MILES RADIUS           |                        |                |  |
|  |   |  |                        |                |  |
|  |   |  |                        |                |  |
|  |   |  |                        |                |  |
| 7. PROJECTS REQ<br>CATEGORY              | UESTED IN THIS PROGRAM                                  | M  | COST [                 | DESIGN STATUS  |  |
| CODE                                     | PROJECT TITLE   | SCOPE                                    | <u>\$(000)</u>         | TART COMPLETE  |  |
| 130-142 Replac                           | e Fire Crash/Rescue Station                             | 1,617 SM (17,400 SF)                     | 9,000 A                | Aug 15 Aug 16  |  |
|  |   |  |                        |                |  |
|  |   |  |                        |                |  |
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|  |   |  |                        |                |  |
|  |   |  |                        |                |  |
|  |   |  |                        |                |  |
| 8. STATE RESERVE<br>The Board recomme    | E FORCES FACILITIES BOA<br>ndations are: Unilateral Con | ARD RECOMMENDATION<br>struction Approved | <u>30 Ar</u>           | or 15          |  |
|  |   |  | (Da                    | ite)           |  |
| 9 LAND ACQUISIT                          |   |  | 1                      | None           |  |
|  |   |  | (Number                | of Acres)      |  |
| 10. PROJECTS PLA<br>CATEGORY             | NNED IN NEXT FOUR YEA                                   | RS                                       |                        | COST           |  |
| CODE                                     | PROJECT TITLE   |  | SCOPE                  | <u>\$(000)</u> |  |
| L la ferra                               |   | 007.000                                  |                        |                |  |
| Unfund                                   | ded R&M Requirement: \$25,                              | 667,000                                  |                        |                |  |
|  |   |  |                        |                |  |
|  |   |  |                        |                |  |
|  |   |  |                        |                |  |
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|  |   |  |                        |                |  |
|  |   |  |                        |                |  |
|  |   |  |                        |                |  |

| 1. COMPONENT<br>ANG   | FY 2017 GUARD AND RESERVE<br>MILITARY CONSTRUCTION  |                |          |                 |   | 2. DATE<br>February 2016   |
|---|---|----------------|----------|-----------------|---|--|
| 3. INSTALLATION A   | ND LOCATION   |                |          |                 |   |  |
| JACKSONVILLE INT  | ERNATIONAL AIRPOR   | RT, JACKSC     | NVILLE   |                 |   |  |
| 11. PERSONNEL S   | TRENGTH AS OF 27 M  | lay 15         |          |                 |   |  |
|   |   | PERMA          | NENT     |                 | GUARD/I   | RESERVE  |
|   | TOTAL   | <u>OFFICER</u> | ENLISTED | <u>CIVILIAN</u> | TOTAL OF  | FICER ENLISTED   |
| AUTHORIZED  | 396   | 37             | 357      | 2               | 636   | 89 547   |
| ACTUAL  | 359   | 37             | 320      | 2               | 662   | 83 579   |
| 12. RESERVE UNIT  | DATA  |                |          |                 |   |  |
| UNIT DES<br>125 AMS<br>125 Civil E<br>125 Comm<br>125 CPRT<br>125 Detacl<br>125 Force<br>125 Fighte<br>125 Medic<br>125 Missio<br>125 Missio<br>125 Missio<br>125 Miste<br>125 Opera<br>125 Opera<br>125 Securi<br>125 Studer<br>159 Fighte | IGNATION<br>ngineering Squadron<br>nunication Flight<br>hment 1<br>Support Squadron<br>r Wing<br>ics Readiness Squadro<br>al Group<br>n Support Group<br>enance Group<br>tions Group<br>tions Support Flight<br>ty Forces Squadron<br>nt Flight<br>r Squadron | n<br>TOT       | ALS      |                 | ST<br>AUTHORIZED<br>168<br>51<br>31<br>16<br>28<br>38<br>53<br>76<br>108<br>9<br>20<br>25<br>226<br>14<br>32<br>74<br>34<br>29<br>1,032 | ACTUAL         152         51         30         16         27         41         54         69         90         8         20         27         226         8         31         59         83         29         1,021 |
| C-26 Aircraft<br>F-15 Aircraft<br>Support Equipment<br>Vehicle Equivalents  | <u>IYPE</u>   |                |          |                 | AUTHORIZED<br>1<br>18<br>107<br>218   | ACTUAL<br>1<br>21<br>95<br>218   |

| ANG         (computer generated)         February 2016           3. INSTALLATION AND LOCATION         4. PROJECT TITLE<br>REPLACE FIRE CRASH/RESCUE           JACKSONVILLE INTERNATIONAL AIRPORT, FLORIDA         STATION           5. PROGRAM ELEMENT         6. CATEGORY CODE         7. PROJECT NUMBER         8. PROJECT COST(S000)           52276F         130-142         1.SGA019179         \$9,000           Support to the second s   | 1. COMPONENT   | 1. COMPONENT     FY 2017 MILITARY CONSTRUCTION PROJECT DATA     2. DATE                             |  |          |              |             |               | DATE            |
|---|--|---|--|----------|--------------|-------------|---------------|-----------------|
| 3. INSTALLATION AND LOCATION       4. PROJECT TITLE         JACKSONVILLE INTERNATIONAL AIRPORT, FLORIDA       STATION         JACKSONVILLE INTERNATIONAL AIRPORT, FLORIDA       STATION         5. PROGRAM ELEMENT       6. CATEGORY CODE       7. PROJECT TULKE         S2276F       130-142       LSGA019179       S9.000         5. PROGRAM ELEMENT       6. CATEGORY CODE       7. PROJECT NUMBER       8. PROJECT COST (\$000)         S2276F       130-142       LSGA019179       S9.000         9. COST ESTIMATES         FTEM       UM       QUANTITY       COST       (\$000)         FTEM       UM       QUANTITY       COST       (\$000)         STATION AREA       SM       1.617       3.423       2.389         SUPPORTING FACILITIES       LS       (\$000)       2.889         CONTINCENCY (\$%)       TOTAL       (\$15       (\$220)         CONTINCENCY (\$%)       TOTAL       \$15       (\$220)       2.389       \$371         CONTINCENCY (\$%)       TOTAL CONTRACT COST       \$15       (\$220)       2.381       \$4.943       \$371       \$3.423       \$2.844       \$3971       \$371       \$3704       \$3.444       \$15  | (computer generated)   |   |  |          |              |             | 2016          |                 |
| BEPLACE FIRE CRASH/RESCUE         JACKSONVILLE INTERNATIONAL AIRPORT, FLORIDA       REPLACE FIRE CRASH/RESCUE         S. PROGRAM ELEMENT       6. CATEGORY CODE       7. PROJECT NUMBER       8. PROJECT COST(5000)         5.2276F       130-142       LSGA019179       S9.000         9. COST ESTIMATES       9.000       COST       (5.335)         9. COST ESTIMATES       SM       1.617       3.423       (5.535)         9. CONTRG FACILITIES       SM       1.617       3.423       (5.535)         9. COMMUNCATION SUPPORT       LS       (6.988)       (1.617       3.423       (5.535)         9. COMMUNCATIONS SUPPORT       LS       (1.617       3.423       (5.535)         9. COMMUNCATIONS SUPPORT       LS       (2.20)       DRAINAGE CONTROI.       LS       (2.20)         DRAINAGE CONTROI.       LS       (3.77)       SUSTAINABULTY AND ENERGY MEASURES       LS       (3.97)       (3.97)       (3.97)       (3.97)         OUTAL CONTRACT COST       SUSTAINABULTY AND ENERGY MEASURES       LS       (3.97)       (3.97)       (3.97)       (3.97)       (3.97)       (3.97)       (3.97)       (3.97)       (3.97)       (3.97)       (3.97)       (3.97)       (3.97)       (3.97)       (3.97)       (3.97) <t< td=""><td>3. INSTALLATION AND</td><td>LOCATION</td><td></td><td>4. F</td><td>PROJECT</td><td>TITLE</td><td>ret</td><td>51uary 2010</td></t<>  | 3. INSTALLATION AND  | LOCATION  |  | 4. F     | PROJECT      | TITLE       | ret           | 51uary 2010     |
| JACKSONVILLE INTERNATIONAL AIRPORT, FLORIDA       STATION         5. PROGRAM ELEMENT       6. CATEGORY CODE       7. PROJECT NUMBER       8. PROJECT COST (\$000)         52276F       130-142       I.SGA019179       \$9,000         9. COST ESTIMATES       UNT       COST       (\$000)         REPLACE FIRE STATION       SM       1.617       3,423       5,535         FIRE STATION AREA       SM       1.617       3,423       5,535         SUPPORTING FACILITIES       I.S       (\$ 535)       (\$ 543)         UTILITIES       I.S       (\$ 220)         DRAINAGE CONTROL       I.S       (\$ 217)         SUSTAINABLITY AND ENERGY MEASURES       I.S       (\$ 217)         SUSTAINABLITY AND ENERGY MEASURES       I.S       (\$ 464         SUPRAVISION, INSPECTION AND OVERHEAD (6%)  |  |   |  | REPL     | ACE FIRE     | CRASH/I     | RESC          | CUE             |
| S. PROURAM ELEMENT       6. CATEGORY CODE       7. PROJECT NUMBER       S. PROJECT COST (\$000)         52276F       130-142       LSGA019179       \$9,000         9. COST ESTIMATES       U/M       QUANTITY       COST       (\$000)         REPLACE FIRE STATION AREA       SM       1.617       3.423       (\$5,335         SUPPORTING FACILITIES       LS       (\$357)       2.389       (\$357)         PAVEMENTS       LS       (\$357)       (\$450)       (\$450)       (\$450)         SITE IMPROVEMENTS       LS       (\$275)       (\$277)       (\$276)       (\$275)       (\$275   | JACKSONVILLE INTERN  | ATIONAL AIRPORT, FL   | ORIDA  | STAT     | ON           |             | FOT           |                 |
| 52276F     130-142     LSGA019179     \$9,000       9. COST ESTIMATES       UMIT     COST       TIEM     UMIT     COST       COST     STIMATES       ITEM     UMIT     COST       REPLACE FIRE STATION AREA     SM     1.617     COST       SIM     1.617     5.535       FIRE STATION AREA     SM     1.617     5.535       SIM 1.617     3.423     (5.533)       SIM 1.617     3.423     (5.533)       PAVEMENTS     IS     (3.637)       COMUNICATIONS SUPPORT     IS     (2.20)       DRAINAGE CONTROI.     IS     (2.20)       DRAINAGE CONTROI.     SISTAINABLITY AND ENERGY MEASURES     IS     (2.20)       SUSTAINABLITY AND ENERGY MEASURES     IS     (2.20)       DRAINAGE CONTROI.     SISTAINABLITY AND ENERGY MEASURES     IS     1.37       SUSTAINABLITY AND ENE   | 5. PROGRAM ELEMENT   | 6. CATEGORY CODE  | 7. PROJEC  | INUN     | IBER         | 8. PROJ     | ECI           | COST(\$000)     |
| 9. COST ESTIMATES           ITEM         U/M         QUANITITY         COST         (\$000)           REPLACE FIRE STATION         SM         1.617         5.535           SUPPORTING FACILITIES         SM         1.617         3.423         (5.535)           SUPPORTING FACILITIES         LS         (377)         (5.535)           COMMUNCATIONS SUPPORT         LS         (698)         (575)           PAVEMENTS         LS         (220)         (220)           DRANAGE CONTROL         LS         (377)           OTAL CONTRACT COST         4801         (200)           SUBTOTAL         COST         (200)           CONTRACT COST         (QUENT)         9,000           10.         Description of Proposed Construction: Construct a fire/crash rescue station facility utilizing conventional design and construction in accordance with the DoD Unified Facilities         607  | 52276F   | 130-142   | LSG  | A0191    | 79           |             | \$9,          | 000             |
| ITEMUMQUANTIVCOST(500)REPLACE FIRE STATIONSM1.6173.423(5.535)FIRE STATION AREASM1.6173.423(5.535)SUPPORTNG FACILITIESLSI(3.77)PAVEMENTSLSI(3.87)PAVEMENTSLSI(5.98)SITE IMPROVEMENTSLSI(2.20)DRAINAGE CONTROLLSI(2.20)DRAINAGE CONTROLLSI(2.20)DRAINAGE CONTROLLSI(2.20)OMMUNICATIONS SUPPORTLSI(2.20)DRAINAGE CONTROLLSI(2.20)SUBTOTALSUBTOTALS061403CONTINGENCY (5%)II5.07TOTAL REQUESTII5.07TOTAL REQUEST (ROUNDED)I5.0710. Description of Proposed Construction: Construct a fire/crash rescue station facility utilizing<br>conventional design and construction methods to accommodate the mission of the facilities. Criteria(UFC) I-200-01. General Building Requirements and UFC I-200-02. High Performance and<br>Sustainable Building Requirements. The facility should be compatible with applicable DoD, Air Force,<br>and base design standards. In addition, local materials and construction requirements per<br>  |  | 9. COST   | ESTIMATE   | S        |              |             |               |                 |
| REPLACE FIRE STATION AREA       SM       1.617       COST       (5000)         SUPPORTING FACILITIES       SM       1.617       3.423       (5.535)         SUPPORTING FACILITIES       LS       (3877)       2.389         PAVEMENTS       LS       (3877)         SITE IMPROVEMENTS       LS       (220)         DRAINAGE CONTROL       LS       (220)         DRAINAGE CONTROL       LS       (220)         SUBTOTAL       SUBTOTAL       S061         CONTINGENCY (5%)       403       403         TOTAL CONTRACT COST       8.061       -5.937         TOTAL CONTRACT COST       8.971       -5.907         TOTAL REQUEST (ROUNDED)       8.971       -5.907         10. Description of Proposed Construction: Construct a fire/crash rescue station facility utilizing conventional design and construction methods to accommodate the mission of the facilities. Criteria (UFC) 1-200-01, General Building Requirements and UFC 1-200-02, High Performance and Sustainable Building Requirements. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will comply with DOD antiterrorism/force protection requirements per unified facilities criteria. Special Construction Requirements: Provide all exterior utilities, communications infrastructure, fire protection, backup electrical generator, access pavements and roadway imp  |  | ITEM  |  |          | OUANTE       |             | T             | COST<br>(\$000) |
| FIRE STATION AREASM1.6173,423(5,535)SUPPORTING FACILITIESLS2,389UTILITIESLS(5,535)PAVEMENTSLS(5,535)SITE IMPROVEMENTSLS(5,635)COMMUNICATIONS SUPPORTLS(2,20)DRAINAGE CONTROLLS(2,20)DRAINAGE CONTROLLS(2,20)DRAINAGE CONTROLLS(2,20)TOTAL CONTRACT COSTLS(2,20)TOTAL CONTRACT COST403TOTAL CONTRACT COST  | REPLACE FIRE STATIO  | N   |  | SM       | 1.617        |             | 1             | 5.535           |
| SUPPORTING FACILITIES       LS       2,389         UTILITIES       LS       (357)         PAVEMENTS       LS       (357)         PAVEMENTS       LS       (298)         SITE IMPROVEMENTS       LS       (220)         DRAINAGE CONTROL       LS       (275)         SUBTOTAL       SUBTOTAL       8.061         COMMUNICATIONS SUPPORT       LS       (275)         SUBTOTAL       8.061       (275)         SUBTOTAL       8.061       (200)         CONTRACT COST       SUPERVISION, INSPECTION AND OVERHEAD (6%)       -403         TOTAL REQUEST (ROUNDED)       8.971       9.000         10. Description of Proposed Construction: Construct a fire/crash rescue station facility utilizing conventional design and construction methods to accommodate the mission of the facilitics Criteria       (UFC) 1-200-01, General Building Requirements and UFC 1-200-02, High Performance and Sustainable Building Requirements. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction requirements per unified facilities criteria. Special Construction Requirements: Provide all exterior utilities, communications infrastructure, fire protection, backup electrical generator, access pavements and roadway improvements to Infield Road, Shooting Star Road, and the flight line access road.         Air Conditioning: 210 KW.       11. REQUIREMENT: 1.617 SM ADEQUATE: 0 SM SUBSTANDARD: 814 SM P   | FIRE STATION AREA  |   |  | SM       | 1,617        | 3,4         | 423           | ( 5,535)        |
| UTLITIESLS( 337)PAVEMENTSLS( 988)SITE IMPROVEMENTSLS( 249)COMMUNICATIONS SUPPORTLS( 220)DRAINAGE CONTROLLS( 227)SUSTAINABILITY AND ENERGY MEASURESLS137SUBTOTALS0018,061CONTINGENCY (5%)-403TOTAL CONTRACT COST8,061SUPERVISION, INSPECTION AND OVERHEAD (6%)-507TOTAL REQUEST-597TOTAL REQUEST (ROUNDED)-9,00010. Description of Proposed Construction: Construct a fire/crash rescue station facility utilizing<br>conventional design and construction methods to accommodate the mission of the facilities. Criteria(UFC) 1-200-01, General Building Requirements and UFC 1-200-02, High Performance and<br>Sustainable Building Requirements. The facility should be compatible with applicable DoD, Air Force,<br>and base design standards. In addition, local materials and construction requirements per<br>   | SUPPORTING FACILITIE   | ES  |  |          |              |             |               | 2,389           |
| PAVEMENTS       LS       (988)         SITE IMPROVEMENTS       LS       (220)         DRAINAGE CONTROL       LS       (220)         SUSTAINABLITY AND ENERGY MEASURES       LS       (337)         SUBTOTAL       CONTRACT COST       8,661         CONTINGENCY (5%)       -403       8,661         TOTAL CONTRACT COST       8,971       9,000         10. Description of Proposed Construction: Construct a fire/crash rescue station facility utilizing       conventional design and construction methods to accommodate the mission of the facility. Facilities will be designed as permanent construction in accordance with the DoD Unifed Facilities Criteria       (UFC) 1-200-01, General Building Requirements and UFC 1-200-02, High Performance and         Sustainable Building Requirements. The facility should be compatible with applicable DoD. Air Force, and base design standards. In addition, local materials and construction requirements per unified facilities criteria. Special Construction, Requirements: Provide all exterior utilities, communications infrastructure, fire protection, backup electrical generator, access pavements and roadway improvements to Infield Road, Shooting Star Road, and the flight line acce   | UTILITIES  |   |  | LS       |              |             |               | ( 357)          |
| SITE IMPROVEMENTS       LS       (549)         COMMUNICATIONS SUPPORT       LS       (520)         DRAINAGE CONTROL       LS       (520)         SUSTAINABILITY AND ENERGY MEASURES       LS       (520)         SUBTOTAL       S       (520)         COMMUNICATIONS SUPPORT       LS       (520)         SUBTOTAL       S       (520)         SUBTOTAL       S       (50)         CONTINGENCY (5%)       403       (50)         TOTAL REQUEST       8,971       (50)         TOTAL REQUEST (ROUNDED)       8,971       9,000         10. Description of Proposed Construction: Construct a fire/crash rescue station facility utilizing conventional design and construction methods to accommodate the mission of the facilities Criteria (UFC) 1-200-01, General Building Requirements and UFC 1-200-02, High Performance and Sustainable Building Requirements. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will comply with DD antiterrorism/force protection requirements and roadway improvements to Infield Road, Shooting Star Road, and the flight line access road.         Air Conditioning: 210 KW.       11. REQUIREMENT: 1.617 SM ADEQUATE: 0 SM SUBSTANDARD: 814 SM PROJECT: Replace Fire Station (Current Mission).         REQUIREMENT:       10 13 full time male and female firefighters. Fire/Crash/rescue operations jorinty support   | PAVEMENTS  | ~   |  | LS       |              |             |               | ( 988)          |
| DOMMONICATIONS SUPPORT       LS       (220)         DRAINAGE CONTROL       LS       (275)         SUBTOTAL       (275)       (275)         SUBTOTAL CONTRACT COST       8,061       403         CONTINGENCY (5%)       403       8,464         SUPERVISION, INSPECTION AND OVERHEAD (6%)       9,000       9,000         10. Description of Proposed Construction: Construct a fire/crash rescue station facility utilizing       6,000         conventional design and construction methods to accommodate the mission of the facility. Facilities       9,000         10. Description of Proposed Construction in accordance with the DoD Unified Facilities Criteria       (UFC) 1-200-01, General Building Requirements and UFC 1-200-02. High Performance and         Sustainable Building Requirements. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction requirements per unified facilities criteria.       Specific protection requirements per unified facilities criteria.         vair Conditioning: 210 KW.       11. REQUIREMENT: 1,617 SM ADEQUATE: 0 SM SUBSTANDARD: 814 SM       PROJECT: Replace Fire Station (Current Mission).         REQUIREMENT: The 125th Fighter Wing requires a facility to adequately support the crash/rescue mission generated by the assigned F-15 aircraft flying operations. The facility must contain adequate space for assigned vehicles, control room, training administrative functions, kitchen, dining, day room, bunk rooms, extinguisher and equipment maintenance, and stora   | SITE IMPROVEMENTS  |   |  | LS       |              |             |               | ( 549)          |
| Distance of the control       13         SUSTAINABILITY AND ENERGY MEASURES       13         SUSTAINARDENENT:       14         SUSTAINARDENENT:       14         SUSTAINAPACE       14         SUSTAINAPACE       15         SUSTAINAPACE   | DRAINAGE CONTROL   | SUPPORT   |  |          |              |             |               | (220)           |
| SUBTOTAL       100         SUBTOTAL       100         CONTINCENCY (5%)       403         TOTAL CONTRACT COST       403         SUPERVISION, INSPECTION AND OVERHEAD (6%)       507         TOTAL REQUEST       8,971         TOTAL REQUEST (ROUNDED)       9,000         10.       Description of Proposed Construction: Construct a fire/crash rescue station facility utilizing         conventional design and construction methods to accommodate the mission of the facility.       Facilities         (UFC) 1-200-01, General Building Requirements and UFC 1-200-02, High Performance and       Sustainable Building Requirements.         sutainable Building Requirements.       The facility should be compatible with applicable DOD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria.       Special Construction Requirements: Provide all exterior utilities, communications infrastructure, fire protection, backup electrical generator, access pavements and roadway improvements to Infield Road, Shooting Star Road, and the flight line access road.         Air Conditioning: 210 KW.       11.       REQUIREMENT: 1.617 SM ADEQUATE: 0 SM SUBSTANDARD: 814 SM         PROJECT:       Replace Fire Station (Current Mission).       REQUIREMENT: The 125th Fighter Wing requires a facility to adequately support the crash/rescue mission generated by the assigned F-15 aircraft flying operatio   |  | -<br>ENEDGY MEASUDES  |  |          |              |             |               | (273)           |
| CONTINGENCY (5%)  | SUBTOTAL   | ENERGI MEASURES   |  | LO       |              |             |               | 8 061           |
| TOTAL CONTRACT COST       8.464         SUPERVISION, INSPECTION AND OVERHEAD (6%)       8.464         TOTAL REQUEST       8.971         TOTAL REQUEST (ROUNDED)       9.000         10. Description of Proposed Construction: Construct a fire/crash rescue station facility utilizing conventional design and construction in accordance with the DoD Unified Facilities. Criteria (UFC) 1-200-01, General Building Requirements and UFC 1-200-02, High Performance and Sustainable Building Requirements. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction requirements per unified facilities criteria. Special Construction Requirements: Provide all exterior utilities, communications infrastructure, fire protection, backup electrical generator, access pavements and roadway improvements to Infield Road, Shooting Star Road, and the flight line access road. Air Conditioning: 210 KW.         11. REQUIREMENT: 1,617 SM ADEQUATE: 0 SM SUBSTANDARD: 814 SM PROJECT: Replace Fire Station (Current Mission).         RQUIREMENT: The 125th Fighter Wing requires a facility to adequately support the crash/rescue mission generated by the assigned F-15 aircraft flying operations. The facility must contain adequate space for assigned vehicles, control room, training administrative functions, kitchen, dining, day room, bunk rooms, extinguisher and equipment maintenance, and storage. Facility must be able to support a 24-hour/day operation by up to 13 full time male and female firefighters. 118/CAsh/Rescue operations jointly support Jacksonville International Airport operations including the aircraft alert mission.         CUIRENT SITUATION: The 125th Fire Station is currently housed in two prefabricated facilities. The adm   | CONTINGENCY (5%)   |   |  |          |              |             |               | 403             |
| SUPERVISION, INSPECTION AND OVERHEAD (6%)<br>TOTAL REQUEST<br>TOTAL REQUEST<br>(ROUNDED)  | TOTAL CONTRACT COS   | ST  |  |          |              |             |               | 8,464           |
| TOTAL REQUEST<br>TOTAL REQUEST (ROUNDED)       8,971         10. Description of Proposed Construction: Construct a fire/crash rescue station facility utilizing<br>conventional design and construction methods to accommodate the mission of the facility. Facilities<br>will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria<br>(UFC) 1-200-01, General Building Requirements and UFC 1-200-02, High Performance and<br>Sustainable Building Requirements. The facility should be compatible with applicable DoD, Air Force,<br>and base design standards. In addition, local materials and construction techniques shall be used where<br>cost effective. This project will comply with DoD antiterrorism/force protection requirements per<br>unified facilities criteria. Special Construction Requirements: Provide all exterior utilities,<br>communications infrastructure, fire protection, backup electrical generator, access pavements and<br>roadway improvements to Infield Road, Shooting Star Road, and the flight line access road.<br>Air Conditioning: 210 KW.         11. REQUIREMENT: 1, 617 SM ADEQUATE: 0 SM SUBSTANDARD: 814 SM<br><u>PROJECT</u> : Replace Fire Station (Current Mission).<br><u>REQUIREMENT</u> : The 125th Fighter Wing requires a facility to adequately support the crash/rescue<br>mission generated by the assigned F-15 aircraft flying operations. The facility must contain adequate<br>space for assigned vehicles, control room, training administrative functions, kitchen, dining, day room,<br>bunk rooms, extinguisher and equipment maintenance, and storage. Facility must be able to support a<br>24-hour/day operation by up to 13 full time male and female firefighters. Fire/Crash/Rescue operations<br>jointly support Jacksonville International Airport operations including the aircraft atert mission.<br><u>CURRENT SITUATION</u> : The 125th Fire Station is currently housed in two prefabricated facilities.<br>The administration section, fire alarm control center, training aca, dining  | SUPERVISION, INSPECT   | TION AND OVERHEAD (   | 6%)  |          |              |             |               | 507             |
| TOTAL REQUEST (ROUNDED)       9,000         10. Description of Proposed Construction: Construct a fire/crash rescue station facility utilizing conventional design and construction methods to accommodate the mission of the facility. Facilities will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria (UFC) 1-200-01, General Building Requirements and UFC 1-200-02, High Performance and Sustainable Building Requirements. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria. Special Construction Requirements: Provide all exterior utilities, communications infrastructure, fire protection, backup electrical generator, access pavements and roadway improvements to Infield Road, Shooting Star Road, and the flight line access road.         Air Conditioning: 210 KW.       11. REQUIREMENT: 1.617 SM ADEQUATE: 0 SM SUBSTANDARD: 814 SM         PROJECT: Replace Fire Station (Current Mission).       REQUIREMENT: The 125th Fighter Wing requires a facility to adequately support the crash/rescue mission generated by the assigned F-15 aircraft flying operations. The facility must contain adequate space for assigned vehicles, control room, training administrative functions, kitchen, dining, day room, bunk rooms, extinguisher and equipment maintenance, and storage. Facility must be able to support a 24-hour/day operation by up to 13 full time male and female firefighters. Fire/Crash/Rescue operations jointly support Jacksonville International Airport operations including the aircraft alert mission.         CURRENT STITUATION: The 125th Fire Station is currently housed in two prefabricated facilitie  | TOTAL REQUEST  |   |  |          |              |             |               | 8,971           |
| <ul> <li>10. Description of Proposed Construction: Construct a fire/crash rescue station facility utilizing conventional design and construction methods to accommodate the mission of the facility. Facilities will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria (UFC) 1-200-01, General Building Requirements and UFC 1-200-02, High Performance and Sustainable Building Requirements. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria. Special Construction Requirements: Provide all exterior utilities, communications infrastructure, fire protection, backup electrical generator, access pavements and roadway improvements to Infield Road, Shooting Star Road, and the flight line access road. Air Conditioning: 210 KW.</li> <li>11. REQUIREMENT: 1,617 SM ADEQUATE: 0 SM SUBSTANDARD: 814 SM <u>PROJECT</u>: Replace Fire Station (Current Mission).</li> <li><u>REQUIREMENT</u>: The 125th Fighter Wing requires a facility to adequately support the crash/rescue mission generated by the assigned F-15 aircraft flying operations. The facility must contain adequate space for assigned vehicles, control room, training administrative functions, kitchen, dining, day room, bunk rooms, extinguisher and equipment maintenance, and storage. Facility must be able to support a 24-hour/day operation by up to 13 full time male and fernale firefighters. Fire/Crash/Rescue operations jointly support Jacksonville International Airport operations as well as an 18 PAA F-15 unit. Fire/crash/Rescue personnel support all airfield operations including the aircraft alert mission.</li> <li><u>CURRENT STUATION</u>: The 125th Fire Station is currently housed in two prefabricated facilities. The administration section, fire alarm control center, training area, dining/kitchen area</li></ul>  | TOTAL REQUEST (ROU)  | NDED)   |  |          |              |             |               | 9,000           |
| <ul> <li>To bestigned of Proposed construction methods to accommodate the mission of the facility. Facilities will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria (UFC) 1-200-01, General Building Requirements and UFC 1-200-02, High Performance and Sustainable Building Requirements. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria. Special Construction Requirements: Provide all exterior utilities, communications infrastructure, fire protection, backup electrical generator, access pavements and roadway improvements to Infield Road, Shooting Star Road, and the flight line access road. Air Conditioning: 210 KW.</li> <li>11. REQUIREMENT: 1,617 SM ADEQUATE: 0 SM SUBSTANDARD: 814 SM <u>PROJECT</u>: Replace Fire Station (Current Mission).</li> <li><u>REQUIREMENT</u>: The 125th Fighter Wing requires a facility to adequately support the crash/rescue mission generated by the assigned F-15 aircraft flying operations. The facility must contain adequate space for assigned vehicles, control room, training administrative functions, kitchen, dining, day room, bunk rooms, extinguisher and equipment maintenance, and storage. Facility must be able to support a 24-hour/day operation by up to 13 full time male and female firefighters. Fire/Crash/Rescue operations jointly support Jacksonville International Airport operations including the aircraft alert mission.</li> <li><u>CURRENT SITUATION</u>: The 125th Fire Station is currently housed in two prefabricated facilities. The administration section, fire alarm control center, training area, dining/kitchen area and sleeping quarters are in building 1044, which is 4,560 SF. The vehicle bay area and equipment storage are in building 1045, which is 4,200SF. The two facilities are separated from each other which cause</li></ul>   | 10 Description of Prope  | used Construction: Cons   | truct a fire/  | crash r  | escue stat   | ion facili  | tv 11t        | ilizing         |
| will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria (UFC) 1-200-01, General Building Requirements and UFC 1-200-02, High Performance and Sustainable Building Requirements. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria. Special Construction Requirements: Provide all exterior utilities, communications infrastructure, fire protection, backup electrical generator, access pavements and roadway improvements to Infield Road, Shooting Star Road, and the flight line access road. Air Conditioning: 210 KW.  | conventional design and c  | construction methods to   | accommoda  | ate the  | mission o    | f the faci  | litv          | Facilities      |
| <ul> <li>(UFC) 1-200-01, General Building Requirements and UFC 1-200-02, High Performance and<br/>Sustainable Building Requirements. The facility should be compatible with applicable DoD, Air Force,<br/>and base design standards. In addition, local materials and construction techniques shall be used where<br/>cost effective. This project will comply with DoD antiterrorism/force protection requirements per<br/>unified facilities criteria. Special Construction Requirements: Provide all exterior utilities,<br/>communications infrastructure, fire protection, backup electrical generator, access pavements and<br/>roadway improvements to Infield Road, Shooting Star Road, and the flight line access road.<br/>Air Conditioning: 210 KW.</li> <li>11. REQUIREMENT: 1,617 SM ADEQUATE: 0 SM SUBSTANDARD: 814 SM<br/><u>PROJECT</u>: Replace Fire Station (Current Mission).<br/><u>REQUIREMENT</u>: The 125th Fighter Wing requires a facility to adequately support the crash/rescue<br/>mission generated by the assigned F-15 aircraft flying operations. The facility must contain adequate<br/>space for assigned vehicles, control room, training administrative functions, kitchen, dining, day room,<br/>bunk rooms, extinguisher and equipment maintenance, and storage. Facility must be able to support a<br/>24-hour/day operation by up to 13 full time male and female firefighters. Fire/Crash/Rescue operations<br/>jointly support Jacksonville International Airport operations as well as an 18 PAA F-15 unit.<br/>Fire/crash/rescue personnel support all airfield operations including the aircraft alert mission.<br/><u>CURRENT SITUATION</u>: The 125th Fire Station is currently housed in two prefabricated facilities.<br/>The administration section, fire alarm control center, training area, dining/kitchen area and sleeping<br/>quarters are in building 1044, which is 4,560 SF. The vehicle bay area and equipment storage are in<br/>building 1045, which is 4,200SF. The two facilities are separated from each other which cause fire<br/>department personnel to be unduly exposed to safety hazards and the environment when reporting to<br/>their vehicles for re</li></ul> | will be designed as perma  | ment construction in acc  | ordance wit  | th the l | DoD Unifi    | ied Facili  | ties (        | Criteria        |
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| <ul> <li>and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria. Special Construction Requirements: Provide all exterior utilities, communications infrastructure, fire protection, backup electrical generator, access pavements and roadway improvements to Infield Road, Shooting Star Road, and the flight line access road. Air Conditioning: 210 KW.</li> <li>11. REQUIREMENT: 1,617 SM ADEQUATE: 0 SM SUBSTANDARD: 814 SM <u>PROJECT</u>: Replace Fire Station (Current Mission).</li> <li><u>REQUIREMENT</u>: The 125th Fighter Wing requires a facility to adequately support the crash/rescue mission generated by the assigned F-15 aircraft flying operations. The facility must contain adequate space for assigned vehicles, control room, training administrative functions, kitchen, dining, day room, bunk rooms, extinguisher and equipment maintenance, and storage. Facility must be able to support a 24-hour/day operation by up to 13 full time male and female firefighters. Fire/Crash/Rescue operations jointly support Jacksonville International Airport operations as well as an 18 PAA F-15 unit. Fire/crash/rescue personnel support all airfield operations including the aircraft alert mission. <u>CURRENT SITUATION</u>: The 125th Fire Station is currently housed in two prefabricated facilities. The administration section, fire alarm control center, training area, dining/kitchen area and sleeping quarters are in building 1044, which is 4,560 SF. The vehicle bay area and equipment storage are in building 1045, which is 4,200SF. The two facilities are separated from each other which cause fire department personnel to be unduly exposed to safety hazards and the environment when reporting to their vehicles for response to emergency and non-emergency calls during periods of inclement weather. Due to the location of these facilities, the fire department is unable to meet the FAA minimum t</li></ul>   | Sustainable Building Reg   | uirements The facility  | should be c  | omnati   | ble with a   | nnlicable   | e Dol         | D Air Force     |
| <ul> <li>active and the first of the fir</li></ul>  | and base design standards  | . In addition, local mate   | erials and co  | onstruc  | tion techr   | iques sh    | all be        | e used where    |
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| <ul> <li><u>PROJECT</u>: Replace Fire Station (Current Mission).</li> <li><u>REQUIREMENT</u>: The 125th Fighter Wing requires a facility to adequately support the crash/rescue mission generated by the assigned F-15 aircraft flying operations. The facility must contain adequate space for assigned vehicles, control room, training administrative functions, kitchen, dining, day room, bunk rooms, extinguisher and equipment maintenance, and storage. Facility must be able to support a 24-hour/day operation by up to 13 full time male and female firefighters. Fire/Crash/Rescue operations jointly support Jacksonville International Airport operations including the aircraft alert mission.</li> <li><u>CURRENT SITUATION</u>: The 125th Fire Station is currently housed in two prefabricated facilities. The administration section, fire alarm control center, training area, dining/kitchen area and sleeping quarters are in building 1044, which is 4,560 SF. The vehicle bay area and equipment storage are in building 1045, which is 4,200SF. The two facilities are separated from each other which cause fire department personnel to be unduly exposed to safety hazards and the environment when reporting to their vehicles for response to emergency and non-emergency calls during periods of inclement weather. Due to the location of these facilities, the fire department is unable to meet the FAA minimum time</li> </ul>   | 11. REQUIREMENT: 1   | ,617 SM ADEQUATI  | E: 0 SM S  | SUBS     | ΓANDAR       | D: 814 S    | SM            |                 |
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| 24-hour/day operation by up to 13 full time male and female interighters. Fire/Crash/Rescue operations jointly support Jacksonville International Airport operations as well as an 18 PAA F-15 unit. Fire/crash/rescue personnel support all airfield operations including the aircraft alert mission.<br><u>CURRENT SITUATION</u> : The 125th Fire Station is currently housed in two prefabricated facilities. The administration section, fire alarm control center, training area, dining/kitchen area and sleeping quarters are in building 1044, which is 4,560 SF. The vehicle bay area and equipment storage are in building 1045, which is 4,200SF. The two facilities are separated from each other which cause fire department personnel to be unduly exposed to safety hazards and the environment when reporting to their vehicles for response to emergency and non-emergency calls during periods of inclement weather. Due to the location of these facilities, the fire department is unable to meet the FAA minimum time  | bunk rooms, extinguisher   | r and equipment mainter   | ance, and s  | torage   | Facility     | must be     | able          | to support a    |
| Fire/crash/rescue personnel support all airfield operations as well as an 18 PAA F-15 unit.<br>Fire/crash/rescue personnel support all airfield operations including the aircraft alert mission.<br><u>CURRENT SITUATION</u> : The 125th Fire Station is currently housed in two prefabricated facilities.<br>The administration section, fire alarm control center, training area, dining/kitchen area and sleeping<br>quarters are in building 1044, which is 4,560 SF. The vehicle bay area and equipment storage are in<br>building 1045, which is 4,200SF. The two facilities are separated from each other which cause fire<br>department personnel to be unduly exposed to safety hazards and the environment when reporting to<br>their vehicles for response to emergency and non-emergency calls during periods of inclement weather.<br>Due to the location of these facilities, the fire department is unable to meet the FAA minimum time  | 24-nour/day operation by   | up to 13 full time male   | and remaie   | nreng    | gnters. Fil  | PAAE 1      | Kesc          | ue operations   |
| <u>CURRENT SITUATION</u> : The 125th Fire Station is currently housed in two prefabricated facilities.<br>The administration section, fire alarm control center, training area, dining/kitchen area and sleeping quarters are in building 1044, which is 4,560 SF. The vehicle bay area and equipment storage are in building 1045, which is 4,200SF. The two facilities are separated from each other which cause fire department personnel to be unduly exposed to safety hazards and the environment when reporting to their vehicles for response to emergency and non-emergency calls during periods of inclement weather. Due to the location of these facilities, the fire department is unable to meet the FAA minimum time   | Jointly support Jacksonvi  | ne international Airport  | operations   | as wei   | 1 as an 18   | PAA F-I     | 5 un          | ill.            |
| <u>CORRENT STICATION</u> : The 125th Fire Station is currently housed in two prelabricated facilities.<br>The administration section, fire alarm control center, training area, dining/kitchen area and sleeping<br>quarters are in building 1044, which is 4,560 SF. The vehicle bay area and equipment storage are in<br>building 1045, which is 4,200SF. The two facilities are separated from each other which cause fire<br>department personnel to be unduly exposed to safety hazards and the environment when reporting to<br>their vehicles for response to emergency and non-emergency calls during periods of inclement weather.<br>Due to the location of these facilities, the fire department is unable to meet the FAA minimum time  | Fire/crash/rescue person   | tel support all'arrield op  |  | ciuding  | g the aircra | alt alert I | mssi<br>aatad |                 |
| quarters are in building 1044, which is 4,560 SF. The vehicle bay area and equipment storage are in<br>building 1045, which is 4,200SF. The two facilities are separated from each other which cause fire<br>department personnel to be unduly exposed to safety hazards and the environment when reporting to<br>their vehicles for response to emergency and non-emergency calls during periods of inclement weather.<br>Due to the location of these facilities, the fire department is unable to meet the FAA minimum time  | <u>CUKKENT STIUATION</u> : The 125th Fire Station is currently housed in two pretabricated facilities.   |   |  |          |              |             |               |                 |
| building 1045, which is 4,200SF. The two facilities are separated from each other which cause fire department personnel to be unduly exposed to safety hazards and the environment when reporting to their vehicles for response to emergency and non-emergency calls during periods of inclement weather. Due to the location of these facilities, the fire department is unable to meet the FAA minimum time  | The administration section, fire alarm control center, training area, dining/kitchen area and sleeping quarters are in building 1044, which is 4.560 SE. The vehicle bey area and equipment storage are in |   |  |          |              |             | a sieepilig   |                 |
| department personnel to be unduly exposed to safety hazards and the environment when reporting to<br>their vehicles for response to emergency and non-emergency calls during periods of inclement weather.<br>Due to the location of these facilities, the fire department is unable to meet the FAA minimum time   | huilding 1045 which is   | quarters are in building 1044, which is 4,560 SF. The vehicle bay area and equipment storage are in |  |          |              |             |               |                 |
| their vehicles for response to emergency and non-emergency calls during periods of inclement weather.<br>Due to the location of these facilities, the fire department is unable to meet the FAA minimum time  | department personnel to  | $r_{20001}$ intervolution in the line induly exposed to set   | ies aie sepa   | and +1   | ioni caell   | ment wh     | en ro         | ause IIIC       |
| Due to the location of these facilities, the fire department is unable to meet the FAA minimum time   | their vehicles for response  | e to emergency and non  | -emergency   |          | during ner   | inde of i   | nclen         | nent weather    |
| 2 at 15 are rotation of these function, the fire department is unable to meet the 1747 minimum time   | Due to the location of the   | ese facilities the fire der   | artment is 1   | inable   | to meet th   | ne FAA n    | njnin         | num time        |
|   |  | the method, the me dep  | and and a state of the state of |          | to meet th   |             |               |                 |

| 1. COMPON       | ENT  |                                  |                                | -                                       | 2. DATE             |  |  |  |  |  |
|-----------------|--|----------------------------------|--------------------------------|---|---------------------|--|--|--|--|--|
|                 |  | FY 2017 MILITARY CO              | NSTRUCTION PROJECT DA          | ЛА                                      | E 1 2016            |  |  |  |  |  |
| ANG             |  | (comp                            | outer generated)               |   | February 2016       |  |  |  |  |  |
| 3. INSTALLA     | ATION  | AND LOCATION                     |                                |   |                     |  |  |  |  |  |
| IACKSONVI       | LEIN   | FERNATIONAL AIRPORT FI           | ORIDA                          |   |                     |  |  |  |  |  |
| 5. PROJECT      | FITLE  |                                  |                                | 7. PROJE                                | ECT NUMBER          |  |  |  |  |  |
| 011100201       |  |                                  |                                | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |                     |  |  |  |  |  |
| REPLACE FI      | REPLACE FIRE CRASH/RESCUE STATION LSGA019179 |                                  |                                |   |                     |  |  |  |  |  |
| requirement     | to reac                                      | h the farthest point of the airf | ield and apply agent. The m    | ninimum t                               | ime is 3 minutes.   |  |  |  |  |  |
| With the cur    | rent loc                                     | ation response times often ex    | ceed 4 minutes. The config     | uration of                              | the bays in this    |  |  |  |  |  |
| location crea   | ates a sa                                    | fety hazard for entry and exi    | t of the facility. The turning | radius of                               | the vehicles        |  |  |  |  |  |
| compounded      | l by the                                     | low visibility in areas around   | d the station, create a high p | robability                              | of a collision      |  |  |  |  |  |
| resulting in e  | equipm                                       | ent damage and personnel inj     | ury. The bays do not have p    | proper ven                              | tilation as         |  |  |  |  |  |
| directed by t   | he Nati                                      | onal Fire Protection Associat    | ion and fire fighters are con  | tinuously                               | exposed to toxic    |  |  |  |  |  |
| fumes. The      | bay do                                       | ors are not properly sized to s  | upport new fire apparatus co   | oming on                                | line. In addition,  |  |  |  |  |  |
| the lack of a   | ccess ro                                     | bads to the flightline and the a | airfield, place base personne  | l in a state                            | of diminished       |  |  |  |  |  |
| safety during   | g emerg                                      | gency responses due to extend    | led travel on base roads.      |   |                     |  |  |  |  |  |
| IMPACT IF       | NOT F  | <u>'ROVIDED</u> : Fire Departmen | t personnel response effecti   | veness wi                               | ll continue to      |  |  |  |  |  |
| degrade and     | negativ                                      | ely impact the mission effici    | ency. This negative impact     | could pro                               | duce both           |  |  |  |  |  |
| personnel in    | jury/fat                                     | ality and mission essential ec   | upment destruction. The ri     | sk of loss                              | of aircraft and     |  |  |  |  |  |
| aircrew asse    | sts will                                     | increase. Training will conti    | nue to be hampered by the i    | nadequate                               | facilities in       |  |  |  |  |  |
| which it is co  | onducte                                      | ed. Costs to provide adequat     | e securing measures for com    | puters, so                              | oftware, and other  |  |  |  |  |  |
| equipment w     | vill incr                                    | ease. Command and control        | will continue to be hampere    | d by poor                               | functional          |  |  |  |  |  |
| relationships   | s, inade                                     | quate space and dispersion of    | the equipment and personn      | el, inadeq                              | uate space to       |  |  |  |  |  |
| conduct fund    | ctions a                                     | ssociated with operational m     | ssions. Fire department cor    | itingency                               | training and        |  |  |  |  |  |
| deployment      | capabil                                      | ity will be impeeded and cost    | t more to meet minimum sta     | ndards to                               | ensure              |  |  |  |  |  |
| deployment      | readine                                      | SS.                              |                                | <b>F</b> 1 ·                            | 0.1                 |  |  |  |  |  |
| ADDITION.       | <u>AL</u> : Sp                               | ace vacated by the Fire Depa     | artment will be turned over t  | o Explosi                               | ve Ordnance         |  |  |  |  |  |
| Disposal, an    | d Read                                       | iness personnel to eliminate t   | heir space deficiencies and i  | ncrease th                              | err mission         |  |  |  |  |  |
| effectiveness   | s. All                                       | known alternatives options w     | ere considered during the de   | velopmer                                | it of this project. |  |  |  |  |  |
| No other opt    | tion cou                                     | ild meet the mission requirem    | ients; therefore, no economi   | c analysis                              | was needed or       |  |  |  |  |  |
| performed.      | This pr                                      | oject meets the criteria/scope   | specified in Air Force Hanc    | book 32-                                | 1084, "Facility     |  |  |  |  |  |
| Requirement     | ts" and                                      | is in compliance with the bas    | e master plan. This project    | will inco                               | rporate             |  |  |  |  |  |
| Leadership 1    | n Energ                                      | gy and Environmental Design      | (LEED) and sustainable de      | velopmen                                | t concepts. The     |  |  |  |  |  |
| purpose is to   | achiev                                       | e optimum resource efficience    | cy, constructability, sustaina | bility, and                             | 1 energy            |  |  |  |  |  |
| conservation    | i, while                                     | minimizing adverse impacts       | to the built and natural envi  | ronment t                               | hrough all phases   |  |  |  |  |  |
| of its life cyc | cle. Th                                      | is may result in primary facil   | ity costs exceeding DoD cos    | sting stance                            | ards, but the       |  |  |  |  |  |
| initial invest  | ment ir                                      | i higher acquisition cost will   | be rewarded with lower life    | cycle cost                              | S. 1 h1S 1S         |  |  |  |  |  |
| consistent w    | ith the                                      | requirements of the Energy P     | olicy Act of 2005 and Exect    | itive Orde                              | r 13423. These      |  |  |  |  |  |
| facilities are  | an "inf                                      | abited buildings and meet        | the standoff distance require  | ments. 1                                | here is no threat   |  |  |  |  |  |
| and the level   | l of pro                                     | tection is low so minimum co     | onstruction standards have b   | een applie                              | d. This project     |  |  |  |  |  |
| was previous    | sly app                                      | roved by the Joint Reserve Fa    | cilities Board under project   | number L                                | <i>S</i> GA919541,  |  |  |  |  |  |
| Construct F     | -ire/EO                                      | D/DP Facility.                   |                                |   |                     |  |  |  |  |  |
|                 |  |                                  |                                |   |                     |  |  |  |  |  |
| CatCode         |  |                                  | Requirement                    | Adequate                                | Substandard         |  |  |  |  |  |
| 130-142         | FIREC  | RASH/RESCUE STATION              | 1 617 SM                       | 0 SM                                    | 814 SM              |  |  |  |  |  |
| 130-142         |  |                                  | 1,017 0141                     | 0.0101                                  | 01- 5141            |  |  |  |  |  |
|                 |  |                                  |                                |   |                     |  |  |  |  |  |
| FIRE STAT       | ION A  | REA                              | 1.617 SM = 17 400 SF           |   |                     |  |  |  |  |  |
|                 |  |                                  | 1,017 5171 - 17,-100 51        |   |                     |  |  |  |  |  |

| 1. C          | OMPONENT                   | FY 2017 MILITARY CONSTRUCTION PROJECT DA   | ТА                 | 2. DATE       |
|---------------|----------------------------|--|--------------------|---------------|
|               |                            | (computer generated)   |                    |               |
| <b>a n</b>    | ANG                        |  |                    | February 2016 |
| 3. IN<br>JACI | STALLATION SONVILLE IN     | AND LOCATION<br>TERNATIONAL AIRPORT, FLORIDA   |                    |               |
| 5. PR         | OJECT TITLE                |  | 7. PROJI           | ECT NUMBER    |
| REPI          | LACE FIRE CRA              | ASH/RESCUE STATION   |                    |               |
|               |                            |  | L                  | SGA019179     |
| 12.           | SUPPLEMENT                 | AL DATA:   |                    |               |
| a.            | Estimated Desig            | gn Data:   |                    |               |
|               | (1) Status:                |  |                    |               |
|               | (a) Date D                 | Design Started   |                    | AUG 2015      |
|               | (b) Parame                 | etric Cost Estimates used to develop costs   |                    | No            |
|               | (c) Percent                | t Complete as of Jan 2016  |                    | 10%           |
|               | * (d) Date 35              | 5% Designed  |                    | MAR 2016      |
|               | (e) Date D                 | esign Complete   |                    | AUG 2016      |
|               | (f) Type of                | Design Contract  |                    |               |
|               | (g) Energy                 | Study/Life-Cycle analysis was/will be performed  |                    | No            |
|               | (2) Basis:                 |  |                    |               |
|               | (a) Standar                | rd or Definitive Design -  |                    | no            |
|               | (b) Where                  | Design Was Most Recently Used -  |                    | N/A           |
|               | (3) Total Cost (           | (c) = (a) + (b)  or  (d) + (e):  |                    | (\$000)       |
|               | (a) Produc                 | tion of Plans and Specifications   |                    | 246           |
|               | (b) All Oth                | her Design Costs   |                    | 492           |
|               | (c) Total                  | -  |                    | 738           |
|               | (d) Contra                 | ct   |                    | 738           |
|               | (e) In-Hou                 | se   |                    |               |
|               | (4) Contract Av            | ward (Month/Year)  |                    | DEC 2016      |
|               | (5) Constructio            | n Start  |                    | MAR 2017      |
|               | (6) Constructio            | n Completion   |                    | MAY 2018      |
|               | * Indicates<br>is comparal | completion of Project Definition with Parametric Cost Estimate<br>ble to traditional 35% design to ensure valid scope and cost and | which<br>executabi | lity.         |
| b.            | Equipment assoc            | iated with this project will be provided from other appropriation  | IS:                | N/A           |
|               |                            |  |                    |               |
|               |                            |  |                    |               |
|               |                            |  |                    |               |
|               |                            |  |                    |               |
|               |                            |  |                    |               |
|               |                            |  |                    |               |
|               |                            |  |                    |               |
| PO            | INT OF CONTA               | CT: NGB/A7AD   |                    |               |
|               |                            | (240) 612-8083   |                    |               |

| 1. COMPONENT   |  |  |                                   | 2. DATE                         |
|--|--|--|-----------------------------------|---------------------------------|
| ANG  | MILITAF  | VARD AND RESER   |                                   | February 2016                   |
| 3. INSTALLATION A  | AND LOCATION   |  |                                   | 4. AREA CONSTR                  |
| JOINT BASE PEARL   | HARBOR - HICKAM, HONOLULU  | (OAHU)   |                                   | 2.10                            |
| 5. FREQUENCY AN<br>One Unit Training As<br>Associate FW with A   | ID TYPE OF UTILIZATION<br>semby per month, 15 days annual fie<br>AD as of FY10. ASA augmented by F             | eld training per year, daily<br>-15 120th FW, MT thru 20 | use by technician/AGR<br>014.     | force for training.             |
| 6. OTHER ACTIVE/<br>2 Army Installations,<br>Army National Guarc | GUARD/RESERVE INSTALLATIONS<br>1 Army Facility, 1 Air Force Base, 1 /<br>I Installations, 1 Air National Guard | S WITHIN 15 MILES RAD<br>Air Force Reserve, 1 Nava       | IUS<br>al Installations, 1 Marine | Corps Reserve Center, 4         |
| 7. PROJECTS REQ  | UESTED IN THIS PROGRAM   |  |                                   |                                 |
| CATEGORY   | PRO IECT TITI E  | SCOPE  |                                   | DESIGN STATUS<br>START COMPLETE |
| 211-159 F  | F-22 Composite Repair Facility   | 1.067 SM   | <u>\$(000)</u><br>\$11.000        | Oct 15 Sept 16                  |
| 8. STATE RESERV<br>The Board recomme                             | E FORCES FACILITIES BOARD REC<br>ndations are: Unilateral Construction   | COMMENDATION<br>Approved                                 |                                   | <u>Aug 14</u><br>(Date)         |
|  |  |  |                                   |                                 |
| 9. LAND ACQUISIT   | ION REQUIRED   |  | (Numb                             | <br>per of Acres)               |
| 10. PROJECTS PLA<br>CATEGORY                                     | NNED IN NEXT FOUR YEARS  |  |                                   | COST                            |
| CODE   | PROJECT TITLE  |  | SCOPE                             | <u>\$(000)</u>                  |
|  | R&M Unfunded Requirement: \$6,495  | 5,000  |                                   |                                 |
|  |  |  |                                   |                                 |

| 1. COMPONENT<br>ANG               |                                | FY 2017 (<br>MILITA | GUARD ANI    | D RESERVE<br>RUCTION |                    | 2. D/<br>Febru | ATE<br>Jary 2016    |
|-----------------------------------|--------------------------------|---------------------|--------------|----------------------|--------------------|----------------|---------------------|
| 3. INSTALLATION AND               | LOCATION                       |                     |              |                      |                    |                |                     |
| JOINT BASE PEARL HA               | RBOR - HICKAM,                 | HONOLULU            | (OAHU)       |                      |                    |                |                     |
| 11. PERSONNEL STRE                | NGTH AS OF 12                  | Jul 11              |              |                      |                    |                |                     |
|                                   |                                | PERMA               | NENT         |                      | GUA                |                | F                   |
|                                   | TOTAL                          | OFFICER             | ENLISTED     | CIVILIAN             | TOTAL              | OFFICER        | ENLISTED            |
| AUTHORIZED                        | 1.014                          | 117                 | 880          | 17                   | 2.547              | 355            | 2.192               |
| ACTUAL                            | 987                            | 110                 | 860          | 17                   | 2,254              | 284            | 1,970               |
|                                   |                                |                     |              |                      |                    |                |                     |
| 12. RESERVE UNIT DA               | ТА                             |                     |              |                      |                    |                |                     |
|                                   | 471011                         |                     |              |                      |                    | STRENGT        | <u>H</u>            |
| HQ ANG                            | ATION                          |                     |              |                      | 45                 |                | <u>ACTUAL</u><br>38 |
| HQ WING                           |                                |                     |              |                      | 66                 |                | 46                  |
| 154 Medical G                     | roup                           |                     |              |                      | 110                |                | 79                  |
| 154 Comptrolle<br>154 Aircraft Ma | er Filght<br>aintenance Squadr | on                  |              |                      | 303                |                | 267                 |
| 154 Civil Engin                   | eering Squadron                |                     |              |                      | 69                 |                | 69                  |
| 154 Communic                      | ation Flight                   |                     |              |                      | 44                 |                | 49                  |
| 154 Logistics F                   | Readiness Squadro              | on<br>Int           |              |                      | 91                 |                | 90<br>42            |
| 154 Maintenan<br>154 Mission St   | upport Group                   | ILIC                |              |                      | 13                 |                | 43                  |
| 154 Force Sup                     | port Squadron                  |                     |              |                      | 60                 |                | 58                  |
| 154 Maintenan                     | ce Squadron                    |                     |              |                      | 391                |                | 330                 |
| 154 Operations                    | s Group<br>s Support Squadro   | n                   |              |                      | 9<br>83            |                | 8<br>72             |
| 154 Security Fe                   | orces Sauadron                 |                     |              |                      | 74                 |                | 68                  |
| 154 Maintenan                     | ice Group                      |                     |              |                      | 47                 |                | 36                  |
| 169 Air Traffic                   | Control Squadron               |                     |              |                      | 232                |                | 212                 |
| 199 Fighter Sq                    | uadron                         |                     |              |                      | 30                 |                | 25                  |
| 109 Air Operat                    | ional Group                    |                     |              |                      | 131                |                | 88                  |
| 201 Combat Co                     | ommunications Gr               | oup                 |              |                      | 45                 |                | 52                  |
| 201 Intelligence                  | e Squadron                     | •                   |              |                      | 55                 |                | 51                  |
| 203 Air Refueli                   | ng Squadron                    |                     |              |                      | 73                 |                | 64                  |
| 204 AIRIN Squa<br>291 Combat Co   | adron<br>ommunications Sc      | uadron              |              |                      | 104<br>105         |                | 108                 |
| 292 Combat C                      | ommunications So               | uadron              |              |                      | 105                |                | 97                  |
| 293 Combat C                      | ommunications So               | uadron              |              |                      | 90                 |                | 77                  |
| 297 Air Traffic                   | Control Squadron               | TO                  | TALS         |                      | <u>90</u><br>2 547 |                | <u>87</u><br>2 254  |
|                                   |                                | -                   |              |                      | _,                 |                | _,_0 .              |
|                                   |                                |                     |              |                      | ALITI (05          |                | A 07114             |
| /ehicles                          | <u>E</u>                       |                     |              |                      | AUTHORIZED<br>218  |                | 214                 |
| -22 AIRCRAFT                      |                                |                     |              |                      | 18                 |                | 20                  |
| C-135R Aircraft                   |                                |                     |              |                      | 12                 |                | 13                  |
| /ehicle Equivalents               |                                |                     |              |                      | 820                |                | 820                 |
|                                   |                                |                     |              |                      |                    |                |                     |
| ) FORM 1390S/2.                   | MAY 1978                       | REPLACES            | DD FORM 1390 | DS, DEC 76. WH       | IICH IS OBSOL      | ETE. Pi        | age No. II-12       |

| 1. COMPONENT   |  | FY 2017 MILITARY CO                | NSTRUCTI       | ON PR     | OJECT DA         | ТА           | 2.    | DATE               |
|--|--|------------------------------------|----------------|-----------|------------------|--------------|-------|--------------------|
| (computer generated)   |  |                                    |                |           | 2014             |              |       |                    |
| ANG<br>2 INSTALLATION  |  |                                    |                | 4 1       |                  |              | Fet   | oruary 2016        |
| 5. INSTALLATION  | AND  | LUCATION                           |                | 4. 1      | KUJECI           | IIILE        |       |                    |
| JOINT BASE PEARI   | L HAR  | BOR - HICKAM, HAWA                 | II             | F-22 C    | OMPOSIT          | E REPAI      | R FA  | CILITY             |
| 5. PROGRAM ELEM  | IENT   | 6. CATEGORY CODE                   | 7. PROJEC      | T NUN     | <b>/</b> BER     | 8. PROJ      | ECT   | COST(\$000)        |
|  |  |                                    |                |           |                  |              |       |                    |
| 52276F   |  | 211-159                            | KNN            | /D1590    | )60              |              | \$11  | ,000               |
|  |  | 9. COST                            | ESTIMATE       | ES        | I                |              |       | ſ                  |
|  |  |                                    |                | 110.6     |                  | UNI<br>COS   | T     | COST               |
|  | TE DI  | IIEM<br>EDAID FACILITY             |                | U/M<br>SM | QUANIII<br>1 218 | Y COS        | 1     | (\$000)            |
| CONSTRUCT LC   | )/CRF  | BAY ADDITION                       |                | SM        | 928              | 6.9          | 900   | (6.403)            |
| CONSTRUCT AD   | DITI   | ONAL SHOP SUPPORT A                | AREA           | SM        | 139              | 6,0          | 552   | ( 925)             |
| RECONFIGURE  | EXIST  | ING MECHANICAL AR                  | EAS            | SM        | 251              | 1,7          | 733   | ( 435)             |
| SUPPORTING FAC   | TILIT  | IES                                |                | LS        |                  |              |       | 1,860              |
| PAVEMENTS  |  |                                    |                | LS        |                  |              |       | ( 400)             |
| UTILITIES  |  |                                    |                | LS        |                  |              |       | ( 200)             |
| SITE WORK  |  |                                    |                | LS        |                  |              |       | ( 420)             |
| COMMUNICATI  | UNS S  | UPPORT                             |                |           |                  |              |       | ( 150)             |
| FIRE SUPPRESS  |  | UPPORI<br>ENERGY MEASURES          |                |           |                  |              |       | ( 690)             |
| SUBTOTAL   |  | ENERGT MEASURES                    |                | LO        |                  |              |       | $9\frac{209}{892}$ |
| CONTINGENCY (5   | %)   |                                    |                |           |                  |              |       | 495                |
| TOTAL CONTRAC  | TCOS   | ЪТ                                 |                |           |                  |              |       | 10,387             |
| SUPERVISION, INS   | SPECT  | 'ION AND OVERHEAD (                | (6%)           |           |                  |              |       | 623                |
| TOTAL REQUEST  |  |                                    |                |           |                  |              |       | 11,010             |
| TOTAL REQUEST  | (ROUI  | NDED)                              |                |           |                  |              |       | 11,000             |
| 10 Description of  | Duomo  | and Constructions Cons             | turnet a sime  | 1. 1      |                  |              |       | 2 har E 22         |
| I. Description of  | Propo  | ite Popeir Facility (LO/           | TUCL a SING    | ng cor    | addition i       | dosign a     | nem . | 2-Day F-22         |
| Low Observable/Co  | mpos.  | the mission of the facili          | Try Equiliti   | ng cor    | be design        | ad as par    | nu co | ont                |
| construction in acco   | rdone  | a with the DoD Unified             | Excilition (   | ritorio   | (UEC) 1          | 200 01       | Jono  | rol Ruilding       |
| Requirements and I   | IFC 1  | -200-02 High Performa              | nce and Su     | rtainab   | (UPC) I-         | 200-01, C    | ome   | nts The            |
| facility should be co  | mnati  | ible with applicable Dol           | ) $A$ ir Eoree | and l     | ase desig        | n standar    | de 1  | In addition        |
| local materials and  | constr   | uction techniques shall b          | , All Folce    | ere cos   | t effective      | This pr      | niec  | t will             |
| comply with DoD a  | ntiterr  | orism/force protection r           | equirement     | s per il  | nified faci      | ilities crit | eria  | Special            |
| Construction Requir  | remen  | ts. Tie into existing two          | b-bay LO fa    | cility i  | s required       | while m      | ainta | ining              |
| aircraft maintenance   | e oner   | ations at full capacity 7          | The facility   | requir    | es a specia      | al corrosi   | on co | ontrolled          |
| environment for the  | LOb  | av. security measures, a           | nd specializ   | zed cli   | nate contr       | ol system    | ns to | regulate           |
| temperature, humidi  | itv. aiı   | rflow and fall protection          |                |           |                  | or system    | 10 00 | regulate           |
| 11 REOUREMENT: 5.741 SM ADEOUATE: 3.066 SM SURSTANDARD: 0.SM   |  |                                    |                |           |                  |              |       |                    |
| PROJECT: Constr  | uct a c  | one-bay addition to the $\epsilon$ | existing LO    | /CRF (    | Current N        | fission).    | 2112  |                    |
| REQUIREMENT:   | The 1  | 54th Fighter Wing requ             | ires a 3rd I   | O/CR      | F bay to p       | erform m     | ainte | enace for a        |
| squadron of 18-PA  | <u>ALQUINEWEEVE</u> . The 134th Fighter Wing requires a Stu LO/CKF day to perform maintenace for a squadron of 18-PAA E-22 Fighter Aircraft at Hickam $\Delta$ NGR Joint Rase Pearl Harbor-Hickam HI |                                    |                |           |                  |              |       |                    |
| The materials produced during composite repair require unique equipment and supplies for maintenance |  |                                    |                |           |                  |              |       |                    |
| and repair, and a sp   | and repair and a specialized environmentally-controlled facility to perform the work. The facility   |                                    |                |           |                  |              |       |                    |
| requires a special c   | orrosi   | on controlled environme            | ent for the I  | .O bav    | . security       | measures     | . and | l specialized      |
| climate control syst   | tems t   | o regulate temperature.            | numidity, a    | irflow    | and fall pr      | otection.    | The   | facility must      |
| contain areas for co   | contain areas for corrosion inspection, on- and off-aircraft LO restoration LO restoration following   |                                    |                |           |                  |              |       |                    |
| aircraft maintenanc  | e, on-   | aircraft composite mater           | rial repairs,  | off eq    | uipment tr       | aining.      |       | C                  |
| CURRENT SITUA  | TION   | I: The existing two-bay            | building do    | bes not   | provide th       | he require   | ed ca | pacity             |
| necessary for comp   | osite :  | aircraft skin maintenanc           | e, laminatir   | ig, and   | painting.        | The aircr    | aft f | leet requires      |
| additional capacity  | beyor  | nd what can be maintain            | ed with the    | two-ba    | ay facility.     | . The two    | o-bay | y operation is     |
|  | •  |                                    |                |           | • •              |              |       | •                  |

| -                      |  |                        |             |                      |
|------------------------|--|------------------------|-------------|----------------------|
| 1. COMPONENT           |  |                        |             | 2. DATE              |
| ANG                    | FY 2017 MILITARY CONSTRU                     | JCTION PROJECT DA      | AΤΑ         | Fobruary 2016        |
| 3 INSTALLATION         | AND LOCATION                                 |                        |             | Teordary 2010        |
|                        |  |                        |             |                      |
| JOINT BASE PEARI       | L HARBOR - HICKAM, HAWAII                    |                        |             |                      |
| 5. PROJECT TITLE       |  |                        | 7. PROJI    | ECT NUMBER           |
|                        |  |                        |             |                      |
| F-22 COMPOSITE R       | EPAIR FACILITY                               |                        | K           | NMD159060            |
| in continual use lea   | Ving no time for building sustainment $Q(Q)$ | it without a 50% red   | uction in a | incraft production   |
| rates. All chart are s | form minor repairs to LO/CR composition      | xr mannenance. The     | O/CPE by    | mempled a            |
| success Critical m     | ission requirements are inhibited sin        | ce aircraft are not av | ailable du  | e to required and    |
| frequent composite     | maintenance and repair. The remote           | e location prohibits r | eturning i  | ets to depot for     |
| routine LO/CRF m       | aintenance - they must be maintained         | 1 on-island. There is  | enough p    | roperty adjacent     |
| to the existing two-   | bay facility to build one additional b       | ay and increase prod   | uction rat  | es to a more         |
| acceptable level.      | 5  | 5 1                    |             |                      |
| <b>IMPACT IF NOT I</b> | PROVIDED: The current building w             | vill remain functional | , but miss  | tion operations      |
| will continue to be    | limited/inhibited due to the insufficient    | ent LO/CRF capacity    | . Fully M   | lission Capable      |
| (FMC) rates will co    | ontinue to decrease as the backlog of        | aircraft needing exte  | rior coati  | ng treatments        |
| continue to increase   | e. This will result in fewer resources       | (time and equipmen     | t) availab  | le to sustain        |
| required aircraft tra  | ining and mission accomplishment.            | Additionally, facility | / mainten   | ance downtime        |
| restricts the aircraft | LO repairs to only one bay. If one           | of the two current ba  | iys becom   | e inoperable for     |
| an extended period     | of time, the F-22 mission will be cri        | tically affected. This | will have   | severe negative      |
| affect on support of   | PACOM's Air Control Alert missio             | n as well as the organ | nic flying  | mission of the       |
| 154th's PAA. The       | Air Force will have to accept less mi        | ssion capability due   | to inadequ  | late LO              |
| ADDITIONAL S           | asteinable principles to include Life        | F's most forward 5th   | -generation | in fighter location. |
| into the design dex    | relepinent and construction of the pro-      | Diect in accordance w  | vith Execu  | tive Order 13423     |
| 10  USC  2802(c) an    | d other applicable laws and Executiv         | ve Orders This is a l  | ate-to-nee  | A MILCON             |
| effort This project    | meets the criteria/scope specified in        | Air National Guard     | Handbool    | k 32-1084            |
| "Facility Requirem     | ents" and is in compliance with the i        | nstallation developm   | ent plan.   | This facility can    |
| be used by other co    | mponents on an "as available" basis          | ; however, the scope   | of the pro  | ject is based on     |
| Air National Guard     | requirements. An economic analys             | is has been prepared   | comparing   | g the alternatives   |
| of new construction    | n, revitalization, leasing and status qu     | o operation. Based     | on the net  | present values       |
| and benefits of the    | respective alternatives, new construct       | tion was found to be   | the cost e  | fficient over the    |
| life of the project.   |  |                        |             |                      |
|                        |  |                        |             |                      |
|                        |  |                        |             |                      |
| CatCode                |  | Requirement            | Adequate    | Substandard          |
| 211-159 AIRCH          | RAFT CORROSION CONTROL                       | 5,741 SM               | 3,066 SM    | 0 SM                 |
|                        |  |                        |             |                      |
| CONSTRUCTIO            |  | 8 SM - 9 990 SE        |             |                      |
| CONSTRUCT AD           | DITIONAL SHOP SUPPORT ARE                    | A 139  SM = 1.500  SF  | 7           |                      |
|                        |  | 1.500 51               |             |                      |
|                        |  |                        |             |                      |
|                        |  |                        |             |                      |

|   |   |                       | <b>2</b> , <b>2</b> , <b>1</b> |
|---|---|-----------------------|---|
|   | (computer generated)  |                       |   |
| ANG   | TION  |                       | February 2016   |
| 3. INSTALLATION AND LOCA<br>JOINT RASE PEARL HARBOR | TION<br>- HICKAM HAWAII   |                       |   |
| JUINT DASE I LANE HUNDON                            |   |                       |   |
| 5. PROJECT TITLE                                    |   | 7. PROJE              | CT NUMBER   |
| F-22 COMPOSITE REPAIR FAC                           | ILITY   |                       |   |
|   |   | KN                    | MD159060  |
|   |   |                       |   |
| 12. SUPPLEMENTAL DATA:                              |   |                       |   |
| a. Estimated Design Data:                           |   |                       |   |
| (1) Status:   |   |                       |   |
| (a) Date Design Starte                              | đ   |                       | OCT 2015  |
| (b) Parametric Cost Es                              | timates used to develop costs   |                       | YES   |
| (c) Percent Complete a                              | s of Jan 2016   |                       | 10%   |
| * (d) Date 35% Designed                             | l   |                       | FEB 2016  |
| (e) Date Design Compl                               | ete   |                       | SEP 2016  |
| (f) Type of Design Cor                              | ntract  |                       |   |
| (g) Energy Study/Life-                              | Cycle analysis was/will be performed  |                       | YES   |
| () Decisi   |   |                       |   |
| (2) Basis:  | in Design   |                       | NO  |
| (a) Standard of Definition<br>(b) Where Design Was  | West Recently Used _  |                       | NU/Δ  |
| (U) Where Design was                                | Most Recently Used -  |                       | 1N/A  |
| (3) Total Cost (c) = $(a) + (b)$                    | ) or $(d) + (e)$ :  |                       | (\$000)   |
| (a) Production of Plans                             | and Specifications  |                       | 710   |
| (b) All Other Design C                              | osts  |                       | 50  |
| (c) Total   |   |                       | 760   |
| (d) Contract  |   |                       | 760   |
| (e) In-House  |   |                       |   |
|   |   |                       | 220 2017  |
| (4) Contract Award (Month                           | /Year)  |                       | DEC 2016  |
| (5) Construction Start                              |   |                       | JAN 2017  |
|   |   |                       |   |
| (6) Construction Completio                          | n   |                       | APR 2018  |
| * Indicates completion a is comparable to tradition | of Project Definition with Parametric Cost Estimate<br>onal 35% design to ensure valid scope and cost and | e which<br>executabil | ity.  |
| b. Equipment associated with th                     | is project will be provided from other appropriation  | ns:                   | N/A   |
|   |   |                       |   |
|   |   |                       |   |
|   |   |                       |   |
|   |   |                       |   |
|   |   |                       |   |
|   |   |                       |   |
|   |   |                       |   |
|   |   |                       |   |
|   |   |                       |   |
| POINT OF CONTACT: NGB/A                             | A7AD  |                       |   |
| (240) 6   | 112-8508  |                       |   |

| 1. COMPONENT   |   |  |                        | 2. DATE  |
|--|---|--|------------------------|--|
| ANG  | FY 2017 GL<br>MILITAR   | JARD AND RESERVE<br>Y CONSTRUCTION                                 |                        | February 2016  |
| 3. INSTALLATION A  | ND LOCATION   |  |                        | 4. AREA CONSTR                                       |
| SIOUX GATEWAY A  | IRPORT/COL BUD DAY FIELD, SIO   | UX CITY  |                        | .99  |
| 5. FREQUENCY AN<br>Twenty four monthly   | D TYPE OF UTILIZATION<br>assemblies per year, 15 days annual f  | field training per year, daily us                                  | se by technician/AGF   | R force and for training.                            |
|  |   |  |                        |  |
| <ol> <li>OTHER ACTIVE/<br/>Army Reserve Cente<br/>Army National Guard<br/>Naval Reserve Train</li> </ol> | GUARD/RESERVE INSTALLATIONS<br>r – 3rd Battalion 14th Artillery, Area M<br>I – HHC 2d Bn M 133d Inf, Orgn Maint<br>ing Center | WITHIN 15 MILES RADIUS<br>aintenance Support Activity<br>Shop No 3 |                        |  |
| 7. PROJECTS REQ  | UESTED IN THIS PROGRAM  |  |                        |  |
| CATEGORY<br><u>CODE</u>  | PROJECT TITLE   | <u>SCOPE</u>   | COST<br><u>\$(000)</u> | <u>DESIGN STATUS</u><br><u>START</u> <u>COMPLETE</u> |
| 171-450 Constru  | uct Consolidate Support Functions   | 3,443 SM (37,060 SF)   | 12,600                 | Sep 15 Sep 16  |
|  |   |  |                        |  |
|  |   |  |                        |  |
|  |   |  |                        |  |
|  |   |  |                        |  |
|  |   |  |                        |  |
| 8. STATE RESERVI<br>The Board recomme  | E FORCES FACILITIES BOARD REC<br>ndations are: Unilateral Construction  | OMMENDATION<br>Approved  | <u>09 F</u>            | Feb 15   |
|  |   |  | (D                     | Date)  |
| 9. LAND ACQUISIT   | ON REQUIRED   |  | (Numbe                 | None   |
| 10 PROJECTS PLA  | NNED IN NEXT FOUR YEARS   |  | (                      |  |
| CATEGORY<br><u>CODE</u>  | PROJECT TITLE   |  | SCOPE                  | COST<br><u>\$(000)</u>                               |
|  |   |  |                        |  |
| R&M U  | Infunded Requirement: \$12,000,000  |  |                        |  |
|  |   |  |                        |  |
|  |   |  |                        |  |
|  |   |  |                        |  |
|  |   |  |                        |  |
|  |   |  |                        |  |
|  |   |  |                        |  |

| 1. COMPONENT<br>ANG       |                                     | FY 2017 (<br>MILITA | GUARD AND | D RESERVE       |                  | 2.<br>Fet | DATE<br>pruary 2016 |
|---------------------------|-------------------------------------|---------------------|-----------|-----------------|------------------|-----------|---------------------|
| 3. INSTALLATION A         | ND LOCATION                         |                     |           |                 |                  |           |                     |
| SIOUX GATEWAY A           | IRPORT/COL BUD DA                   | Y FIELD, SI         | OUX CITY  |                 |                  |           |                     |
| 11. PERSONNEL S           | TRENGTH AS OF 11 J                  | un 15               |           |                 |                  |           |                     |
|                           |                                     | PERMA               | NENT      |                 | GUA              | RD/RESER  | VE                  |
|                           | TOTAL                               | <u>OFFICER</u>      | ENLISTED  | <u>CIVILIAN</u> | <u>TOTAL</u>     | OFFICER   | <u>ENLISTED</u>     |
| AUTHORIZED                | 803                                 | 107                 | 696       | 0               | 944              | 120       | 824                 |
| ACTUAL                    | 816                                 | 109                 | 707       | 0               | 943              | 119       | 824                 |
| 12. RESERVE UNIT          | DATA                                |                     |           |                 |                  |           |                     |
|                           |                                     |                     |           |                 |                  | STRENG    | TH                  |
| UNIT DES<br>174 Air Rei   | IGNATION<br>fueling Squadron        |                     |           |                 | AUTHORIZED<br>49 |           | ACTUAL<br>50        |
| 185 Aircraf               | t Maintenance Squadro               | on                  |           |                 | 58               |           | 63                  |
| 185 Air Re<br>185 Civil E | ngineering Squadron                 |                     |           |                 | 49<br>91         |           | 51<br>90            |
| 185 Comm                  | unication Flight                    |                     |           |                 | 31               |           | 34                  |
| 185 Compi<br>185 Force    | Support Squadron                    |                     |           |                 | 49               |           | 46                  |
| 185 Logisti               | cs Readiness Squadro                | 'n                  |           |                 | 100              |           | 103                 |
| 185 Missio                | n Support Group                     |                     |           |                 | 8                |           | 8                   |
| 185 Mainte<br>185 MXOF    | nance Group                         |                     |           |                 | 15<br>21         |           | 14<br>22            |
| 185 MXOS                  |                                     |                     |           |                 | 150              |           | 151                 |
| 185 Opera<br>185 Opera    | tions Group<br>tions Support Flight |                     |           |                 | 7<br>41          |           | 7<br>38             |
| 185 Securi                | ty Forces Squadron                  | TO                  |           |                 | 74               |           | <u>74</u><br>814    |
|                           |                                     | 10                  | TALS      |                 | 803              |           | 014                 |
|                           |                                     |                     |           |                 |                  |           |                     |
|                           |                                     |                     |           |                 |                  |           |                     |
|                           |                                     |                     |           |                 |                  |           |                     |
| 13. MAJOR EQUIPN          | IENT AND AIRCRAFT                   |                     |           |                 |                  |           |                     |
|                           | <u>YPE</u>                          |                     |           |                 | AUTHORIZED       |           | ACTUAL              |
| Support Equipment P       | lon-Power                           |                     |           |                 | 124              |           | 97<br>85            |
| Vehicle Equivalents       |                                     |                     |           |                 | 442              |           | 546<br>9            |
|                           |                                     |                     |           |                 | U                |           | 5                   |
|                           |                                     |                     |           |                 |                  |           |                     |
|                           |                                     |                     |           |                 |                  |           |                     |
|                           |                                     |                     |           |                 |                  |           |                     |
|                           |                                     |                     |           |                 |                  |           |                     |
|                           |                                     |                     |           |                 |                  |           |                     |
|                           |                                     |                     |           |                 |                  |           |                     |
|                           |                                     |                     |           |                 |                  |           |                     |
|                           |                                     |                     |           |                 |                  |           |                     |
|                           |                                     |                     |           |                 |                  |           |                     |
|                           |                                     |                     |           |                 |                  |           |                     |
|                           |                                     |                     |           |                 |                  |           |                     |
|                           |                                     |                     |           |                 |                  |           |                     |

| 1. COMPONENT                | 1. COMPONENT FY 2017 MILITARY CONSTRUCTION PROJECT DATA 2. DATE |   |               |                                |                         |                | DATE   |                    |
|-----------------------------|---|---|---------------|--------------------------------|-------------------------|----------------|--------|--------------------|
| (computer generate          |   |   |               | d)                             |                         |                | E-1    |                    |
| 3 INSTALLATION AND LOCATION |   |   |               | <u>4</u>                       | PROIECT                 | TITLE          | Fet    | bruary 2016        |
| SIOUX GATEWAY               | AIRPO   | DRT/COL BUD DAY FIEI                      | LD,           | CONSTRUCT CONSOLIDATED SUPPORT |                         |                |        |                    |
| IOWA                        |   |   |               | FUNC                           | TIONS                   |                |        |                    |
| 5. PROGRAM ELEM             | ENT   | 6. CATEGORY CODE                          | 7. PROJEC     | T NUN                          | <b>ABER</b>             | 8. PROJ        | ECT    | COST(\$000)        |
| 52276F                      |   | 171-450                                   | VSS           | B0990                          | 14                      |                | \$12   | ,600               |
|                             |   | 9. COST                                   | ESTIMATE      | S                              |                         |                |        |                    |
|                             |   |   |               |                                |                         | UNI            | T      | COST               |
|                             |   | ITEM                                      |               | U/M                            | QUANTIT                 | Y COS          | Т      | (\$000)            |
| CONSOLIDATE SU              | PPOR  | T FUNCTIONS                               | 1450)         | SM                             | 3,443                   | 20             | )60    | 10,106             |
| DINING & TRAIN              | JING  | E SUPPORT AREAS (17)<br>FACILITY (722351) | [430]         | SM                             | 2,033                   | 2,5            | 352    | (7,853)<br>(2,253) |
| SUPPORTING FAC              |   | IES                                       |               | LS                             | ,,,0                    | 2,0            |        | 650                |
| UTILITIES                   |   |   |               | LS                             |                         |                |        | ( 300)             |
| PAVEMENTS                   |   |   |               | LS                             |                         |                |        | ( 200)             |
| SITE IMPROVEN               | 1ENT  |   |               | LS                             |                         |                |        | ( 150)             |
| SUSTAINABLITY A             | AND E   | ENERGY MEASURES                           |               |                                |                         |                |        | 120                |
| SUBTOTAL                    | ))  |   |               | LO                             |                         |                |        | 11.331             |
| CONTINGENCY (59             | %)  |   |               |                                |                         |                |        | 567                |
| TOTAL CONTRACT              | r COS   | ST  |               |                                |                         |                |        | 11,898             |
| SUPERVISION, INS            | PECT  | ION AND OVERHEAD (                        | 6%)           |                                |                         |                |        | 713                |
| TOTAL REQUEST               | DOU   |   |               |                                |                         |                |        | 12,611             |
| IUIAL REQUESI (             | KUUI  | NDED)                                     |               |                                |                         |                |        | 12,000             |
| 10. Description of          | Propo   | sed Construction: Cons                    | truct a cons  | olidate                        | ed support              | facility u     | ıtiliz | ing                |
| conventional design         | and c   | construction methods to                   | accommoda     | te the                         | mission o               | f the facil    | lity.  | Facilities         |
| will be designed as p       | perma   | nent construction in acc                  | ordance wi    | th the l                       | DoD Unif                | ied Facili     | ties   | Criteria           |
| (UFC) 1-200-01, Ge          | neral   | <b>Building Requirements</b>              | and UFC 1     | -200-0                         | 2, High P               | erforman       | ce ar  | nd                 |
| Sustainable Building        | g Req   | uirements. The facility                   | should be c   | ompati                         | ible with a             | pplicable      | : Dol  | D, Air Force,      |
| and base design stan        | dards   | In addition, local mate                   | erials and co | onstruc                        | ction techr             | iques sha      | all be | e used where       |
| cost effective. This        | proje   | ct will comply with DoL                   | antiterrori   | sm/tor                         | ce protect              | ion requi      | reme   | ents per           |
| unified facilities crit     | eria.   | Special Construction Re                   | equirements   | : Exte                         | erior work              | includes       | all n  | lecessary          |
| Air Conditioning: 35        | ess pa  | avements, fire protection                 | i, she work   | , and s                        | upport.                 |                |        |                    |
| 11 REOUIREMEN               |   | 443 SM ADEOUATI                           | E: 0.SM       | SUBS                           | ΓANDAR                  | $D \cdot 0.SM$ |        |                    |
| PROJECT: Constru            | ict Co  | onsolidated Support Fun                   | ctions Faci   | lity (C                        | urrent Mis              | sion).         |        |                    |
| <b>REQUIREMENT:</b>         | The 1   | 85th Air Refueling Win                    | g supports    | 8 PAA                          | KC-135s                 | aircraft.      | The    | wing               |
| requires an adequate        | ely si  | zed and propertly config                  | ured space    | to con                         | solidate n              | umerous        | adm    | inistrative        |
| and training functio        | ns int  | o one facility. This proj                 | ect will all  | ow for                         | the dispos              | sal of buil    | lding  | g 235 and          |
| building 263 under          | a sepa  | arate effort. Functional                  | areas inclu   | de: dir                        | ning hall a             | nd servic      | es; h  | onor guard;        |
| communications, pu          | iblic a   | affairs, audio visual, and                | medical tr    | aining.                        |                         |                |        |                    |
| CURRENT SITUA               | TION  | : The Wings support fu                    | ctions are c  | urrent                         | ly housed               | in two fa      | ciliti | es, building       |
| 235 (constructed in         | 19/3  | ) and building 263 (cons                  | tructed in I  | 957).<br>maant t               | Both of the             | nese build     | lings  | do not             |
| provide the required        | i spac  | ve for the functions to en                | ectively su   | pport t                        | ne training             | g mission      | S. I   | tion and           |
| noorly insulated wit        | h ant   | iquated heating and elec                  | trical system | ns Tł                          | port, min<br>e existing | building       | s ha   | ve exceeded        |
| their useful service        | life a  | nd are seeing an increasi                 | ng number     | of ren                         | air require             | ments es       | neci   | ally in their      |
| electical, plumbing.        | heati   | ng/air conditioning and                   | structural s  | ystems                         | An eco                  | nomic ana      | aylsi  | s determined       |
| that the best way to        | corre   | ct the deficiencies was t                 | o construct   | a new                          | facility.               |                |        |                    |
| IMPACT IF NOT P             | ROV   | <u>TIDED</u> : Continued problem          | lems with the | aining                         | and medi                | cal suppo      | ort of | f traditional      |
| guard members in the        | heir n  | nilitary and wartime con                  | tingency re   | quirem                         | ents due t              | to the lack    | c of s | space in the       |
|                             |   |   |               |                                |                         |                |        |                    |

| 1. COMPON     | IENT  |   |                      |             | 2. DATE            |  |  |  |  |
|---------------|---|---|----------------------|-------------|--------------------|--|--|--|--|
|               |   | FY 2017 MILITARY CONSTRUCT                    | ION PROJECT DA       | AТА         |                    |  |  |  |  |
| ANG           | ATION   | (computer genera                              | ted)                 |             | February 2016      |  |  |  |  |
| 3. INSTALL    | 5. INSTALLATION AND LOCATION                  |   |                      |             |                    |  |  |  |  |
| SIOUX GAT     | SIOUX GATEWAY AIRPORT/COL BUD DAY FIELD. IOWA |   |                      |             |                    |  |  |  |  |
| 5. PROJECT    | TITLE   |   |                      | 7. PROJE    | ECT NUMBER         |  |  |  |  |
|               |   |   |                      |             |                    |  |  |  |  |
| CONSTRUC      | T CONS  | OLIDATED SUPPORT FUNCTIONS                    |                      | V           | SSB099014          |  |  |  |  |
| medical fac   | ilities.                                      | Continued high maintenance and energy         | costs associated     | with aging  | g and antiquated   |  |  |  |  |
| mechanical    | system  | s being used beyond their economic life       | and increased fac    | ility down  | n time due to lack |  |  |  |  |
| of proper he  | eating, v                                     | rentilation, and air conditioning when the    | ese mechanical sy    | stems fai   | l.<br>             |  |  |  |  |
| ADDITION      | $\underline{AL}$ : Si                         | ustainable principles, to include Life Cy-    | cle cost effective   | practices,  | will be integrated |  |  |  |  |
| 10  USC  280  | $\frac{1}{2}$                                 | d other applicable laws and Executive C       | rdars An accord      | mic onoly   | live Order 15425,  |  |  |  |  |
| nrepared co   | mnarin  | a the alternatives of new construction re     | vitalization leasi   | ng and sta  |                    |  |  |  |  |
| operation     | Rased o                                       | n the net present values and benefits of t    | the respective alter | rnatives    | new construction   |  |  |  |  |
| was found t   | o be the                                      | e cost efficient over the life of the project | t This project me    | eets the cr | iteria/scope       |  |  |  |  |
| specified in  | Air Na  | tional Guard Handbook 32-1084. "Facil         | ity Requirements'    | ' and is in | compliance with    |  |  |  |  |
| the installat | ion dev                                       | elopment plan. Antiterrorism/Force Pro        | tection requireme    | nts have b  | been considered    |  |  |  |  |
| in the devel  | opment  | of this project. The following buildings      | will be demolish     | ned under   | a separate         |  |  |  |  |
| sustainment   | t, restora                                    | ation, and modernization project as a res     | ult of this project  | : 235 (at   | 1,110 SM) and      |  |  |  |  |
| B263 (at 2,0  | 036 SM  | ).  | x v                  |             |                    |  |  |  |  |
|               |   |   |                      |             |                    |  |  |  |  |
|               |   |   |                      |             |                    |  |  |  |  |
| CatCode       |   |   | Requirement          | Adequate    | Substandard        |  |  |  |  |
| 171-450       | RESEF   | RVE COMPONENT MEDICAL TRNG                    | 957 SM               | 0 SM        | 0 SM               |  |  |  |  |
| 722-351       | DININ   | G FACILITY                                    | 790 SM               | 0 SM        | 0 SM               |  |  |  |  |
| 1/1-443       | RESER   | RVE FORCES GENERAL TRANING                    | 762 SM               | 0 SM        | 0 SM               |  |  |  |  |
| 131-111       | IELEC   | COMMUNICATIONS FACILITY                       | 808 SM               | 0 SM        | 0 SM<br>0 SM       |  |  |  |  |
| 141-383       |   | J V ISUAL/GRAPHICS FACILITY                   | 01 SM<br>65 SM       | 0 SM        | 0 SM               |  |  |  |  |
| 1/1-443       | KESEF   | WE FORCES OW I FACILITY                       | 03 SM                | 0.514       | 0.5141             |  |  |  |  |
|               |   |   |                      |             |                    |  |  |  |  |
| ADMIN AN      | ND MEI  | DICAL SUPPORT AREAS (171450)2 (               | 553  SM = 28 560     | SF          |                    |  |  |  |  |
| DINING H      | ALL (7)                                       | 22351) 790 SI                                 | M = 8.500  SF        | 51          |                    |  |  |  |  |
|               |   |   |                      |             |                    |  |  |  |  |
|               |   |   |                      |             |                    |  |  |  |  |
|               |   |   |                      |             |                    |  |  |  |  |
|               |   |   |                      |             |                    |  |  |  |  |
|               |   |   |                      |             |                    |  |  |  |  |
|               |   |   |                      |             |                    |  |  |  |  |
|               |   |   |                      |             |                    |  |  |  |  |
|               |   |   |                      |             |                    |  |  |  |  |
|               |   |   |                      |             |                    |  |  |  |  |
|               |   |   |                      |             |                    |  |  |  |  |
|               |   |   |                      |             |                    |  |  |  |  |
|               |   |   |                      |             |                    |  |  |  |  |
|               |   |   |                      |             |                    |  |  |  |  |
|               |   |   |                      |             |                    |  |  |  |  |
|               |   |   |                      |             |                    |  |  |  |  |
|               |   |   |                      |             |                    |  |  |  |  |

| ANG<br>STALLATION AND LOCA<br>X GATEWAY AIRPORT/C<br>DJECT TITLE<br>STRUCT CONSOLIDATE S   | (computer generated)<br>ATION<br>COL BUD DAY FIELD, IOWA<br>SUPPORT FUNCTIONS   | 7. PROJECT NUMBER   |
|--|---|---|
| STALLATION AND LOCA<br>X GATEWAY AIRPORT/C<br>DJECT TITLE<br>STRUCT CONSOLIDATE S  | ATION<br>COL BUD DAY FIELD, IOWA<br>SUPPORT FUNCTIONS   | 7. PROJECT NUMBER   |
| DJECT TITLE<br>STRUCT CONSOLIDATE S  | SUPPORT FUNCTIONS   | 7. PROJECT NUMBER   |
| STRUCT CONSOLIDATE :   | SUPPORT FUNCTIONS   |   |
|  |   | VSSB099014  |
| SUPPLEMENTAL DATA:   |   |   |
| Estimated Design Data:   |   |   |
| (1) Status:  |   |   |
| (a) Date Design Starte   | d   | SEP 2015  |
| (b) Parametric Cost Es   | timates used to develop costs   | YES   |
| (c) Percent Complete a   | s of Jan 2016   | 35%   |
| * (d) Date 35% Designed  | 1   | JAN 2016  |
| (e) Date Design Comp   | lete  | SEP 2016  |
| (f) Type of Design Con   | ntract  | DB  |
| (g) Energy Study/Life-   | Cycle analysis was/will be performed  | YES   |
| (2) Basis:   |   |   |
| (a) Standard or Definit  | ive Design -  | No  |
| (b) Where Design Was   | Most Recently Used -  | N/A   |
| (3) Total Cost (c) = (a) + (b) $(a) = (a) + (b) + (b) = (a) + (b) = (a)$ | b) or $(d) + (e)$ :   | (\$000)   |
| (a) Production of Plans  | s and Specifications  | 425   |
| (b) All Other Design C   | Costs   | 25  |
| (c) Total  |   | 450   |
| (d) Contract   |   | 450   |
| (e) In-House   |   |   |
| (4) Contract Award (Month  | n/Year)   | FEB 2017  |
| (5) Construction Start   |   | APR 2017  |
| (6) Construction Completion  | on  | OCT 2018  |
| * Indicates completion is comparable to traditi  | of Project Definition with Parametric Cost Estimate<br>onal 35% design to ensure valid scope and cost and e   | which<br>executability.   |
| Equipment associated with the  | is project will be provided from other appropriations   | :: N/A  |
|  | Estimated Design Data:<br>(1) Status:<br>(a) Date Design Starte<br>(b) Parametric Cost Es<br>(c) Percent Complete a<br>* (d) Date 35% Designed<br>(e) Date Design Comp<br>(f) Type of Design Con<br>(g) Energy Study/Life-<br>(2) Basis:<br>(a) Standard or Definit<br>(b) Where Design Was<br>(3) Total Cost (c) = (a) + (b<br>(a) Production of Plans<br>(b) All Other Design Co<br>(c) Total<br>(d) Contract<br>(e) In-House<br>(4) Contract Award (Month<br>(5) Construction Start<br>(6) Construction Completion<br>* Indicates completion<br>is comparable to traditi<br>Equipment associated with th | Estimated Design Data:<br>(1) Status:<br>(a) Date Design Started<br>(b) Parametric Cost Estimates used to develop costs<br>(c) Percent Complete as of Jan 2016<br>* (d) Date 35% Designed<br>(e) Date Design Complete<br>(f) Type of Design Complete<br>(f) Type of Design Contract<br>(g) Energy Study/Life-Cycle analysis was/will be performed<br>(2) Basis:<br>(a) Standard or Definitive Design -<br>(b) Where Design Was Most Recently Used -<br>(3) Total Cost (c) = (a) + (b) or (d) + (e):<br>(a) Production of Plans and Specifications<br>(b) All Other Design Costs<br>(c) Total<br>(d) Contract<br>(e) In-House<br>(4) Contract Award (Month/Year)<br>(5) Construction Start<br>(6) Construction Completion<br>* Indicates completion of Project Definition with Parametric Cost Estimate -<br>is comparable to traditional 35% design to ensure valid scope and cost and e<br>Equipment associated with this project will be provided from other appropriations |

|   |  |   | 2. DATE   |
|---|--|---|---|
| FY 20<br>MIL  | 17 GUARD AND RESERVE<br>LITARY CONSTRUCTION  |   | February 2016   |
| AND LOCATION  |  |   | 4. AREA CONSTR  |
| TIONAL AIRPORT, DULUTH  |  |   | 1.13  |
| ND TYPE OF UTILIZATION<br>assembly per month, One (1) s<br>GR force and for training and al | split unit training assembly per month<br>lert.  | i, 15 days annual field   | training per year, daily  |
| /GUARD/RESERVE INSTALLA<br>al Guard Armories and two Army                                   | TIONS WITHIN 15 MILES RADIUS<br>y Reserve units.   |   |   |
| QUESTED IN THIS PROGRAM   |  |   |   |
|   | SCODE  |   | ESIGN STATUS  |
| PROJECT TITLE   | 2 102 SM (22 600 SE)   | <u>\$(000)</u>  | <u>COMPLETE</u>   |
| /E FORCES FACILITIES BOAR<br>endations are: Unilateral Const                                | RD RECOMMENDATION  | <u>16 Ma</u>  | a <u>r 15</u>   |
|   |  | (Da   | te)   |
|   |  | Ν   | lone  |
|   |  | (Number   | of Acres)   |
| ANNED IN NEXT FOUR YEARS  | S  |   | COST  |
| PROJECT TITLE   |  | <u>SCOPE</u>  | <u>\$(000)</u>  |
| ert to Base Supply Warehouse  |  | 2,143 SM (23,0  | 072 SF) 4,000   |
| Unfunded Requirement: \$10,00   | 00,000   |   |   |
|   |  |   |   |
|   | FY 20         AND LOCATION         TIONAL AIRPORT, DULUTH         ND TYPE OF UTILIZATION         assembly per month, One (1):         GR force and for training and a         //GUARD/RESERVE INSTALLA         al Guard Armories and two Armores and two | FY 2017 GUARD AND RESERVE<br>MILITARY CONSTRUCTION           AND LOCATION           TIONAL AIRPORT, DULUTH           ND TYPE OF UTILIZATION           assembly per month, One (1) split unit training assembly per month<br>GR force and for training and alert.           //GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS<br>Il Guard Armories and two Army Reserve units.           DUESTED IN THIS PROGRAM           PROJECT TITLE         SCOPE           Crew Training/Weapon Shops         2,193 SM (23,600 SF)           //E FORCES FACILITIES BOARD RECOMMENDATION<br>andations are: Unilateral Construction Approved           TION REQUIRED           ANNED IN NEXT FOUR YEARS           PROJECT TITLE           ert to Base Supply Warehouse           Unfunded Requirement: \$10,000,000 | FY 2017 GUARD AND RESERVE<br>MILITARY CONSTRUCTION           AND LOCATION         TIONAL AIRPORT, DULUTH           ND TYPE OF UTILIZATION<br>assembly per month, One (1) split unit training assembly per month, 15 days annual field<br>GR force and for training and aler.         //////////////////////////////////// |

| 1. COMPONENT<br>ANG   | FY 2017 GUARD AND RESERVE<br>MILITARY CONSTRUCTION  |               |                 |                 |   | 2. DATE<br>February 2016  |  |  |
|---|---|---------------|-----------------|-----------------|---|---|--|--|
| 3. INSTALLATION A   | ND LOCATION   |               |                 |                 |   |   |  |  |
| DULUTH INTERNATI  | onal Airport, Duli  | JTH           |                 |                 |   |   |  |  |
| 11. PERSONNEL STRENGTH AS OF 30 Apr 15  |   |               |                 |                 |   |   |  |  |
|   |   | PERMA         | NENT            |                 | GUARD/F   | RD/RESERVE  |  |  |
|   | <u>TOTAL</u> O  | <u>FFICER</u> | <u>ENLISTED</u> | <u>CIVILIAN</u> | <u>TOTAL</u> OF   | FICER ENLISTED  |  |  |
| AUTHORIZED  | 399   | 36            | 335             | 28              | 981   | 104 877   |  |  |
| ACTUAL  | 406   | 34            | 348             | 24              | 1,004   | 116 888   |  |  |
| 12. RESERVE UNIT  | DATA  |               |                 |                 |   |   |  |  |
| UNIT DESI<br>148 Aircraft<br>148 Civil Er<br>148 Comm<br>148 Comptr<br>148 Force S<br>148 Fighter<br>148 Medica<br>148 Medica<br>148 Mainter<br>148 Mainter<br>148 Mainter<br>148 Operati<br>148 Operati<br>148 Studen<br>179 Fighter | GNATION<br>Maintenance Squadron<br>unication Flight<br>oller Flight<br>Support Squadron<br>Wing<br>cs Readiness Squadron<br>I Group<br>nance Operations Flight<br>o Support Group<br>nance Squadron<br>ions Group<br>ions Support Flight<br>y Forces Squadron<br>t Flight<br>Squadron | тот           | ĀLS             |                 | ST<br>AUTHORIZED<br>170<br>105<br>31<br>12<br>59<br>45<br>77<br>51<br>23<br>8<br>19<br>210<br>5<br>40<br>74<br>18<br><u>34</u><br>981 | ACTUAL         159         98         38         13         56         46         81         58         19         9         17         192         4         36         71         73         34         1,004 |  |  |
| 13. MAJOR EQUIPM<br>Total Vehicles<br>Vehicle Equivalents<br>F-16 Aircraft<br>Support Equipment   | ENT AND AIRCRAFT  |               |                 |                 | AUTHORIZED<br>130<br>366<br>18<br>241   | ACTUAL<br>130<br>383<br>22<br>241   |  |  |

| 1. COMPONENT  | FY 2017 MILITARY CONSTRUCTION PROJECT DATA2. DATE              |                           |              |          |              |           | DATE      |              |  |
|---|--|---------------------------|--------------|----------|--------------|-----------|-----------|--------------|--|
| (computer generated)  |  |                           |              |          | 2016         |           |           |              |  |
| ANG<br>3 INSTALLATION   |  | I OCATION                 |              | <u>4</u> | PROIFCT      | TITI F    | ret       | oruary 2016  |  |
| 5. INSTALLATION AND LOCATION  |  |                           |              | LOAD     | CREW TI      | RAINING   | WE        | APON         |  |
| DULUTH INTERNATIONAL AIRPORT, MINNESOTA   |  |                           |              |          | SHOPS        |           |           |              |  |
| 5. PROGRAM ELEM   | ENT  | 6. CATEGORY CODE          | 7. PROJEC    | T NUN    | <b>/</b> BER | 8. PROJ   | ECT       | COST(\$000)  |  |
| 5005 (5   |  | 015 550                   |              |          | 210          |           | <b>•-</b> | <00          |  |
| 52276F 215-552 FMI  |  |                           |              |          | )18          |           | \$7,600   |              |  |
|   |  | 9. COST                   | ESTIMATE     | S        | 1            |           |           |              |  |
|   |  | ITEM                      |              | UM       | OUANTT       | V COS     | Г         | COST         |  |
| MUNITIONS LOAD  | ILEM<br>MUNITIONS LOAD TRAINING/WEADONS DELEASE                |                           |              | SM       | 2 193        |           |           | (\$000)      |  |
| MUNITIONS LOAD TRAINING/WEAPONS RELEASE<br>MUNITIONS LOAD CREW TRAINING AREA (171875)                       |  |                           | (171875)     | SM       | 762          | 2.368     |           | (1.804)      |  |
| WEAPONS RELE  | ASE S  | SYSTEMS SHOP AREA (       | 215552)      | SM       | 1,431        | 2,314     |           | (3,311)      |  |
| SUPPORTING FAC  | ILITIE   | ES                        |              | LS       |              |           |           | 1,534        |  |
| UTILITIES   |  |                           |              | LS       |              |           |           | ( 210)       |  |
| PAVEMENTS   |  | _                         |              | LS       |              |           |           | ( 370)       |  |
| SITE IMPROVEM   | IENTS  |                           |              |          |              |           |           | ( 200)       |  |
| DEMOLITION/A  | ON2 2  | OPPORI                    |              | LS       | 1 021        | 1         | 61        | (90)         |  |
| FIRE SUPPRESSI  | ON SI  | I DS KENIO VAL            |              | LS       | 1,021        |           | 101       | (104)        |  |
| SUSTAINABILITY  | AND  | ENERGY MEASURES           |              | LS       |              |           |           | 160          |  |
| SUBTOTAL  |  |                           |              |          |              |           |           | 6,810        |  |
| CONTINGENCY (59   | %)   |                           |              |          |              |           |           | 341          |  |
| TOTAL CONTRACT  | T COS  |                           | (0)          |          |              |           |           | 7,151        |  |
| SUPERVISION, INS  | PECI   | ION AND OVERHEAD (        | 6%)          |          |              |           |           | 429          |  |
| TOTAL REQUEST   | POIN   |                           |              |          |              |           |           | 7,580        |  |
| IOTAL REQUEST (   | (KOUI  |                           |              |          |              |           |           | 7,000        |  |
| 10. Description of  | Propo  | sed Construction: Cons    | truct an AN  | G Loa    | ad Crew T    | raining a | nd W      | Veapons      |  |
| Release facility utilizing conventional design and construction methods to accommodate the mission of       |  |                           |              |          |              |           |           |              |  |
| the facility. Facility shall be designed as permanent construction in accordance with the DOD Unified       |  |                           |              |          |              |           |           |              |  |
| Facilities Criteria.  | Гhe fa   | cility should be compati  | ble with app | plicabl  | e DoD, A     | ir Force, | and       | base design  |  |
| standards. In addition  | on, lo   | cal materials and constru | ction techn  | iques    | shall be us  | sed where | cos       | t effective. |  |
| This project will comply with DoD antiterrorism/force protection requirements per unified facilities        |  |                           |              |          |              |           |           |              |  |
| criteria. Provide access pavements, aircraft apron, utilities and supporting site work. Demolish            |  |                           |              |          |              |           |           |              |  |
| building and landscape the sites.   |  |                           |              |          |              |           |           |              |  |
| Air Conditioning: 462 KW.   |  |                           |              |          |              |           |           |              |  |
| II. REQUIREMEN  | 11. REQUIREMENT: 2,109 SM ADEQUATE: 0 SM SUBSTANDARD: 1,021 SM |                           |              |          |              |           |           |              |  |
| PROJECT: Munitions Load Training and Weapon Release Shop (Current Mission).                                 |  |                           |              |          |              |           |           |              |  |
| <u>REQUIREMENT</u> : The 148th Fighter Wing requires a property sized and configured munitions load         |  |                           |              |          |              |           |           |              |  |
| crew training facility and a weapons and release systems snop supporting 15-PAA F-16 aircraft. The          |  |                           |              |          |              |           |           |              |  |
| crew equipment personnel and workspace to maneuver safely and efficiently around aircraft during            |  |                           |              |          |              |           |           |              |  |
| load training operations. The space requirement includes a 20-person classroom and a loading                |  |                           |              |          |              |           |           |              |  |
| standardization office area. The weapons release systems shop provides space for the overhaul and           |  |                           |              |          |              |           |           |              |  |
| repair of fighter aircraft weapons release and gun systems that include. but are not limited to, bomb       |  |                           |              |          |              |           |           |              |  |
| racks, weapons pylons, ejection racks, aircraft gun systems, etc. The area must also provide shop and       |  |                           |              |          |              |           |           |              |  |
| tool space for the maintenance/upkeep of weapons loading tools and equipment, as well as dispatch to        |  |                           |              |          |              |           |           |              |  |
| the flight line. In addition, the facility requires space for gun and/or ejector unit cleaning, maintenance |  |                           |              |          |              |           |           |              |  |
| offices, a dispatch office, and bench stock, as well as storage space for test equipment, alternate         |  |                           |              |          |              |           |           |              |  |
| mission equipment (AME), spare gun systems, and mobility equipment.   |  |                           |              |          |              |           |           |              |  |
| CURRENT SITUATION: The Wing does not have a munitions loading crew training facility, which                 |  |                           |              |          |              |           |           |              |  |
| requires the training to be accomplished outside on the apron, weather permitting, in less than ideal       |  |                           |              |          |              |           |           |              |  |
|   |  |                           |              |          |              |           |           |              |  |

| 1. COMPONENT  | ONENT FY 2017 MILITARY CONSTRUCTION PROJECT DATA  |                           |                  |  |  |  |
|---|---|---------------------------|------------------|--|--|--|
| ANG   | ANG (computer generated)  |                           |                  |  |  |  |
| 3. INSTALLATION AND LOCATION  |   |                           |                  |  |  |  |
| DUI UTU INTEDNA   | TIONAL AIDDODT MININESOTA   |                           |                  |  |  |  |
| 5 PROJECT TITLE   | HONAL AIRPORT, MINNESOTA  | 7 PROF                    | FCT NUMBER       |  |  |  |
| J. FROJECT HILE /. FROJECT NUMBE  |   |                           |                  |  |  |  |
| LOAD CREW TRAIN   | FN  | FMKM089018                |                  |  |  |  |
| learning conditions. Training effort is impractical, unsafe and wasteful. The Wing's weapons and  |   |                           |                  |  |  |  |
| release systems sho   | release systems shop is drastically undersized and is poorly situated and requires co-location with the |                           |                  |  |  |  |
| munitions loading crew training facility. The shortage of space presents inefficient conditions in which  |   |                           |                  |  |  |  |
| to work. A lack of valuable mobility a  | storage space allows for a cramped working environme  | nt and subj<br>er degrade | and complicates  |  |  |  |
| maintenance operations  |   |                           |                  |  |  |  |
| IMPACT IF NOT I   | IMPACT IF NOT PROVIDED: Accept risk to mission training due to lack of facility for training.           |                           |                  |  |  |  |
| Lack of operational   | training facilities could result in the unit being unable   | to respond f              | fully to an      |  |  |  |
| operational situatio  | n, as well as a serious deficiency to the unit's ability to   | operate in a              | i contingency    |  |  |  |
| situation. Operatio   | ns continue to be performed under conditions that make  | it very diff              | ficult to comply |  |  |  |
| within prescribed s   | afety regulations and procedures. This increases the ris  | k of a misha              | ap causing       |  |  |  |
| narm/injury to pers   | onnel and facilities. The weapons and Release System  | s Shop s lac              | ck of adequate   |  |  |  |
| to injury and damage  | The indirect aprop access continues to delay and de   | grade main                | tenance          |  |  |  |
| operations and capa   | ability.  |                           | tenance          |  |  |  |
| ADDITIONAL: This project meets the criteria/scope specified in Air National Guard Handbook 32-  |   |                           |                  |  |  |  |
| 1084, "Facility Requirements" and is in compliance with the base master plan. Antiterrorism/Force   |   |                           |                  |  |  |  |
| Protection requirements have been considered in the development of this project. These facilities are   |   |                           |                  |  |  |  |
| "inhabited" buildin   | gs and meet the standoff distance requirements. There   | is minimal                | threat and the   |  |  |  |
| level of protection is low so minimum construction standards have been applied. This facility can be  |   |                           |                  |  |  |  |
| used by other components on an "as available" basis; however, the scope of the project is based on Air  |   |                           |                  |  |  |  |
| National Guard requirements. Sustainable principles, to include Life Cycle cost effective practices, will be integrated into the design, development and construction of the project in accordance with |   |                           |                  |  |  |  |
| Executive Order 13423 10 USC 2802(c) and other applicable laws and Executive Orders. This project   |   |                           |                  |  |  |  |
| will result in the demolition of building 219 at 10.986 SF.   |   |                           |                  |  |  |  |
|   |   |                           |                  |  |  |  |
|   |   |                           |                  |  |  |  |
| CatCode   | Requirement   | Adequate                  | Substandard      |  |  |  |
| 171-875 MUNI  | FIONS LOAD CREW TRAINING 7/1 SM   | 0 SM                      | 0 SM             |  |  |  |
| 215-552 WEAP  | UNS & RELEASE SYSTEMS SHOP 1,338 SM   | 0 SM                      | 1,021 SM         |  |  |  |
|   |   |                           |                  |  |  |  |
| MUNITIONS LOAD CREW TRAINING AREA (171875)762 SM = 8,200 SF   |   |                           |                  |  |  |  |
| WEAPONS RELE  | WEAPONS RELEASE SYSTEMS SHOP AREA (215552)1,431 SM = 15,400 SF  |                           |                  |  |  |  |
| DEMOLITION/ASBESTOS REMOVAL 1,021 SM = 10,986 SF  |   |                           |                  |  |  |  |
|   |   |                           |                  |  |  |  |
|   |   |                           |                  |  |  |  |
|   |   |                           |                  |  |  |  |
| 1. C  | OMPONENT                                     | FY 2017 MILITARY CONSTRUCTION PROJECT DA   | TA        | 2. DATE         |
|-------|--|--|-----------|-----------------|
|       |  | (computer generated)   |           |                 |
|       | ANG  |  |           | February 2016   |
| 3. IN | STALLATION                                   | AND LOCATION   |           |                 |
| DUL   | UTHINTERNA                                   | HUNAL AIKPORT, MINNESUTA   |           |                 |
| 5 PR  | OIECT TITI E                                 |  | 7 PROIE   | CT NUMBER       |
| LOA   | D CREW TRAIN                                 | NING/WEAPON SHOPS  | /. I KOJI |                 |
|       |  |  | FN        | IKM089018       |
|       |  |  |           |                 |
| 12.   | SUPPLEMENT                                   | `AL DATA:  |           |                 |
|       |  |  |           |                 |
| a.    | Estimated Desig                              | gn Data:   |           |                 |
|       | (1) 0  |  |           |                 |
|       | (1) Status:                                  | Nacion Stantad   |           | <u>ии 201</u> 4 |
|       | (a) Date D<br>(b) Parame                     | Resign Staticu   |           | JUL 2014<br>No  |
|       | (c) Percent                                  | t Complete as of Ian 2016  |           | 60%             |
|       | * (d) Date 34                                | 5% Designed  |           | MAY 2015        |
|       | (e) Date D                                   | Pro Designed   |           | SEP 2016        |
|       | (f) Type of                                  | f Design Contract  |           | <b>5LI 2010</b> |
|       | (g) Energy                                   | v Study/Life-Cycle analysis was/will be performed  |           | No              |
|       | (8) 200085                                   | Study/Ene Cycle unurysis was will be performed   |           | 110             |
|       | (2) Basis:                                   |  |           |                 |
|       | (a) Standar                                  | rd or Definitive Design -  |           | No              |
|       | (b) Where                                    | Design Was Most Recently Used -  |           |                 |
|       |  |  |           |                 |
|       | (3) Total Cost (                             | (c) = (a) + (b)  or  (d) + (e):  |           | (\$000)         |
|       | (a) Produc                                   | tion of Plans and Specifications   |           | 617             |
|       | (b) All Oth                                  | ner Design Costs   |           | 50              |
|       | (c) Total                                    |  |           | 668             |
|       | (d) Contra                                   | ct   |           | 668             |
|       | (e) In-Hou                                   | se   |           |                 |
|       | (4) Contract As                              | ward (Month/Vear)  |           | NOV 2016        |
|       | (4) Contract 73                              |  |           | NOV 2010        |
|       | (5) Constructio                              | n Start  |           | MAR 2017        |
|       |  |  |           |                 |
|       | (6) Constructio                              | n Completion   |           | JUN 2018        |
|       |  | -  |           |                 |
|       | * Indicates                                  | completion of Project Definition with Parametric Cost Estimate   | which     |                 |
|       | is comparal                                  | ble to traditional 35% design to ensure valid scope and cost and   | executabi | lity.           |
| 1,    | <b>•</b> • • • • • • • • • • • • • • • • • • | the first of the state of the s |           | <b>N</b> T / A  |
| b.    | Equipment assoc                              | lated with this project will be provided from other appropriation  | 18:       | N/A             |
|       |  |  |           |                 |
|       |  |  |           |                 |
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|       |  |  |           |                 |
| PO    | INT OF CONTA                                 | CT: NGB/A7AD   |           |                 |
|       |  | (240) 612-4498   |           |                 |

| 1. COMPON   | IENT                              | EV 004  |  |                         |                                 | 2. DAT                      | E                                   |
|---|-----------------------------------|---|--|-------------------------|---------------------------------|-----------------------------|-------------------------------------|
| ANG   |                                   | FY 201<br>MILI  | 7 GUARD AND R<br>TARY CONSTRU                    | CTION                   |                                 | Februa                      | ry 2016                             |
| 3. INSTALLA   | ATION AI                          | ND LOCATION   |  |                         |                                 | 4. ARE                      |                                     |
| PEASE INTE  | RNATIO                            | NAL TRADEPORT ANG, POF  | RTSMOUTH   |                         |                                 |                             | 1.07                                |
| 5. FREQUE<br>Daily use by<br>Assembly we  | NCY ANE<br>Technicia<br>eekends e | D TYPE OF UTILIZATION<br>an, AGR, Active Duty force for i<br>each month, 15 Annual Training | mission and base opera<br>g days per year per me | ation, Unit Tr<br>mber. | aining Assembly and             | d Secondar                  | ry Unit Training                    |
| 6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS<br>One (1) Naval Shipyard, one (1) Army Reserve RC, Three (3) National Guard RCs, One (1) Coast Guard facility |                                   |   |  |                         |                                 |                             |                                     |
| 7. PROJECT  | TS REQU                           | ESTED IN THIS PROGRAM   |  |                         |                                 |                             |                                     |
| CATEGORY<br><u>CODE</u><br>171-212  | KC-46A                            | PROJECT TITLE<br>Install Fuselage Trainer Bldg 2  | <u>SCOPE</u><br>251 2,788 SM (3                  | 30,007 SF)              | COST<br><u>\$(000)</u><br>1,500 | DESIGN S<br>START<br>Aug 13 | <u>STATUS</u><br>COMPLETE<br>Sep 14 |
| 8. STATE RI<br>The Board re   | ESERVE                            | FORCES FACILITIES BOARE<br>dations are: Unilateral Constru                                  | D RECOMMENDATION                                 | I                       | <u>20 M</u><br>(D               | <u>May 15</u><br>Date)      |                                     |
| 9. LAND AC  | QUISITIC                          | ON REQUIRED   |  |                         |                                 | None                        | _                                   |
| 40.000.000  |                                   |   |  |                         | (Numbe                          | r of Acres)                 |                                     |
| CATEGORY<br>CODE  | IS PLAN                           | PROJECT TITLE   |  |                         | <u>SCOPE</u>                    |                             | COST<br><u>\$(000)</u>              |
| 179-475   | Indoor                            | Small Arms Range  |  |                         | 21 FP (21 FP                    | <b>'</b> )                  | 8,200                               |
|   | R&M U                             | nfunded Requirement: \$58,549   | 9,000  |                         |                                 |                             |                                     |
|   |                                   |   |  |                         |                                 |                             |                                     |

| 1. COMPONENT<br>ANG        |                            | 2.<br>Fel | 2. DATE<br>February 2016 |                 |              |          |                 |
|----------------------------|----------------------------|-----------|--------------------------|-----------------|--------------|----------|-----------------|
| 3. INSTALLATION A          | ND LOCATION                |           |                          |                 |              |          |                 |
| PEASE INTERNATIO           | ONAL TRADEPORT AN          | G, PORTSI | MOUTH                    |                 |              |          |                 |
| 11. PERSONNEL ST           | FRENGTH AS OF 29 Ma        | ay 15     |                          |                 |              |          |                 |
|                            |                            | PERMA     | NENT                     |                 | GUA          | RD/RESER | RVE             |
|                            | TOTAL C                    | DFFICER   | ENLISTED                 | <u>CIVILIAN</u> | <u>TOTAL</u> | OFFICER  | <u>ENLISTED</u> |
| AUTHORIZED                 | 480                        | 38        | 223                      | 219             | 1,021        | 158      | 863             |
| ACTUAL                     | 480                        | 38        | 223                      | 219             | 1,131        | 175      | 956             |
| 12. RESERVE UNIT           | DATA                       |           |                          |                 |              |          |                 |
|                            |                            |           |                          |                 |              | STRENG   | TH              |
| UNIT DESI                  | GNATION<br>Joling Squadron |           |                          |                 | AUTHORIZED   |          | ACTUAL          |
| 133 Air Rei                | fueling Squadron           |           |                          |                 | 50           |          | 68              |
| 157 Aircraf                | t Maintenance Squadror     | ı         |                          |                 | 66           |          | 64              |
| 157 Air Rei<br>157 Civil F | rueling Wing               |           |                          |                 | 49<br>91     |          | 49<br>104       |
| 157 Comm                   | unication Flight           |           |                          |                 | 32           |          | 33              |
| 157 Compt                  | roller Flight              |           |                          |                 | 12           |          | 12              |
| 157 HQ AN                  | IG                         |           |                          |                 | 40<br>35     |          | 48<br>37        |
| 157 Logisti                | cs Readiness Squadron      |           |                          |                 | 107          |          | 120             |
| 157 Medica<br>157 Mainte   | nance Operations Flight    |           |                          |                 | 98<br>21     |          | 99<br>21        |
| 157 Missio                 | n Support Group            |           |                          |                 | 8            |          | 12              |
| 157 Mainte<br>157 Mainte   | nance Group                |           |                          |                 | 16<br>158    |          | 15<br>171       |
| 157 Operat                 | tions Flight               |           |                          |                 | 42           |          | 48              |
| 157 Operat                 | tions Group                |           |                          |                 | 11           |          | 12              |
| 157 Studer                 | nt Flight                  |           |                          |                 | 20           |          | 62              |
| 260 Air Tra                | ffic Control Squadron      | то        |                          |                 | 90           |          | 101             |
|                            |                            | 10        | IALS                     |                 | 1,147        |          | 1,279           |
|                            |                            |           |                          |                 |              |          |                 |
| 13. MAJOR EQUIPM           | IENT AND AIRCRAFT          |           |                          |                 |              |          |                 |
| <u>1</u>                   | YPE                        |           |                          |                 | AUTHORIZED   |          | ACTUAL          |
| KC-135R Aircraft           |                            |           |                          |                 | 8<br>619     |          | 9<br>607        |
| Vehicles                   |                            |           |                          |                 | 162          |          | 155             |
|                            |                            |           |                          |                 |              |          |                 |
|                            |                            |           |                          |                 |              |          |                 |
|                            |                            |           |                          |                 |              |          |                 |
|                            |                            |           |                          |                 |              |          |                 |
|                            |                            |           |                          |                 |              |          |                 |
|                            |                            |           |                          |                 |              |          |                 |
|                            |                            |           |                          |                 |              |          |                 |
|                            |                            |           |                          |                 |              |          |                 |
|                            |                            |           |                          |                 |              |          |                 |
|                            |                            |           |                          |                 |              |          |                 |
|                            |                            |           |                          |                 |              |          |                 |
|                            |                            |           |                          |                 |              |          |                 |
|                            |                            |           |                          |                 |              |          |                 |
|                            |                            |           |                          |                 |              |          |                 |
|                            |                            |           |                          |                 |              |          |                 |

| 1. COMPONENT   |               | FY 2017 MILITARY CO        | NSTRUCTIO             | )N PR                           | OJECT DA     | ЛТА   | 2.            | DATE            |
|--|---------------|----------------------------|-----------------------|---------------------------------|--------------|---|---------------|-----------------|
| ANC  |               | (comp                      | uter generate         | d)                              |              |   | Eak           | 2016            |
| ANG<br>3 INSTALLATION A  | ND            | OCATION                    |                       | 4 PROJECT TITLE                 |              |   |               |                 |
| PEASE INTERNATIO   | NAL           | TRADEPORT ANG, NE          | W                     | KC-46A INSTALL FUSELAGE TRAINER |              |   |               |                 |
| HAMPSHIRE  |               |                            |                       | BLDG 251                        |              |   |               |                 |
| 5. PROGRAM ELEME   | ENT           | 6. CATEGORY CODE           | 7. PROJEC             | T NUN                           | <b>ABER</b>  | 8. PROJ   | ECT           | COST(\$000)     |
| 51413F   |               | 171-212                    | SZC                   | Q1399                           | 02           |   | \$1,          | 500             |
|  |               | 9. COST                    | ESTIMATE              | S                               |              |   |               |                 |
|  |               |                            |                       |                                 |              | UNI   | Т             | COST            |
|  |               | ITEM                       |                       | U/M                             | QUANTIT      | Y COS   | Т             | (\$000)         |
| FUSELAGE TRAINE  | R             |                            |                       | SM                              | 2,788        |   | 174           | 1,322           |
| ALTER SPACE FOR FUSELAGE TRAINER<br>SUSTAINABILITY AND ENERGY MEASURES |               |                            |                       |                                 | 2,788        | 2   | +/4           | (1,322)         |
| SUBTOTAL   |               | LIVEROT MEASURES           |                       | LS                              |              |   |               | 1.344           |
| <b>CONTINGENCY (5%</b>   | )             |                            |                       |                                 |              |   |               | 67              |
| TOTAL CONTRACT   | COS           | Т                          |                       |                                 |              |   |               | 1,411           |
| SUPERVISION, INSP  | PECT          | ION AND OVERHEAD (         | 6%)                   |                                 |              |   |               | 84              |
| TOTAL REQUEST  |               |                            |                       |                                 |              |   |               | 1,495           |
| TOTAL REQUEST (F   | (001          | (DLD)                      |                       |                                 |              |   |               | 1,500           |
| 10. Description of P   | ropo          | sed Construction: Alter    | and repair            | existin                         | ig hangar    | to suppor   | t a K         | C-46            |
| fuselage training func   | ction         | utilizing conventional d   | lesign and c          | onstru                          | ction metl   | hods to ac  | com           | modate the      |
| mission of the facility  | y. Fa         | cilities will be designed  | as permane            | ent cor                         | struction    | in accord   | ance          | with the        |
| DoD Unified Facilitie  | es Cr         | iteria (UFC) 1-200-01, (   | General Bui           | lding                           | Requirem     | ents and $\begin{bmatrix} 1 \\ \cdot \end{bmatrix}$ | UFC           | 1-200-02.       |
| The facility should be   | e con         | npatible with applicable   | DoD, Air F            | orce, a                         | and base c   | lesign sta  | ndar          | ds. In          |
| will comply with Do  | ais a         | titerrorism/force protect  | ion require           | used v                          | vnere cosi   | d faciliti  | $\frac{1}{2}$ | iis project     |
| Special construction   | D all         | irements: Renair sunno     | rting utilitie        | s infr                          | astructure   | and nave  | es ci         | its Alter       |
| space for aircraft fuse  | elage         | trainer.                   | ting utilite          | 5, IIII                         | ustructure   | und puve  | 111011        | 1.5. 7 1101     |
| Air Conditioning: 52   | 5 KV          | V.                         |                       |                                 |              |   |               |                 |
| 11. REQUIREMEN   | T: 2          | ,788 SM ADEQUATI           | E: 0 SM S             | SUBS                            | ΓANDAR       | D: 2,788  | SM            |                 |
| PROJECT: KC-46A  | Inst          | tall Fuselage Trainer (N   | ew Mission            | ).                              |              |   |               |                 |
| REQUIREMENT: A   | An ac         | lequate facility properly  | sized and c           | onfigu                          | ired to ho   | use the K   | C-46          | 6A fuselage     |
| trainer. The AF has  | desig         | gnated Pease ANGB an       | operational           | base f                          | or the first | t Air Nati  | onal          | Guard KC-       |
| 46A tanker aircraft s  | quad          | ron beddown. The first     | aircraft are          | expect                          | ed to be d   | elivered i  | n the         | e first quarter |
| of FY18 and the fuse   | elage         | trainer itself will be del | ivered in the         | e seco                          | nd quarter   | of FY18   | . Th          | le fuselage     |
| The facility should b  |               | cargo nanoning and load    | master part           | -lask l                         | raining re   | quiermen  | its to        | be fully met.   |
| CURRENT SITUAT   | TION          | • The KC-46A is a new      | y of the fus          | misitio                         | on renlaci   | ng the K(   | 7-134         | 5 Additional    |
| part-task training equ   | uipm          | ent items are required th  | at did not e          | xist fo                         | r the KC-    | 135 missi   | on.           | Existing        |
| facilities are not adec  | quate         | ely configured for the ne  | w training c          | ompo                            | nents and    | must be o   | conv          | erted for the   |
| new function.  | •             |                            | C C                   | •                               |              |   |               |                 |
| IMPACT IF NOT PI   | ROV           | IDED: Cost and time to     | o conduct re          | quired                          | l training o | of KC-46  | load          | crews and       |
| loadmasters will incr  | rease         | . Aircrews will require    | travel to oth         | er ins                          | tallations   | to conduc   | t tra         | ining. The      |
| lack of adequate train   | ning          | facilities increase the po | otential for s        | ignific                         | cant degra   | dation of   | miss          | sion readiness  |
| and performance. If  | here          | are no other facilities or | cost-effecti          | ve wo                           | the Air E    | available   | e to a        |                 |
| store and/or re-direct   | uppo<br>t the | fuselage trainer equipme   | .110ut 1115 1a<br>2nt | cinty,                          | ule All Po   |   | ncui          |                 |
| ADDITIONAL • Thi   | is nro        | piect meets the criteria/s | cone snecifi          | ed in                           | Air Force    | Handboo   | k 32          | -1084           |
| "Facility Requirement  | nts" a        | and the KC-46A Facility    | Requireme             | nts Pl                          | an. Sustai   | inable pri  | ncip          | les will be     |
| integrated into design   | n, de         | velopment, and construct   | ction of the          | projec                          | t in accord  | lance wit   | h Ex          | ecutive Order   |
| 13423, 10 USC 2802   | 2 (c),        | and other applicable law   | vs and Exec           | utive                           | orders. Th   | is space of   | can t         | be used by      |
|  |               |                            |                       |                                 |              |   |               |                 |

| 1. COMPONENT                                     |                                |                               |               | 2. DATE       |  |  |  |
|--|--------------------------------|-------------------------------|---------------|---------------|--|--|--|
| ANC  | FY 2017 MILITARY CO            | NSTRUCTION PROJECT D          | ATA           | Eshmiomi 2016 |  |  |  |
| ANG<br>3 INSTALLATION                            | AND LOCATION (COMP             | uter generated)               |               | February 2016 |  |  |  |
|  |                                |                               |               |               |  |  |  |
| PEASE INTERNATIONAL TRADEPORT ANG, NEW HAMPSHIRE |                                |                               |               |               |  |  |  |
| 5. PROJECT TITLE                                 |                                |                               | 7. PROJE      | ECT NUMBER    |  |  |  |
| KC-46A INSTALL F                                 | USELAGE TRAINER BLDG 25        | 51                            | SZ            | 2CQ139902     |  |  |  |
| other airframes on a                             | an as "available basis"; howev | ver, the scope of the project | t is based of | n Air Force   |  |  |  |
| requirements.                                    |                                |                               |               |               |  |  |  |
|  |                                |                               |               |               |  |  |  |
|  |                                |                               |               |               |  |  |  |
| CatCode  |                                | Requirement                   | Adequate      | Substandard   |  |  |  |
| 171-212 FLGH                                     | Γ SIMULATOR TRAINING           | 2,788 SM                      | 0 SM          | 2,788 SM      |  |  |  |
|  |                                |                               |               |               |  |  |  |
| ALTER SPACE FO                                   | OR FUSELAGE TRAINER            | 2.788 SM = 30.007 SF          |               |               |  |  |  |
|  |                                | _,,                           |               |               |  |  |  |
|  |                                |                               |               |               |  |  |  |
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|  |                                |                               |               |               |  |  |  |
|  |                                |                               |               |               |  |  |  |

| 1. C  | OMPONENT                   | FY 2017 MILIT   | TARY CONSTRUCTIO                                    | N PROJECT DATA                                | A 2. DATE              |
|-------|----------------------------|---|---|---|------------------------|
|       | ANG                        |   | (computer generated                                 | d)  | February 2016          |
| 3. IN | ISTALLATION .              | AND LOCATION  |   |   |                        |
| PEA   | SE INTERNATIO              | ONAL TRADEPORT  | ANG, NEW HAMPSH                                     | IRE   |                        |
| 5. PR | OJECT TITLE                |   |   | 7.  | PROJECT NUMBER         |
| KC-4  | 6A INSTALL FU              | USELAGE TRAINER   | BLDG 251  |   | \$700120002            |
|       |                            |   |   |   | SZCQ139902             |
| 12.   | SUPPLEMENT                 | 'AL DATA:   |   |   |                        |
| a.    | Estimated Desig            | gn Data:  |   |   |                        |
|       | (1) Status:                |   |   |   |                        |
|       | (a) Date D                 | esign Started   |   |   | AUG 2013               |
|       | (b) Parame                 | etric Cost Estimates us   | ed to develop costs                                 |   | YES                    |
|       | (c) Percent                | Complete as of Jan 20   | 016   |   | 100%                   |
|       | * (d) Date 35              | 0% Designed   |   |   | APK 2014               |
|       | (e) Date De                | esign Complete  |   |   | SEP 2014               |
|       | (I) Type of<br>(g) Enorgy  | Design Contract   | lucie was/will be parfor                            | mod   | VES                    |
|       | (g) Energy                 | Study/Life-Cycle ana  | iysis was/will be perior                            | meu   | 1 ES                   |
|       | (2) Basis:                 |   |   |   |                        |
|       | (a) Standar                | rd or Definitive Desigr   | 1 -   |   | No                     |
|       | (b) Where                  | Design Was Most Rec   | cently Used -                                       |   |                        |
|       | (3) Total Cost (           | f(c) = (a) + (b)  or  (d) + (b) = (a) + (b) | (e):  |   | (\$000)                |
|       | (a) Product                | tion of Plans and Spec  | ifications  |   | 20                     |
|       | (b) All Oth                | her Design Costs  | incurons  |   | 100                    |
|       | (c) Total                  | 8   |   |   | 120                    |
|       | (d) Contrac                | ct  |   |   | 120                    |
|       | (e) In-Hou                 | se  |   |   |                        |
|       | (4) Contract Av            | ward (Month/Year)   |   |   | OCT 2016               |
|       | (5) Constructio            | n Start   |   |   | DEC 2016               |
|       | (6) Constructio            | n Completion  |   |   | JAN 2018               |
|       | * Indicates<br>is comparal | completion of Project<br>ble to traditional 35%   | Definition with Parame<br>design to ensure valid se | etric Cost Estimate w<br>cope and cost and ex | vhich<br>cecutability. |
| b.    | Equipment assoc            | iated with this project   | will be provided from o                             | other appropriations:                         |                        |
| EQ    | UIPMENT NOM                | IENNCLATURE   | PROCURING<br>APPROPRIATION                          | FISCAL YEAH<br>OF APPROPRIAT                  | R COST<br>TON (\$000)  |
| VC    | N 46 A Engelage T          | ·   | 2010  | 16  | ( 500                  |
| ĸĊ    | -40A Fuselage 1            | Tamer   | 5010  | 10  | 0,500                  |
| PO    | INT OF CONTA               | CT: NGB/A7AD<br>(240) 612-4498  |   |   |                        |

| 1. COMPONENT   | EX 2017 CU   |   |  | 2. DATE                        |  |  |  |  |  |
|--|--|---|--|--------------------------------|--|--|--|--|--|
| ANG  | MILITARY   | CONSTRUCTION  | VE   | February 2016                  |  |  |  |  |  |
| 3. INSTALLATION  | AND LOCATION   |   |  | 4. AREA CONSTR                 |  |  |  |  |  |
| CHARLOTTE/DOU  | GLAS INTERNATIONAL AIRPORT, CH   | IARLOTTE  |  | .83                            |  |  |  |  |  |
| 5. FREQUENCY A<br>Daily operations, ma<br>by full-time technicia | ND TYPE OF UTILIZATION<br>aintenance and training. Two unit trainir<br>ans/AGR force for training and amintena | ng assemblies per month<br>ince of assigned aircraft, | n, 15 days annual field trai<br>facilities, and equipment. | ning per year, daily use       |  |  |  |  |  |
|  |  |   | 118  |                                |  |  |  |  |  |
| 1 Army National Gu   | 1 Army National Guard, 1 Army Reserve, 1 Navy Reserve  |   |  |                                |  |  |  |  |  |
| 7. PROJECTS REC  | QUESTED IN THIS PROGRAM  |   |  |                                |  |  |  |  |  |
| CATEGORY   |  | 00005   | COST <u>I</u>  | DESIGN STATUS                  |  |  |  |  |  |
| <u>CODE</u>  | PROJECT TITLE  | <u>SCOPE</u>  | <u>\$(000)</u>   | START COMPLETE                 |  |  |  |  |  |
| 211-179 C-17 C<br>124-135 C-17 T                                 | Type III Hydrant Refueling System  | 6,596 SM<br>1,192 M3                                  | \$29,600<br>\$21,000                                       | Jan 16 Dec 16<br>Jan 16 Dec 16 |  |  |  |  |  |
| 8. STATE RESERV<br>The Board recomme                             | /E FORCES FACILITIES BOARD RECO  | DMMENDATION   | <u>28 M</u><br>(Da   | <u>ay 15</u><br>ite)           |  |  |  |  |  |
| 9. LAND ACQUISIT   | TION REQUIRED  |   | (Number  | None<br>of Acres)              |  |  |  |  |  |
| 10. PROJECTS PL  | ANNED IN NEXT FOUR YEARS   |   |  |                                |  |  |  |  |  |
| CATEGORY<br><u>CODE</u>  | PROJECT TITLE  |   | SCOPE  | COST<br><u>\$(000)</u>         |  |  |  |  |  |
| 171-445 Opera  | ations and Training Facility   |   | 1,988 SM (21,  | 400 SF) 6,600                  |  |  |  |  |  |
| R&M  | Unfunded Requirement: \$4,702,000  |   |  |                                |  |  |  |  |  |
|  |  |   |  |                                |  |  |  |  |  |

| 1. COMPONENT<br>ANG                 |   | FY 2017 (<br>MILITA | GUARD ANI | D RESERVE       | E                       | 2. DA<br>Februa | TE<br>ary 2016 |  |
|-------------------------------------|---|---------------------|-----------|-----------------|-------------------------|-----------------|----------------|--|
| 3. INSTALLATION A                   | ND LOCATION                               |                     |           |                 |                         |                 |                |  |
| CHARLOTTE/DOUG                      | LAS INTERNATIONA                          | L AIRPORT,          | CHARLOTTE |                 |                         |                 |                |  |
| 11. PERSONNEL S                     | TRENGTH AS OF 03 I                        | Feb 15              |           |                 |                         |                 |                |  |
|                                     |   | PERMA               | NENT      |                 | GUARI                   | D/RESERVE       |                |  |
|                                     | TOTAL                                     | OFFICER             | ENLISTED  | <u>CIVILIAN</u> | TOTAL                   | OFFICER         | ENLISTED       |  |
| AUTHORIZED                          | 312                                       | 48                  | 260       | 4               | 1,102                   | 202             | 900            |  |
| ACTUAL                              | 290                                       | 41                  | 245       | 4               | 1,146                   | 212             | 934            |  |
| 12. RESERVE UNIT DATA               |   |                     |           |                 |                         |                 |                |  |
|                                     |   |                     |           |                 |                         | STRENGTH        |                |  |
| UNIT DES<br>145 Airlift \           | I <u>GNATION</u><br>Ving                  |                     |           |                 | AUTHORIZED<br>44        |                 | ACTUAL<br>46   |  |
| 145 Civil E                         | ngineering Squadron                       |                     |           |                 | 107                     |                 | 121            |  |
| 145 Comm                            | unication Flight                          |                     |           |                 | 31                      |                 | 35             |  |
| 145 Comp<br>145 DET1                | lioner Flight                             |                     |           |                 | 12                      |                 | 1              |  |
| 145 Force                           | Support Squadron                          |                     |           |                 | 53                      |                 | 59             |  |
| 145 HQNC<br>145 Logisti             | :<br>ics Readiness Squadro                | on                  |           |                 | 23<br>122               |                 | 25<br>130      |  |
| 145 Medica                          | al Group                                  |                     |           |                 | 71                      |                 | 76             |  |
| 145 Mainte<br>145 Missio            | enance Operations Flig<br>n Support Group | Int                 |           |                 | 21<br>8                 |                 | 21<br>7        |  |
| 145 Mainte                          | enance Group                              |                     |           |                 | 12                      |                 | 11             |  |
| 145 Mainte                          | enance Squadron                           |                     |           |                 | 156                     |                 | 150            |  |
| 145 Securi                          | ty Forces Squadron                        |                     |           |                 | 74                      |                 | 81             |  |
| 145 Studer                          | nt Flight                                 |                     |           |                 | 27                      |                 | 4              |  |
| 156 Aerom                           | edical Evacuation Squ                     | adron               |           |                 | 88                      |                 | 93             |  |
| 156 Aircraf                         | t Maintenance Squadr                      | on                  |           |                 | 68                      |                 | 68             |  |
| 245 Civil E                         | ngineering Flight                         |                     |           |                 | 40<br>25                |                 | 52<br>26       |  |
|                                     |   | TOT                 | TALS      |                 | 1,126                   |                 | 1,150          |  |
|                                     |   |                     |           |                 |                         |                 |                |  |
|                                     |   |                     |           |                 |                         |                 |                |  |
| Vehicles                            | <u>YPE</u>                                |                     |           |                 | <u>AUTHORIZED</u><br>98 |                 | 98             |  |
| Aviation Refuel Vehic               | cles                                      |                     |           |                 | 3                       |                 | 3              |  |
| C-130 Aircraft<br>Support Equipment |   |                     |           |                 | 10<br>195               |                 | 10<br>170      |  |
| Vehicle Equivalents                 |   |                     |           |                 | 327                     |                 | 327            |  |
|                                     |   |                     |           |                 |                         |                 |                |  |
|                                     |   |                     |           |                 |                         |                 |                |  |
|                                     |   |                     |           |                 |                         |                 |                |  |
|                                     |   |                     |           |                 |                         |                 |                |  |
|                                     |   |                     |           |                 |                         |                 |                |  |
|                                     |   |                     |           |                 |                         |                 |                |  |
|                                     |   |                     |           |                 |                         |                 |                |  |
|                                     |   |                     |           |                 |                         |                 |                |  |
|                                     |   |                     |           |                 |                         |                 |                |  |
|                                     |   |                     |           |                 |                         |                 |                |  |
|                                     |   |                     |           |                 |                         |                 |                |  |
|                                     |   |                     |           |                 |                         |                 |                |  |
|                                     |   |                     |           |                 |                         |                 |                |  |

| I   |   |                                |               |                  |                |             |   |                    |
|---|---|--------------------------------|---------------|------------------|----------------|-------------|---|--------------------|
| 1. COMPONENT     FY 2017 MILITARY CONSTRUCTION PROJECT DATA     2. DATE |   |                                |               |                  |                |             |   |                    |
|   |   | (comp                          | uter generate | ed)              |                |             | <b>F</b> 1                                    | 2016               |
| ANG   | February                                  |                                |               |                  |                | oruary 2016 |   |                    |
| 3. INSTALLATION   |   | LUCATION<br>INTERNATIONAL AIRE | ODT           | 4. PROJECT TITLE |                |             |   |                    |
| NORTH CAPOLINA  | LAS                                       | INTERNATIONAL AIRP             | ORI,          | CELL             | UKKUSIC        | JN CON I    | KUL   | /FUEL              |
| 5 DDOGDAM ELEM  | ENT                                       | 6 CATEGORY CODE                | 7 PROJEC      | T NI IN          | IANUAK<br>IRED |             | FCT   | COST(\$000)        |
| J. FROOKAWI ELEWI   | ROORAM ELEMENT 0. CATEGORT CODE 7. PROJEC |                                |               |                  |                | 0. F KOJ    | LUI   | COST(\$000)        |
| 54121F 211-179 F  |   |                                |               |                  | 52             |             | \$29  | 9 600              |
| 011211  |   | 0.000                          | ECTIMATE      |                  | -              | l           | φ <u>-</u> γ                                  | ,000               |
|   |   | 9.0031                         | ESTIMATE      | <u>່</u> ວ       |                | LINI        | IT  | COST               |
|   |   | ITEM                           |               | U/M              | OUANTE         |             | 11<br>3T                                      | (\$000)            |
| C-17 CORROSION (  | TNOT                                      | ROL HANGAR                     |               | SM               | 6 596          |             | <u>, , , , , , , , , , , , , , , , , , , </u> | (\$000)            |
| FUEL CELL HAN   | GAR                                       | /SHOPS (211179)                |               | SM               | 4 274          | 3           | 360   | (14399)            |
| CORROSION COL   | NTRO                                      | SHOPS (211159)                 |               | SM               | 743            | 3,<br>4     | 155   | (3087)             |
| COMPOSITE SHO   | P(2)                                      | (1159)                         |               | SM               | 650            | 2           | 831   | (1840)             |
| FLIGHT SIMULA   | TOR/                                      | TRAINING SPACES (17)           | 1-212)        | SM               | 929            | 2,          | 831   | (1,0+0)<br>(2,630) |
| SUPPORTING FACI   | LITH                                      | ES                             | 1 212)        | 5141             | )2)            | 2,          | 0.51  | 4 438              |
| SITE IMPROVEM   | ENT?                                      | S AND PAVEMENTS                |               | LS               |                |             |   | (1,001)            |
| FIRE PROTECTIO  | )N  |                                |               | LS               |                |             |   | (834)              |
| COMMUNICATIO  | ONS S                                     | SUPPORT                        |               | LS               |                |             |   | (300)              |
| UTILITIES   |   |                                |               | LS               |                |             |   | ( 800)             |
| PILE FOUNDATI   | ON  |                                |               | LS               |                |             |   | ( 450)             |
| ENVIRONMENT   | AL CO                                     | ONTROLS                        |               | LS               |                |             |   | (1,053)            |
| SUSTAINABILITY .  | AND                                       | EMERGY MEASURES                |               | LS               |                |             |   | 200                |
| SUBTOTAL  |   |                                |               |                  |                |             |   | 26,594             |
| CONTINGENCY (59   | %)  |                                |               |                  |                |             |   | 1,330              |
| TOTAL CONTRACT  | Г COS                                     | ST                             |               |                  |                |             |   | 27,924             |
| SUPERVISION, INS  | PECT                                      | ION AND OVERHEAD (             | (6%)          |                  |                |             |   | 1,675              |
| TOTAL REQUEST   |   |                                |               |                  |                |             |   | 29,599             |
| TOTAL REQUEST (   | ROU                                       | NDED)                          |               |                  |                |             |   | 29,600             |
|   | <b>_</b>                                  |                                |               | 11 /             |                |             |   | <u> </u>           |
| 10. Description of  | Prope                                     | sed Construction: Cons         | struct a fuel | cell/co          | prrosion co    | ontrol fac  | cility  | utilizing          |
| conventional design   | and c                                     | construction methods to        | accommoda     | te the           | mission o      | f the faci  | lity.   | Facilities         |
| will be designed as p   | perma                                     | ment construction in acc       | ordance wi    | th the l         | DoD Unif       | ied Facil   | ities   | Criteria           |
| (UFC) 1-200-01, Ge  | neral                                     | <b>Building Requirements</b>   | and UFC 1     | -200-0           | 2, High P      | erforman    | ice ai  | nd                 |
| Sustainable Building  | g Req                                     | uirements. The facility s      | should be co  | ompati           | ble with a     | pplicable   | : DoI   | ), Air Force,      |
| and base design stan  | dards                                     | 3. In addition, local mate     | rials and co  | nstruc           | tion techn     | iques sha   | all be  | used where         |
| cost effective. This p  | projec                                    | t will comply with DoD         | antiterroris  | sm/for           | ce protecti    | on requi    | reme  | nts per            |
| unified facilities crit   | eria.                                     | Special Construction red       | quirements:   | Secu             | re constru     | ction for   | fligh   | it simulator       |
| training.   |   |                                |               |                  |                |             |   |                    |
| Air Conditioning: 17  | 75 KV                                     | <i>N</i> .                     |               |                  |                |             |   |                    |
| 11. REQUIREMEN  | NT: 6                                     | 5,596 SM ADEQUAT               | E: 0 SM       | SUBS             | ΓANDAR         | D: 2,899    | 9 SM  | [                  |
| PROJECT: C-17 C   | orros                                     | ion Control/Fuel Cell H        | angar/Simu    | lator/S          | hops (Nev      | w Missio    | n).   |                    |
| <b>REOUIREMENT:</b>   | The 1                                     | 145th Airlift Wing is sch      | neduled to c  | onvert           | from C-1       | 30 to C-1   | 17 air  | rcraft in fiscal   |
| vear 2018. The bas  | e real                                    | uires an adequate facility     | v for C-17 c  | orrosio          | on control     | and fuel    | cell  | functions, as      |
| well as shop areas to   | 0 acc                                     | ommodate maintenance           | and training  | on co            | mposite n      | naterials   | and   | an area for        |
| flight crew simulate  | or trai                                   | ning. The C-17 aircraft        | has a 60-da   | v sche           | duled was      | h cycle r   | equi  | rement Its         |
| many exterior surfa   | ces a                                     | re comprised of composi        | ite material  | whice            | h require      | frequent    | mair  | itenance and       |
| snot nainting to pre-   | vent s                                    | structural damage To m         | rovide clim   | atic ter         | nperature      | control     | siinn   | ly hot water       |
| and control pollutor  | te ar                                     | enclosed facility is neo       | essary for w  | and tol          | the aircr      | aft and r   | perfo   | rming              |
| corrosion control an  | no, al                                    | intenance This facility        | must have     | asini<br>anffici | ont lightin    | α heatin    | g 1/0   | initiation fire    |
| CONVICTORION CONTROL AL   | iu illa                                   | inchance. This facility        | must nave i   | sumul            | , ni nghilli   | z, noaull   | <u> </u>                                      | minanon, me        |

protection/suppression, and environmental systems to effectively and safely support the mission. To provide the aircrews with necessary proficiency training the facility will provide an area to house a full motion flight simulator with the capability to handle secure information.

| 1 COMPONENT            |  |                            |             | 2 DATE             |  |  |  |  |  |
|------------------------|--|----------------------------|-------------|--------------------|--|--|--|--|--|
|                        | FY 2017 MILITARY CONST                             | RUCTION PROJECT DA         | ТА          | 2. DAIL            |  |  |  |  |  |
| ANG                    | (computer  | generated)                 |             | February 2016      |  |  |  |  |  |
| 3. INSTALLATION        | AND LOCATION                                       |                            |             |                    |  |  |  |  |  |
|                        |  |                            |             |                    |  |  |  |  |  |
| 5 PROJECT TITLE        | JLAS INTERNATIONAL AIRPOR                          | I, NORTH CAROLINA          | 7 PROIE     | CT NUMBER          |  |  |  |  |  |
| 5.1 ROJLET IIILL       |  |                            |             |                    |  |  |  |  |  |
| C-17 CORROSION C       | C-17 CORROSION CONTROL/FUEL CELL HANGAR FJRP159062 |                            |             |                    |  |  |  |  |  |
| CURRENT SITUA          | TION: The 145 AW does not have                     | ve a facility which can s  | upport the  | e full enclosure   |  |  |  |  |  |
| necessary for C-17     | corrosion control and fuel cell rec                | juirements. There are no   | o suitable  | workarounds.       |  |  |  |  |  |
| The C-17 aircraft h    | as many exterior surfaces which u                  | itilize composite materia  | als wherea  | as the C-130 does  |  |  |  |  |  |
| not have any. The      | 145 AW also does not have a con                    | ed aircraft maintenance    | facilities  | on base neither    |  |  |  |  |  |
| of which can be use    | ed for corrosion control on the C-1                | 17 One is the hangar w     | hich will   | be upgraded and    |  |  |  |  |  |
| reused as a hangar.    | The other facility is the fuel cell                | nose dock which would      | require e   | xtensive work,     |  |  |  |  |  |
| but could only be re   | eused as a partially-enclosed C-17                 | fuel cell. A new facility  | would se    | erve as both fuel  |  |  |  |  |  |
| cell and corrosion c   | control. A total of two covered sp                 | aces are required to supp  | port the C  | -17 maintenance    |  |  |  |  |  |
| requirement. The 1     | 45 AW does not have a simulator                    | facility or excess space   | that can    | be converted for   |  |  |  |  |  |
| that porpose. The t    | base has moderate soil conditions                  | and a steep elevation ch   | anges. Th   | ne proposed        |  |  |  |  |  |
| IMPACT IF NOT I        | PROVIDED: The C 17 Service I                       | ife Policy contract will l | be voided   | if the corrosion   |  |  |  |  |  |
| control and mainter    | ance requirements intended to be                   | performed in this proper   | osed facili | ty are not         |  |  |  |  |  |
| accomplished. The      | work cannot be performed outsid                    | le on the parking apron.   | Cleaning    | agents,            |  |  |  |  |  |
| corrosion treatment    | chemicals, and paint removers w                    | ould not be allowed to p   | properly c  | ure on the         |  |  |  |  |  |
| aircraft. Pollutants   | would not be properly captured a                   | nd controlled. Corrosio    | n control   | would have to be   |  |  |  |  |  |
| performed at anothe    | er site several hundred miles away                 | 7. This very costly work   | around v    | vill also          |  |  |  |  |  |
| negatively impact of   | operational training, and maintena                 | nce schedules. Accept r    | isk to airl | ift deployments    |  |  |  |  |  |
| and training operation | ons. Simulation training would re                  | equire costly and time co  | onsuming    | work-arounds by    |  |  |  |  |  |
| sending crews to all   | ime consuming work arounds by                      | sonding groups to alterna  | 1mulation   | training would     |  |  |  |  |  |
| Iackson Missission     | i to accomplished required profic                  | iencies                    |             | lis, such as       |  |  |  |  |  |
| ADDITIONAL: T          | his project meets the criteria/scop                | e specified in the AF Ha   | ndbook 3    | 2-1084, "Facility  |  |  |  |  |  |
| Requirements". Ar      | ntiterrorism/Force Protection requ                 | irements have been cons    | sidered in  | the development    |  |  |  |  |  |
| of this project. Thi   | s facility can be used by other cor                | nponents on an "as avail   | lable" bas  | is; however, the   |  |  |  |  |  |
| scope of the project   | is based on Air National Guard r                   | equirements. An econo      | mic analy   | sis is being       |  |  |  |  |  |
| prepared comparing     | g the alternatives of new construct                | ion, revitalization, leasi | ng and sta  | itus quo           |  |  |  |  |  |
| operation. Sustain     | able principles, to include Life Cy                | cle cost effective practi- | ces, will t | De integrated into |  |  |  |  |  |
| USC 2802(c) and o      | ther applicable laws and Executiv                  | e Orders                   | xecutive    | Oldel 15425, 10    |  |  |  |  |  |
| 05C 2002(C) and 0      | ther apprecisie in ws and Executiv                 |                            |             |                    |  |  |  |  |  |
| CatCode                |  | Requirement                | Adequate    | Substandard        |  |  |  |  |  |
| 211-159 AIRCR          | AFT CORROSION CONTROL                              | 1,394 SM                   | 0 SM        | 576 SM             |  |  |  |  |  |
| 211-179 FUEL           | SYSTEM MAINTENANCE DOO                             | CK 4,274 SM                | 0 SM        | 2,323 SM           |  |  |  |  |  |
| 171-212 FLGH           | Г SIMULATOR TRAINING                               | 929 SM                     | 0 SM        | 0 SM               |  |  |  |  |  |
|                        |  |                            |             |                    |  |  |  |  |  |
| CORROSION CON          | NTROL SHOPS (211159)                               | 743  SM = 8000  SF         |             |                    |  |  |  |  |  |
| COMPOSITE SHC          | P (211159)   | 650  SM = 7.000  SF        |             |                    |  |  |  |  |  |
| FLIGHT SIMULA          | TOR/TRAINING SPACES (171-                          | 212)929 SM = 10,000 S      | F           |                    |  |  |  |  |  |
| FUEL CELL HAN          | GAR/SHOPS (211179) 4,2                             | 74 SM = 46,000 SF          |             |                    |  |  |  |  |  |
|                        |  |                            |             |                    |  |  |  |  |  |
|                        |  |                            |             |                    |  |  |  |  |  |

| 1. CON          | MPONENT                   | FY 2017 MILITARY CONSTRUCTION PROJECT DA   | ЛТА                    | 2. DATE       |
|-----------------|---------------------------|--|------------------------|---------------|
|                 |                           | (computer generated)   |                        |               |
| 2 110           | ANG                       |  |                        | February 2016 |
| 3. INS<br>CHARI | TALLATION .<br>LOTTE/DOUC | AND LOCATION<br>JLAS INTERNATIONAL AIRPORT, NORTH CAROLINA   |                        |               |
| 5. PRO          | JECT TITLE                |  | 7. PROJI               | ECT NUMBER    |
| C-17 C          | ORROSION C                | ONTROL/FUEL CELL HANGAR  | F                      | JRP159062     |
| 12. S           | SUPPLEMENT                | 'AL DATA:  |                        |               |
| a. E            | Estimated Desig           | gn Data:   |                        |               |
| C               | 1) Status:                |  |                        |               |
|                 | (a) Date D                | Design Started   |                        | JAN 2016      |
|                 | (b) Parame                | etric Cost Estimates used to develop costs   |                        | NO            |
|                 | (c) Percent               | Complete as of Jan 2016  |                        | 10%           |
|                 | * (d) Date 33             | 5% Designed  |                        | MAR 2016      |
|                 | (e) Date D                | esign Complete   |                        | DEC 2016      |
|                 | (I) I ype of              | i Design Contract  |                        |               |
|                 | (g) Energy                | Study/Life-Cycle analysis was/will be performed  |                        |               |
| (2              | 2) Basis:                 |  |                        |               |
|                 | (a) Standar               | rd or Definitive Design -  |                        | NO            |
|                 | (b) Where                 | Design Was Most Recently Used -  |                        | N/A           |
| C               | 3) Total Cost (           | (c) = (a) + (b)  or  (d) + (e):  |                        | (\$000)       |
| ``              | (a) Produc                | tion of Plans and Specifications   |                        | 900           |
|                 | (b) All Oth               | her Design Costs   |                        | 260           |
| l               | (c) Total                 |  |                        | 1,160         |
| 1               | (d) Contra                | ct   |                        | 1,160         |
|                 | (e) In-Hou                | se   |                        | ,             |
| (4              | 4) Contract Av            | ward (Month/Year)  |                        | MAR 2017      |
| (.              | 5) Constructio            | n Start  |                        | MAY 2017      |
| ((              | 6) Constructio            | n Completion   |                        | SEP 2018      |
|                 | * Indicates is comparal   | completion of Project Definition with Parametric Cost Estimate<br>ble to traditional 35% design to ensure valid scope and cost and | e which<br>l executabi | lity.         |
| b. Eq           | quipment assoc            | iated with this project will be provided from other appropriation  | ns:                    | N/A           |
|                 |                           |  |                        |               |
|                 |                           |  |                        |               |
|                 |                           |  |                        |               |
|                 |                           |  |                        |               |
|                 |                           |  |                        |               |
|                 |                           |  |                        |               |
|                 |                           |  |                        |               |
|                 |                           |  |                        |               |
| DOD             |                           |  |                        |               |
| POIN            | IT OF CONTA               | (240) (12 97(7   |                        |               |
|                 |                           | (240) 612-8/6/   |                        |               |

| 1. COMPONENT  |   | FY 2017 MILITARY CO  | NSTRUCTIO      | ON PR                            | OJECT DA      | TA                     | 2.           | DATE                    |
|---|---|--|----------------|----------------------------------|---------------|------------------------|--------------|-------------------------|
| (computer generated)  |   |  |                |                                  |               |                        |              |                         |
| ANG   |   |  |                | 4 1                              |               |                        | Fet          | oruary 2016             |
| 3. INSTALLATION   |   | LUCATION   | ODT            | 4. ł                             | YNDE III II   | ITTLE<br>VDD A NT      | DEI          |                         |
| NORTH CAPOLINA  | JLAS .  | INTERNATIONAL AIRP   | ORI,           | C-1/1<br>CVCTI                   |               | YDKANI                 | KEI          | FUELING                 |
| 5 PROGRAM ELEM  | FNT   | 6 CATEGORY CODE  | 7 PROJEC       | CT NUMBER 8 PROJECT COST (\$000) |               |                        |              |                         |
| 5. I ROOM IN LEEN   |   | 0. CHILGORI CODE   | 7. I ROJLC     | 1 1101                           | IDER          | 0.1 1051               |              |                         |
| 54121F  |   | 124-135  | FJR            | P1590'                           | 73            |                        | \$21         | ,000                    |
|   |   | 9. COST  | ESTIMATE       | S                                |               |                        |              | -                       |
|   |   | 7.0051   | LOTIONTIL      |                                  |               | UNI                    | Т            | COST                    |
|   | ITEM  |  |                |                                  | QUANTIT       | Y COS                  | Т            | (\$000)                 |
| CONSTRUCT HYD   | RANT  | REFUEL SYSTEM  |                | LS                               | 12,564        |                        |              | 16,468                  |
| HYDRANT PITS  | AND   | PIPING (121-212)   |                | OL                               | 5             | 1,700,0                | 000          | ( 8,500)                |
| TYPE III FUEL P   | UMP S   | SYS/OPS STORAGE (124   | -135)          | M3                               | 715           | 6,6                    | 504          | ( 4,722)                |
| LIQUID FUEL PU  | JMP S   | TATION (125-977)   |                | SM                               | 139           | 3,2                    | 229          | (449)                   |
| SUPPORTING FAC  | UN (1.<br>II ITIE   | 13-321)<br>78  |                | SM                               | 11,705        | 4                      | 239          | (2, 797)                |
| DRAINAGE IMPI   | ROVE  | MENTS  |                | LS                               |               |                        |              | (275)                   |
| DEMOLISH EXIS   | TING  | TANKS  |                | LS                               |               |                        |              | (400)                   |
| UTILITIES IMPR  | OVEN  | IENTS  |                | LS                               |               |                        |              | ( 400)                  |
| SITE IMPROVEM   | 1ENTS   | 5  |                | LS                               |               |                        |              | ( 350)                  |
| SOIL REMEDIAT   | TON/I   | DISPOSAL   |                | LS                               |               |                        |              | ( 750)                  |
| RAMP LIGHTING   | Ĺ   |  |                | LS                               |               |                        |              | $\frac{(-250)}{18,802}$ |
| SUBTUTAL<br>CONTINGENCY (59                                 | 06)   |  |                |                                  |               |                        |              | 18,895                  |
| TOTAL CONTRACT  | T COS   | Т  |                |                                  |               |                        |              | 19.838                  |
| SUPERVISION, INS  | SPECT   | TION AND OVERHEAD (  | (6%)           |                                  |               |                        |              | 1,190                   |
| TOTAL REQUEST   |   |  | × ,            |                                  |               |                        |              | 21,028                  |
| TOTAL REQUEST (   | ROUN  | NDED)  |                |                                  |               |                        |              | 21,000                  |
| 10 Description of   | D   |  | (              |                                  | 1             | 1                      | 4            |                         |
| 10. Description of  | budro   | sed Construction: Cons                                       | a conventio    | rol do                           | yurant rent   | ening sys              |              | with ode to             |
| storage and provide   | ingura  | of the facility. Expand                                      | g conventio    | nai de                           | sign and c    | 011structio            | л п<br>а ор  | d toxi longo            |
| Excilities will be dee                                      | ignad   | l of the facility. Expand                                    | ion in accor   | dance                            | with the l    | 17 parkiii<br>DoD Unit | g an<br>Fiod | u taxi ianes.           |
| Criteria (UEC) 1-20   | 0_01  | General Building Requi                                       | rements and    |                                  | 1_200_02      | High Pe                | rfor         | nance and               |
| Sustainable Building  | o Rea   | uirements. The facility s                                    | hould be co    | mnati                            | hle with a    | , mgn re<br>pplicable  | DοΓ          | ) Air Force             |
| and base design stan  | ndards  | In addition local mate                                       | rials and co   | nstruc                           | tion techn    | iques sha              | ll be        | used where              |
| cost effective. This  | projec  | t will comply with DoE                                       | ) antiterrori  | sm/for                           | ce protect    | tion requi             | rem          | ents per                |
| unified facilities crit                                     | teria.  | Special Construction R                                       | equirements    | s: Der                           | nolish exi    | sting POI              |              | F                       |
| system/tanks/piping   | in th   | e footprint of construction                                  | on; mitigate   | wetla                            | nds/remed     | liate soil             | at fu        | el tank site.           |
| 11. REQUIREMEN  | NT: 1   | ,192 M3 ADEQUATI   | E: 0 M3 S      | SUBST                            | [ANDAR]       | D: 795 N               | 13           |                         |
| <u>PROJECT</u> : C-17 H                                     | lydran  | it Refueling Pits and Fue                                    | el Pumping     | Syster                           | n (New M      | lission).              |              |                         |
| REQUIREMENT:  | The p   | project supports the conv                                    | version of or  | ne squ                           | adron of 8    | PAI C-1                | 30 a         | ircraft to 8            |
| PAI C-17 aircraft.  | The b   | ase requires a properly s                                    | sized ramp,    | hydrai                           | nt refuelin   | g system               | and          | fuel storage            |
| for the C-17 aircraf  | t. The  | e minimum mission base                                       | ed total stora | age rec                          | quirement     | is 315,00              | 0 ga         | illons (7,500           |
| barrels) in at least t                                      | barrels) in at least two (2) tanks conforming to all federal, state, and local environmental regulations. |  |                |                                  |               | egulations.            |              |                         |
| Provision of a single                                       | Provision of a single expanded footprint tank, so that tanks may be of different final sizes, may be      |  |                |                                  |               |                        |              |                         |
| preterable to demolition/reconstruction of both tanks.      |   |  |                |                                  | aulas for st  |                        |              |                         |
| CURRENT SITUA   |   | : The existing fuel syst                                     | em 1s under    | sized a                          | and not co    | nfigured               | prop         | erly for the            |
| C-17. Hydrant pits do not exist on the apron. The apron wil |   |  | i requi        | re expans                        | $\frac{1}{2}$ | 10011                  | ications to  |                         |
| storm drainage syst   | em an   | a ramp lights. The utiliti                                   | es in the pa   | in of c                          | onstructio    | n must be              | e ext        | ended and               |
| IMDACT IE NOT I   | relocated.  |  |                |                                  | iroroft       |                        |              |                         |
| Unable to provide "   |   | <u>nord</u> . Unable to provide a parking for the assignment | ue auequale    |                                  | o une o ass   | lenloumo               | 1/dl<br>nto: | notali.<br>nd training  |
| mission   | equife  | a parking for the assign                                     | ieu alfofalt.  | Acce                             | pt 118K to (  | reproyine              | m al         | iu uaining              |
| IIIISSIOII.   |   |  |                |                                  |               |                        |              |                         |

|  |  |   | 2. DATE   |  |  |  |  |
|--|--|---|---|--|--|--|--|
| FY 2017 MILITARY CONSTRUCTION PROJECT DATA   |  |   |   |  |  |  |  |
| ANG (computer generated) February 2016   |  |   |   |  |  |  |  |
| AND LOCATION   |  |   |   |  |  |  |  |
| CHARLOTTE/DOUGLAS INTERNATIONAL AIRPORT, NORTH CAROLINA  |  |   |   |  |  |  |  |
| 5. PROJECT TITLE 7. PROJECT NUMBER   |  |   |   |  |  |  |  |
| C 17 TYDE III HYDDANT DEELIEI INC SYSTEM EIDD150072  |  |   |   |  |  |  |  |
| ADDITIONAL: This project meets the criteria/scope specified in ANG Handbook 32-1084. "Facility |  |   |   |  |  |  |  |
| is in compliance with the base mast  | ter plan. Antiterrorisi  | m/Force Pro   | otection  |  |  |  |  |
| been considered in the development   | of this project. An e  | conomic an  | alysis is being   |  |  |  |  |
| g the alternatives of new constructio  | n, revitalization, leasi   | ing and stat  | us quo  |  |  |  |  |
| able principles, to include Life Cycle   | e cost effective praction of the second   | ces, will be  | integrated into   |  |  |  |  |
| ther applicable laws and Executive   | Orders This facility   | can be used   | by other  |  |  |  |  |
| 'as available'' basis: however, the sc   | cope of the project is l   | based on Ai   | r National  |  |  |  |  |
| S.   | ope of the projection  |   |   |  |  |  |  |
|  |  |   |   |  |  |  |  |
|  |  | A 1 .   |   |  |  |  |  |
| DELIEL DUMD STATION  | Requirement  | Adequate  | Substandard   |  |  |  |  |
| IFL STORAGE  | 1 192 m3   | 0  SM<br>0  m3  | 0 SM<br>795 m3  |  |  |  |  |
| ANT FUELING SYSTEM   | 5 OL   | 0 0L  | 0 OL  |  |  |  |  |
|  |  |   |   |  |  |  |  |
| MP STATION (125-977) 13  | 3)1,192 M3 = 7,500 F   |   |   |  |  |  |  |
|  | FY 2017 MILITARY CONSTRUCTION<br>AND LOCATION<br>SLAS INTERNATIONAL AIRPORT,<br>ANT REFUELING SYSTEM<br>This project meets the criteria/scope sis in compliance with the base mass<br>been considered in the development<br>g the alternatives of new construction<br>ble principles, to include Life Cycle<br>ment and construction of the project<br>ther applicable laws and Executive<br>'as available'' basis; however, the so<br>s.<br>D FUEL PUMP STATION<br>JEL STORAGE<br>ANT FUELING SYSTEM<br>JMP SYS/OPS STORAGE (124-13<br>MP STATION (125-977) 13<br>MP STATI | FY 2017 MILITARY CONSTRUCTION PROJECT D. (computer generated)         AND LOCATION         BLAS INTERNATIONAL AIRPORT, NORTH CAROLINA         CANT REFUELING SYSTEM         his project meets the criteria/scope specified in ANG Har         is in compliance with the base master plan. Antiterrorisis         open considered in the development of this project. An e         ghe alternatives of new construction, revitalization, leasi         ible principles, to include Life Cycle cost effective practiment and construction of the project in accordance with 1         ther applicable laws and Executive Orders. This facility         'as available" basis; however, the scope of the project is 1         s.         Requirement         D FUEL PUMP STATION       139 SM         JEL STORAGE       1,192 m3         ANT FUELING SYSTEM       5 OL         UMP SYS/OPS STORAGE (124-135)1,192 M3 = 7,500 I         MP STATION (125-977)       139 SM = 1,500 SF | FY 2017 MILITARY CONSTRUCTION PROJECT DATA<br>(computer generated)         AND LOCATION         SLAS INTERNATIONAL AIRPORT, NORTH CAROLINA         TREFUELING SYSTEM         is project meets the criteria/scope specified in ANG Handbook 32-7         is no compliance with the base master plan. Antiterrorism/Force Project considered in the development of this project. An economic and the principles, to include Life Cycle cost effective practices, will be ment and construction of the project in accordance with Executive C ther applicable laws and Executive Orders. This facility can be used as available" basis; however, the scope of the project is based on Ai s.         Neurometric Adequate         D FUEL PUMP STATION         139 SM       0 SM         JEL STORAGE       1,192 m3       0 m3         ANT FUELING SYSTEM       5 OL       0 OL         UP SYS/OPS STORAGE (124-135)1,192 M3 = 7,500 BL       MP STATION (125-977)       139 SM = 1,500 SF |  |  |  |  |

| 1. C  | OMPONENT                         | FY 2017 MILITARY CONSTRUCTION PROJECT DA   | ТА                   | 2. DATE       |
|-------|----------------------------------|--|----------------------|---------------|
|       |                                  | (computer generated)   |                      |               |
|       | ANG                              |  |                      | February 2016 |
| 3. IN | ISTALLATION                      | AND LOCATION   |                      |               |
| СНА   | RLOTTE/DOUC                      | JLAS INTERNATIONAL AIRPORT, NORTH CAROLINA   |                      |               |
| 5. PR | OJECT TITLE                      |  | 7. PROJI             | ECT NUMBER    |
| C-17  | TYPE III HYDR                    | ANT REFUELING SYSTEM   |                      |               |
|       |                                  |  | F                    | JRP159073     |
| 12.   | SUPPLEMENT                       | AL DATA:   |                      |               |
| a.    | Estimated Desig                  | gn Data:   |                      |               |
|       | (1) Status:                      |  |                      |               |
|       | (1) Status:<br>(a) Date $\Gamma$ | Design Started   |                      | IAN 2016      |
|       | (h) Parame                       | etric Cost Estimates used to develop costs   |                      | No            |
|       | (c) Percent                      | Complete as of Ian 2016  |                      | 10%           |
|       | * (d) Date 34                    | 5% Designed  |                      | MAR 2016      |
|       | (a) Date D                       | osign Complete   |                      | DEC 2016      |
|       | (e) Date D                       | E Davign Contract  |                      | DEC 2010      |
|       | (I) Type of                      | Study/Life Cycle analysis was/will be nonformed  |                      | VEC           |
|       | (g) Energy                       | Study/Life-Cycle analysis was/will be performed  |                      | 1 65          |
|       | (2) Basis:                       |  |                      |               |
|       | (a) Standar                      | rd or Definitive Design -  |                      | NO            |
|       | (b) Where                        | Design Was Most Recently Used -  |                      | N/A           |
|       | (3) Total Cost (                 | (c) = (a) + (b)  or  (d) + (e):  |                      | (\$000)       |
|       | (a) Produc                       | tion of Plans and Specifications   |                      | 930           |
|       | (b) All Oth                      | her Design Costs   |                      | 465           |
|       | (c) Total                        | 6  |                      | 1.395         |
|       | (d) Contra                       | ct   |                      | 1,395         |
|       | (e) In-Hou                       | se   |                      | -,            |
|       |                                  |  |                      | MAD 2017      |
|       | (4) Contract Av                  | ward (Month/Year)  |                      | MAR 2017      |
|       | (5) Constructio                  | n Start  |                      | MAY 2017      |
|       | (6) Constructio                  | n Completion   |                      | SEP 2018      |
|       | * Indicates is comparal          | completion of Project Definition with Parametric Cost Estimate<br>ble to traditional 35% design to ensure valid scope and cost and | e which<br>executabi | lity.         |
| b.    | Equipment assoc                  | iated with this project will be provided from other appropriation  | ns:                  | N/A           |
|       |                                  |  |                      |               |
|       |                                  |  |                      |               |
|       |                                  |  |                      |               |
|       |                                  |  |                      |               |
|       |                                  |  |                      |               |
|       |                                  |  |                      |               |
|       |                                  |  |                      |               |
|       |                                  |  |                      |               |
|       |                                  |  |                      |               |
| PO    | INT OF CONTA                     | CT: NGB/A7AD   |                      |               |
|       |                                  | (240) 612-8767   |                      |               |
|       |                                  |  |                      |               |

| 1. COMPON  | IENT   |  |   |   | 2. DATE                                       |  |  |
|--|--|--|---|---|---|--|--|
| ANG  |  | FY 201<br>MILI   | 7 GUARD AND RESERVE<br>TARY CONSTRUCTION  |   | February 2016                                 |  |  |
| 3. INSTALLA  | ATION A                                      | ND LOCATION  |   |   | 4. AREA CONSTR                                |  |  |
| MCENTIRE J   | MCENTIRE JOINT NATIONAL GUARD BASE, EASTOVER |  |   |   |   |  |  |
| 5. FREQUEN<br>Twelve month<br>flight training          | NCY AN<br>hly unit a<br>4-7 day              | D TYPE OF UTILIZATION<br>assemblies per year, 15 days an<br>s per week, deployment prepara | nual field training per year, daily u<br>ttion and recovery; Air Force, Arm                         | use by technician/AGR f<br>y and Marine tactical ex | force and for training,<br>xercises, use      |  |  |
| 6. OTHER A<br>1 Active Army<br>Army Nationa<br>Headqua | CTIVE/(<br>y Base,<br>al Guard               | GUARD/RESERVE INSTALLATI<br>6 Army National Guard Armories<br>Combined Support maintenanc  | IONS WITHIN 15 MILES RADIUS<br>s, 1 Army National Guard Training<br>ce Shop (CSMS), 1 Army Aviation | Center, 1 Marine Corp<br>Support Facility, 1 Arm    | Reserve Armory, 1<br>National Guard State     |  |  |
| 7. PROJECT   | TS REQI                                      | JESTED IN THIS PROGRAM   |   |   |   |  |  |
| CATEGORY<br><u>CODE</u>                                |  | PROJECT TITLE  | <u>SCOPE</u>  | COST <u>[</u><br><u>\$(000)</u> <u>S</u>            | <u>DESIGN STATUS</u><br>START <u>COMPLETE</u> |  |  |
| 171-445  | Replace                                      | e Operations and Training Facilit  | ty 1,961 SM (21,100 SF)   | 8,400 J   | Jun 15 Sep 16                                 |  |  |
| 8. STATE RI<br>The Board re                            | ESERVE<br>ecommer                            | EFORCES FACILITIES BOARD   | RECOMMENDATION  | <u>05 Au</u><br>(Da                                 | u <u>g 15</u><br>ite)                         |  |  |
| 9. LAND AC   | QUISITI                                      | ON REQUIRED  |   | (Number   | 0<br>of Acres)                                |  |  |
| 10. PROJEC   | TS PLA                                       | NNED IN NEXT FOUR YEARS  |   |   |   |  |  |
| CATEGORY<br><u>CODE</u>                                |  | PROJECT TITLE  |   | <u>SCOPE</u>  | COST<br><u>\$(000)</u>                        |  |  |
| 130-142<br>217-713<br>171-476                          | Add to<br>Add to<br>Constr<br>R&M L          | Fire Station<br>ECM Pod Shop<br>uct CATS and CATM<br>Infunded Requirement: \$24,235,       | ,000  | 652 SM (7,015<br>913 SM (9,826<br>279 SM (3,000     | 5 SF) 1,950<br>5 SF) 2,700<br>0 SF) 1,250     |  |  |
|  |  |  |   |   |   |  |  |

| 1. COMPONENT<br>ANG      |                        | FY 2017 (<br>MILITA | GUARD ANI       | D RESERVE       |              | 2. D<br>Febi   | ATE<br>ruary 2016 |
|--------------------------|------------------------|---------------------|-----------------|-----------------|--------------|----------------|-------------------|
| 3. INSTALLATION A        | ND LOCATION            |                     |                 |                 |              |                |                   |
| MCENTIRE JOINT N         | IATIONAL GUARD BAS     | E, EASTO            | /ER             |                 |              |                |                   |
| 11. PERSONNEL S          | TRENGTH AS OF 27 M     | ay 15               |                 |                 |              |                |                   |
|                          |                        | PERMA               | NENT            |                 | GUAF         | RD/RESERV      | /E                |
|                          | TOTAL                  | OFFICER             | <u>ENLISTED</u> | <u>CIVILIAN</u> | <u>TOTAL</u> | <u>OFFICER</u> | ENLISTED          |
| AUTHORIZED               | 766                    | 63                  | 621             | 82              | 1,320        | 135            | 1,185             |
| ACTUAL                   | 660                    | 59                  | 526             | 75              | 1,365        | 130            | 1,235             |
| 12. RESERVE UNIT         | DATA                   |                     |                 |                 |              |                |                   |
|                          |                        |                     |                 |                 |              | STRENGT        | Н                 |
| UNIT DES                 | IGNATION               |                     |                 |                 | AUTHORIZED   |                | ACTUAL            |
| 157 Fighte               | r Squadron             |                     |                 |                 | 43           |                | 40                |
| 169 Aircraf              | t Maintenance Squadro  | n                   |                 |                 | 261          |                | 244               |
| 169 Civil E<br>169 Comm  | ngineering Squadron    |                     |                 |                 | 91<br>45     |                | 93<br>53          |
| 169 Compt                | troller Flight         |                     |                 |                 | 12           |                | 12                |
| 169 DET1                 |                        |                     |                 |                 | 93           |                | 91                |
| 169 Force<br>169 Fighte  | Support Squadron       |                     |                 |                 | 57<br>57     |                | 60<br>53          |
| 169 Logisti              | cs Readiness Squadroi  | า                   |                 |                 | 77           |                | 78                |
| 169 Medica<br>169 Mainte | al Group               | ıt                  |                 |                 | 51<br>23     |                | 59<br>21          |
| 169 Missio               | n Support Group        | it.                 |                 |                 | 8            |                | 10                |
| 169 Mainte               | enance Group           |                     |                 |                 | 19           |                | 14                |
| 169 Mainte<br>169 Operat | tions Group            |                     |                 |                 | 290<br>5     |                | 270               |
| 169 Opera                | tions Support Flight   |                     |                 |                 | 54           |                | 50                |
| 169 Securi               | ty Forces Squadron     |                     |                 |                 | 74<br>27     |                | 75<br>107         |
| 245 Air Tra              | affic Control Squadron |                     |                 |                 | 95           |                | 82                |
| HQ JFHQ                  |                        | то                  |                 |                 | 32           |                | 33                |
|                          |                        | 10                  | TALO            |                 | 1,407        |                | 1,500             |
| 13. MAJOR EQUIPM         | IENT AND AIRCRAFT      |                     |                 |                 |              |                |                   |
| Г г                      | TYPE                   |                     |                 |                 | AUTHORIZED   |                | ACTUAL            |
| Vehicles                 |                        |                     |                 |                 | 138          |                | 132               |
| F-16 C/D Aircraft        |                        |                     |                 |                 | 24<br>273    |                | 28<br>263         |
| Vehicle Equivalents      |                        |                     |                 |                 | 346          |                | 340               |
|                          |                        |                     |                 |                 |              |                |                   |
|                          |                        |                     |                 |                 |              |                |                   |
|                          |                        |                     |                 |                 |              |                |                   |
|                          |                        |                     |                 |                 |              |                |                   |
|                          |                        |                     |                 |                 |              |                |                   |
|                          |                        |                     |                 |                 |              |                |                   |
|                          |                        |                     |                 |                 |              |                |                   |
|                          |                        |                     |                 |                 |              |                |                   |
|                          |                        |                     |                 |                 |              |                |                   |
|                          |                        |                     |                 |                 |              |                |                   |
|                          |                        |                     |                 |                 |              |                |                   |
|                          |                        |                     |                 |                 |              |                |                   |
|                          |                        |                     |                 |                 |              |                |                   |
|                          |                        |                     |                 |                 |              |                |                   |

| 1. COMPONENT            |                      | FY 2017 MILITARY CO        | NSTRUCTI      | ON PR    | OJECT DA     | ТА                     | 2.          | DATE           |
|-------------------------|----------------------|----------------------------|---------------|----------|--------------|------------------------|-------------|----------------|
| ANC                     | (computer generated) |                            |               |          |              |                        |             |                |
| 3 INSTALLATION          |                      | ΙΟCΑΤΙΟΝ                   |               | <u>4</u> | PROIFCT      | TITI F                 | ге          | Situary 2010   |
| MCENTIRE JOINT N        | JATIC                | NAL GUARD BASE. SO         | UTH           | REPL     | ACE OPER     | ATIONS                 | ANI         | D TRAINING     |
| CAROLINA                |                      |                            |               | FACIL    | JTY          |                        |             |                |
| 5. PROGRAM ELEM         | ENT                  | 6. CATEGORY CODE           | 7. PROJEC     | T NUN    | <b>/</b> BER | 8. PROJ                | ECT         | COST(\$000)    |
| 5007CE                  |                      | 171 445                    | DOT           |          | 70           |                        | ¢o          | 400            |
| J2270F                  |                      | 1/1-443<br>0. COST         |               | E0090    | /0           |                        | <b>ф</b> 0, | ,400           |
|                         |                      | 9.0051                     | ESTIMATE      | ລ<br>    |              | LINI                   | т           | COST           |
|                         |                      | ITEM                       |               | U/M      | QUANTIT      | Y COS                  | ST T        | (\$000)        |
| OPERATIONS ANI          | D TRA                | INING FACILITY             |               | SM       | 1,960        |                        |             | 6,307          |
| OPERATIONS AN           | ND TR                | RAINING AREA               |               | SM       | 1,960        | 3,                     | 218         | ( 6,307)       |
| SUPPORTING FAC          | ILITIE               | ES                         |               | TO       |              |                        |             | 1,169          |
| UTILITIES               |                      |                            |               |          |              |                        |             | (141)          |
| SITE IMPROVEM           | (FNT)                | S/DRAINAGE IMPROVE         | MENTS         |          |              |                        |             | (111)          |
| COMMUNICATI             | ONS S                | SUPPORT                    |               | LS       |              |                        |             | (178)          |
| DEMOLITION/AS           | SBEST                | TOS REMOVAL                |               | SM       | 1,688        |                        | 183         | ( 309)         |
| FIRE PROTECTIO          | ON SU                | JPPORT                     |               | LS       |              |                        |             | ( 209)         |
| SUSTAINABILITY          | AND                  | ENERGY MEASURES            |               | LS       |              |                        |             | <u>112</u>     |
| SUBTOTAL                | N/ )                 |                            |               |          |              |                        |             | 7,588          |
| TOTAL CONTRACT          | %)<br>T COS          | ۲.                         |               |          |              |                        |             | 7 967          |
| SUPERVISION, INS        | PECT                 | ION AND OVERHEAD (         | (6%)          |          |              |                        |             | 478            |
| TOTAL REQUEST           |                      |                            | (0,0)         |          |              |                        |             | 8,445          |
| TOTAL REQUEST (         | ROUI                 | NDED)                      |               |          |              |                        |             | 8,400          |
| 10 Decorintion of       | Duono                | and Constructions Cons     | tmist on On   | anotion  | a and Tra    | ining Eq.              |             | utilizina      |
| conventional design     | and c                | construction methods to    | accommoda     | eration  | mission o    | пппg гас<br>f the faci | lity        | Facilities     |
| will be designed as a   | nerma                | ment construction in acc   | ordance wit   | th the l | DoD Unif     | ied Facili             | ities (     | Criteria       |
| (UFC) 1-200-01 Ge       | eneral               | Building Requirements      | and UFC 1     | -200-0   | 2 High P     | erforman               | ce at       | nd             |
| Sustainable Building    | g Rea                | uirements. The facility    | should be c   | ompati   | ible with a  |                        | e Do        | D. Air Force.  |
| and base design star    | dards                | . In addition, local mate  | erials and co | onstruc  | ction techr  | iques sha              | all be      | e used where   |
| cost effective. This    | proje                | ct will comply with DoI    | ) antiterrori | sm/for   | ce protect   | ion requi              | reme        | ents per       |
| unified facilities crit | eria.                | Special Construction R     | equirement    | s: Der   | nolish exi   | sting bui              | lding       | g and          |
| landscape the site. I   | Install              | utility metering and con   | nnect to Dir  | ect Dig  | gital Contr  | rol Syster             | m.          |                |
| Air Conditioning: 42    | 20 KV                | W.                         |               |          |              |                        |             |                |
| 11. REQUIREMEN          | NT: 1                | ,960 SM ADEQUAT            | E: 0 SM S     | SUBS     | ΓANDAR       | D: 1,841               | SM          | [              |
| PROJECT: Replac         | e Ope                | erations and Training Fa   | cility (Curro | ent Mi   | ssion).      |                        |             |                |
| <u>REQUIREMENT</u> :    | The I                | 69th Fighter Wing requ     | ires a prope  | rly site | ed, adequa   | ately size             | d, an       | ld             |
| appropriately config    | gurea                | facility for operations as | nd training   | needs a  | and audio    | visual sp              | ace 1       | in support of  |
| 24-FAA F-10 allela      | iii. ru<br>ino/hi    | reak areas and support s   | nace for the  | S, aum   | tions and    | Training               |             | por Guard      |
| and Audio-Visual a      | ctiviti              | leak aleas and support s   | pace for the  | Opera    | uions anu    | Training               | , 110       | lioi Guaiu,    |
| CURRENT SITUA           | TION                 | U. The operations and tr   | aining and a  | audio y  | visual fund  | rtions are             | inef        | ficiently      |
| dispersed among 6       | buildi               | ngs. The comptroller, ac   | counting a    | nd fina  | nce. and r   | nilitary p             | av a        | re separated   |
| from the wing staff.    | . The                | audio visual services ce   | enter is poor | ly pos   | itioned in   | building               | 253.        | an Aircraft    |
| Maintenance Hanga       | ar. A t              | raining area for the Hon   | or Guard de   | bes not  | t exist. Lo  | ogistics P             | lans        | and Family     |
| Support are geograp     | phical               | ly separated from most of  | operations a  | and tra  | ining func   | tions, wh              | hich a      | are located in |
| the headquarters bu     | ilding               | 252. This facility was     | constructed   | in 196   | 66 and has   | aged con               | nside       | rably. It is   |
| energy inefficient, r   | nainte               | enance intensive, and po   | orly sited a  | nd con   | figured to   | effective              | ely su      | upport the     |
| base mission which      | has e                | volved since the 1960's.   | There are     | many     | health, saf  | ety, and               | fire o      | deficiencies   |
| including a risk ass    | essme                | ent code 2. The facility l | has significa | ant bui  | Iding enve   | elope def              | ects        | that are       |
| L                       |                      |                            |               |          |              |                        |             |                |

|   |                                   |                                 |                 | ·                   |  |
|---|-----------------------------------|---------------------------------|-----------------|---------------------|--|
| 1. COMPONENT  |                                   |                                 |                 | 2. DATE             |  |
| ANG   | FY 201 / MILLIAKY CO              | INSTRUCTION PROJECT DA          | ΠA              | Feburary 2016       |  |
| 3 INSTALLATION  | AND LOCATION                      |                                 |                 | Febulary 2010       |  |
| <i>5.</i> <b>I</b> ( <i>5</i> <b>I</b> ( <i>5 <b>I</b> (<i>5 <b>I</b> (<i>5</i></i></i></i></i></i></i></i></i> |                                   |                                 |                 |                     |  |
| MCENTIRE JOINT N  | JAT <u>IONAL GUARD BASE, SC</u>   | DUT <u>H CAROLINA</u>           |                 |                     |  |
| 5. PROJECT TITLE  |                                   |                                 | 7. PROJE        | ECT NUMBER          |  |
|   |                                   | */*** /                         |                 | CTTD000070          |  |
| REPLACE OPERATI   | ONS AND TRAINING FACIL            | ITY                             | Pi              | STE009070           |  |
| maintenance intens  | ive that cannot be economical     | inted operations, and training  | $\sim$ rooms f  | are lost due to     |  |
| and too small. The  | Recruiting area lacks space a     | interviewing                    | potential       | recruite            |  |
| Administrative space  | ce is inefficiently laid out. A   | vailable space does not com     | nlv with t      | the provisions of   |  |
| the Americans with  | Disabilities Act. The mecha       | anical and electrical systems   | are not e       | nergy efficient,    |  |
| are unreliable and e  | xpensive to operate and mair      | tain and produce poor indoc     | or air qual     | ity. Building       |  |
| 252 is not a quality  | work and training space and       | will be demolished. The sp      | ace in the      | other buildings     |  |
| will be reused for s  | pace shortages within other re    | elated functional areas.        |                 | -                   |  |
| IMPACT IF NOT H   | <u>PROVIDED</u> : Training opport | tunities are lost due to organ  | izational       | inefficiencies      |  |
| driven by dispersed   | operating locations. Comma        | and and control is stymied by   | y difficult     | coordination        |  |
| and communication   | with key staff functions disp     | persed among several dystur     | ictional b      | uildings.           |  |
| Valuable high dema  | and space will be sacrificed to   | or Honor Guard training and     | administ        | rative              |  |
| operations. Custon  | ier service is nampered by an     | and maintenance costs for       | tea servic      | es. Health,         |  |
| emergency renair w  | vill continue to increase         | s allu mantenance cosis for     | Sustamm         | siit anu            |  |
| ADDITIONAL: T   | his project meets the criteria/s  | scope specified in ANG Han      | dbook 32        | -1084 "Facility     |  |
| Requirements" and   | is in compliance with the bas     | se master plan. This facility   | can be us       | ed by other         |  |
| components on an '  | 'as available" basis; however     | , the scope of the project is b | based on A      | Air National        |  |
| Guard requirements  | s. Antiterrorism force protect    | tion requirements have been     | addressed       | 1. This facility is |  |
| a primary gathering   | facility and meets the AT/FI      | P standoff distance requirement | ents. The       | re is minimal       |  |
| threat and the level  | of protection is low so minim     | num construction standards h    | nave been       | applied. Upon       |  |
| completion of this p  | project, Building 252 at 1,688    | SM will be demolished. Su       | ıstainable      | principles, to      |  |
| include Life Cycle  | cost effective practices, will b  | be integrated into the design,  | developr        | nent and            |  |
| construction of the   | project in accordance with Ex     | xecutive Order 13423, 10 US     | SC 2802(c       | e) and other        |  |
| applicable laws and   | Executive Orders. An econo        | omic analysis is being prepar   | red compa       | aring the           |  |
| alternatives of new   | construction, revitalization, le  | easing and status quo operat    | ion.            |                     |  |
|   |                                   |                                 |                 |                     |  |
| CatCode   |                                   | Requirement                     | A dequate       | Substandard         |  |
| 171-445 RESER   | VF FORCES O&T FACILI              | TV 1 533 SM                     | 0 SM            | 1 688 SM            |  |
| 171-443 RESER   | VE FORCES GENERAL TI              | RANING 242 SM                   | $0 \mathrm{SM}$ | 0 SM                |  |
| 141-383 AUDIO   | ) VISUAL/GRAPHICS FAC             | SILITY 186 SM                   | 0 SM            | 152 SM              |  |
|   |                                   |                                 | •               |                     |  |
|   |                                   |                                 |                 |                     |  |
| OPERATIONS AN   | D TRAINING AREA                   | 1,960 SM = 21,100 SF            |                 |                     |  |
| DEMOLITION/AS   | BESTOS REMOVAL                    | 1,688 SM = 18,169 SF            |                 |                     |  |
|   |                                   |                                 |                 |                     |  |
|   |                                   |                                 |                 |                     |  |
|   |                                   |                                 |                 |                     |  |
|   |                                   |                                 |                 |                     |  |
|   |                                   |                                 |                 |                     |  |
|   |                                   |                                 |                 |                     |  |

| 1. C         | OMPONENT               | FY 2017 MILITARY CONSTRUCTION PROJECT DA   | TA                 | 2. DATE       |
|--------------|------------------------|--|--------------------|---------------|
|              |                        | (computer generated)   |                    |               |
| - n          | ANG                    |  |                    | February 2016 |
| 3. IN<br>MCE | STALLATION             | AND LOCATION<br>JATIONAL GUARD BASE, SOUTH CAROLINA  |                    |               |
| 5. PR        | OJECT TITLE            |  | 7. PROJE           | ECT NUMBER    |
| REPI         | LACE OPERATI           | ONS AND TRAINING FACILITY  | P                  | STE009070     |
| 12.          | SUPPLEMENT             | 'AL DATA:  |                    |               |
| a.           | Estimated Desig        | gn Data:   |                    |               |
|              | (1) Status:            |  |                    |               |
|              | (a) Date D             | Design Started   |                    | JUN 2015      |
|              | (b) Parame             | etric Cost Estimates used to develop costs   |                    | NO            |
|              | (c) Percent            | Complete as of Jan 2016  |                    | 35%           |
|              | * (d) Date 53          | 5% Designed  |                    | JAN 2016      |
|              | (e) Date D             | esign Complete   |                    | SEP 2016      |
|              | (t) Type of            | Design Contract  |                    | 1770          |
|              | (g) Energy             | Study/Life-Cycle analysis was/will be performed  |                    | YES           |
|              | (2) Basis:             |  |                    |               |
|              | (a) Standar            | rd or Definitive Design -  |                    | No            |
|              | (b) Where              | Design Was Most Recently Used -  |                    |               |
|              | (3) Total Cost (       | (c) = (a) + (b)  or  (d) + (e):  |                    | (\$000)       |
|              | (a) Produc             | tion of Plans and Specifications   |                    | 600           |
|              | (b) All Oth            | her Design Costs   |                    | 140           |
|              | (c) Total              |  |                    | 740           |
|              | (d) Contra             | ct   |                    | 740           |
|              | (e) In-Hou             | se   |                    | / 10          |
|              | (4) Contract A         | ward (Month/Year)  |                    | DEC 2016      |
|              |                        |  |                    |               |
|              | (5) Constructio        | n Start  |                    | MAR 2017      |
|              | (6) Constructio        | n Completion   |                    | JAN 2019      |
|              | * Indicates is compara | completion of Project Definition with Parametric Cost Estimate<br>ble to traditional 35% design to ensure valid scope and cost and | which<br>executabi | lity.         |
| b.           | Equipment assoc        | iated with this project will be provided from other appropriation  | 18:                | N/A           |
|              |                        |  |                    |               |
|              |                        |  |                    |               |
|              |                        |  |                    |               |
|              |                        |  |                    |               |
|              |                        |  |                    |               |
|              |                        |  |                    |               |
|              |                        |  |                    |               |
|              |                        |  |                    |               |
|              |                        |  |                    |               |
| PO           | INT OF CONTA           | ACT: NGB/A7AD  |                    |               |
|              |                        | (240) 836-7042   |                    |               |

| 1. COMPONENT   | E)( 0047.0   |  |   | 2. DATE                       |
|--|--|--|---|-------------------------------|
| ANG  | FY 2017 G<br>MILITAI   | GUARD AND RESERVE  |   | February 2016                 |
| 3. INSTALLATIO   | N AND LOCATION   |  |   | 4. AREA CONSTR                |
| ELLINGTON FIEL   | D, HOUSTON   |  |   | .85                           |
| 5. FREQUENCY<br>Two Unit Training<br>combat mission.       | AND TYPE OF UTILIZATION<br>Assemblies per month, 15 days annua   | l field training per year, daily us                        | e by AGR/Technician f                               | orce for training and         |
| 6. OTHER ACTIV<br>Three (3) Army Re<br>Reserve Facility, a | E/GUARD/RESERVE INSTALLATION<br>eserve Facilities, Four (4) Army Nationa<br>and One (1) Coast Guard Facility | S WITHIN 15 MILES RADIUS<br>al Guard Armories, One (1) Nav | el Reserve Facility, Or                             | e (1) Marine Corps            |
| 7. PROJECTS RE   | EQUESTED IN THIS PROGRAM   |  |   |                               |
| CATEGORY<br><u>CODE</u>                                    | PROJECT TITLE  | <u>SCOPE</u>   | COST <u>D</u><br><u>\$(000)</u> <u>S</u><br>4 500 S | ESIGN STATUS<br>TART COMPLETE |
| 8. STATE RESEF<br>The Board recomr                         | RVE FORCES FACILITIES BOARD RE<br>nendations are: Unilateral Construction                                    | COMMENDATION<br>n Approved                                 | <u>26 Ap</u><br>(Dat                                | <u>r 15</u><br>e)             |
| 9. LAND ACQUIS   | ITION REQUIRED   |  | N   | one                           |
|  |  |  | (Number o   | of Acres)                     |
| 10. PROJECTS P<br>CATEGORY<br><u>CODE</u>                  | LANNED IN NEXT FOUR YEARS  |  | <u>SCOPE</u>  | COST<br><u>\$(000)</u>        |
| 730-835 Rep<br>171-445 Rep                                 | place Security Forces Facility<br>place Operations and Training Facility                                     |  | 1,617 SM (17,4<br>1,988 SM (21,4                    | 00 SF) 5,800<br>00 SF) 6,000  |
| R&I  | M Unfunded Requirement: \$18,530,000   | )  |   |                               |

| 1. COMPONENT<br>ANG       | FY 2017 GUARD AND RESERVE<br>MILITARY CONSTRUCTION |                |                 |                 |                   |          | DATE<br>pruary 2016 |
|---------------------------|--|----------------|-----------------|-----------------|-------------------|----------|---------------------|
| 3. INSTALLATION A         | AND LOCATION                                       |                |                 |                 |                   |          |                     |
| ELLINGTON FIELD,          | HOUSTON  |                |                 |                 |                   |          |                     |
| 11. PERSONNEL S           | TRENGTH AS OF 17 I                                 | May 15         |                 |                 |                   |          |                     |
|                           |  | PERMA          | NENT            |                 | GUA               | RD/RESER | VE                  |
|                           | TOTAL  | <u>OFFICER</u> | <u>ENLISTED</u> | <u>CIVILIAN</u> | TOTAL             |          | <u>ENLISTED</u>     |
| AUTHORIZED                | 161  | 13             | 144             | 4               | 1,008             | 162      | 846                 |
| ACTUAL                    | 156  | 16             | 136             | 4               | 1,031             | 143      | 888                 |
| 12. RESERVE UNIT          | DATA   |                |                 |                 |                   |          |                     |
|                           |  |                |                 |                 |                   | STRENG   | тн                  |
| UNIT DES                  | IGNATION   |                |                 |                 | AUTHORIZED        |          | ACTUAL              |
| 111 Recon<br>111 Weath    | inaissance Squadron                                |                |                 |                 | 106               |          | 100                 |
| 147 Aircrat               | ft Maintenance Squadr                              | on             |                 |                 | 119               |          | 122                 |
| 147 Air Su<br>147 Civil E | ingineering Squadron                               | adron          |                 |                 | 66<br>97          |          | 53<br>93            |
| 147 Comm                  | nunication Flight                                  |                |                 |                 | 31                |          | 32                  |
| 147 Comp<br>147 Force     | Support Squadron                                   |                |                 |                 | 51                |          | 52                  |
| 147 Logisti<br>147 Medic  | ics Readiness Squadro                              | on             |                 |                 | 54<br>48          |          | 58<br>54            |
| 147 Medica<br>147 Mainte  | enance Operations Flig                             | ght            |                 |                 | 12                |          | 12                  |
| 147 Missio<br>147 Mainte  | n Support Group                                    |                |                 |                 | 8<br>13           |          | 7<br>12             |
| 147 Opera                 | tions Group  |                |                 |                 | 17                |          | 14                  |
| 147 Opera<br>147 Recon    | tions Support Squadro                              | n              |                 |                 | 110<br>49         |          | 90<br>48            |
| 147 Securi                | ity Forces Squadron                                |                |                 |                 | 74                |          | 66                  |
| 147 Studer<br>272 Engine  | nt Flight<br>eering Installation Squa              | adron          |                 |                 | 19<br>114         |          | 83<br>113           |
|                           |  | TO             | TALS            |                 | 1,008             |          | 1,031               |
|                           |  |                |                 |                 |                   |          |                     |
| 13. MAJOR FOUIP           | VENT AND AIRCRAFT                                  | r              |                 |                 |                   |          |                     |
|                           |  |                |                 |                 |                   |          | ACTUAL              |
| Vehicles                  | IYPE   |                |                 |                 | AUTHORIZED<br>219 |          | 193                 |
| Vehicle Equivalents       |  |                |                 |                 | 480               |          | 472                 |
| MQ-1B Predator Airc       | raft   |                |                 |                 | 180               |          | 167<br>12           |
| RC-26 Aircraft            |  |                |                 |                 | 1                 |          | 1                   |
|                           |  |                |                 |                 |                   |          |                     |
|                           |  |                |                 |                 |                   |          |                     |
|                           |  |                |                 |                 |                   |          |                     |
|                           |  |                |                 |                 |                   |          |                     |
|                           |  |                |                 |                 |                   |          |                     |
|                           |  |                |                 |                 |                   |          |                     |
|                           |  |                |                 |                 |                   |          |                     |
|                           |  |                |                 |                 |                   |          |                     |
|                           |  |                |                 |                 |                   |          |                     |
|                           |  |                |                 |                 |                   |          |                     |
|                           |  |                |                 |                 |                   |          |                     |
|                           |  |                |                 |                 |                   |          |                     |

| 1. COMPONENT   |   | FY 2017 MILITARY CO       | NSTRUCTIO      | ON PR                      | OJECT DA      | ΤA    | 2.                      | DATE  |
|--|---|---------------------------|----------------|----------------------------|---------------|-------|-------------------------|---|
|  |   | (comp                     | uter generate  | ed)                        |               |       |                         |   |
| ANG  |   |                           | -              |                            |               |       | Fe                      | bruary 2016   |
| 3. INSTALLATION A  | AND I   | LOCATION                  |                | 4. 1                       | PROJECT '     | ΓITL  | LE                      |   |
|  |   |                           |                | CONSOLIDATE CREW READINESS |               |       |                         |   |
| ELLINGTON FIELD,   | TEX   | AS                        |                | FACILITY                   |               |       |                         |   |
| 5. PROGRAM ELEMI   | ENT   | 6. CATEGORY CODE          | 7. PROJEC      | T NUN                      | MBER          | 8. I  | PROJECT                 | COST(\$000)   |
|  |   |                           |                |                            |               |       |                         |   |
| 52276F   |   | 141-459                   | FW.            | H0990                      | 082           |       | \$4                     | ,500  |
|  |   | 9. COST                   | ESTIMATE       | S                          |               |       |                         |   |
|  |   |                           |                |                            |               |       | UNIT                    | COST  |
|  |   | ITEM                      |                | U/M                        | QUANTIT       | Y     | COST                    | (\$000)   |
| CONSOLIDATE CR   | EW R  | EADINESS FACILITY, 1      | 1397           | SM                         | 1,403         |       |                         | 3,462   |
| ALTER BUILDIN  | G 139   | 7                         |                | SM                         | 604           |       | 2,002                   | ( 1,209)  |
| ADD TO BUILDIN   | NG 13   | 97                        |                | SM                         | 799           |       | 2,820                   | ( 2,253)  |
| SUPPORTING FACI  | LITIE   | ES                        |                |                            |               |       |                         | 506   |
| UTILITIES  |   |                           |                | LS                         |               |       |                         | ( 69)   |
| PAVEMENTS  |   |                           |                | LS                         |               |       |                         | ( 139)  |
| SITE IMPROVEM  | ENTS  | 5                         |                | LS                         |               |       |                         | ( 32)   |
| COMMUNICATIO   | DNS S   | UPPORT                    |                | LS                         |               |       |                         | ( 58)   |
| TEMPORARY FA   | CILII   | TIES                      |                | LS                         |               |       |                         | ( 208)  |
| SUSTAINABILITY A   | AND   | ENERGY MEASURES           |                | LS                         |               |       |                         | <u>69</u>   |
| SUBTOTAL   |   |                           |                |                            |               |       |                         | 4,037   |
| TOTAL CONTRACT   | %)<br>Г.С.О.  | 1T                        |                |                            |               |       |                         | <u> </u>  |
| SUDEDVISION INST   |   |                           | (60/)          |                            |               |       |                         | 4,239   |
| TOTAL REQUEST  | FEUI  | ION AND OVERHEAD (        | (0%)           |                            |               |       |                         | <u> </u>  |
| TOTAL REQUEST  | ROIN  | NDFD)                     |                |                            |               |       |                         | 4 500   |
|  | ROUI  |                           |                |                            |               |       |                         | 4,500   |
| utilizing conventiona<br>Facilities will be des<br>Criteria (UFC) 1-200<br>Sustainable Building<br>and base design stan<br>cost effective. This junified facilities criter<br>reconfiguration comp<br>plumbing, electrical,<br>for Sensitive Compa<br>parking, cart paths, s<br>Air Conditioning: 17   | 10. Description of Proposed Construction: Construct a crew readiness addition to an existing facility utilizing conventional design and construction methods to accommodate the mission of the facility. Facilities will be designed as permanent construction in accordance with the DoD Unified Facilities Criteria (UFC) 1-200-01, General Building Requirements and UFC 1-200-02, High Performance and Sustainable Building Requirements. The facility should be compatible with applicable DoD, Air Force, and base design standards. In addition, local materials and construction techniques shall be used where cost effective. This project will comply with DoD antiterrorism/force protection requirements per unified facilities criteria. Special Construction Requirements: Renovate building to include space reconfiguration complete with new walls and wall, floor, and ceiling finishes, HVAC, fire suppression, plumbing, electrical, and communications systems modification and reconfiguration. Provide space for Sensitive Compartmentalized Information Facility (SCIF). Provide security fencing. Provide parking, cart paths, sidewalks and install pop up barriers with security berms. |                           |                |                            |               |       |                         | ang facility.<br>Facilities<br>mance and<br>D, Air Force,<br>e used where<br>ents per<br>ide space<br>suppression,<br>vide space<br>Provide |
| 11. REQUIREMEN   | NT: 1   | ,403 SM ADEQUAT           | E: 0 SM S      | SUBS                       | TANDAR        | D:    | 1,513 SN                | 1   |
| PROJECT: Consoli   | idate   | Crew Readiness Facility   | y (Current N   | Aissio                     | n).           |       |                         |   |
| REQUIREMENT:   | Provi   | de an adequately sized a  | and properly   | y confi                    | gured aler    | t cre | ew readir               | less facility to  |
| support an Air Cont  | rol A   | lert (ACA) mission as a   | detached al    | lert that                  | at conform    | s to  | the ACA                 | Guide 2014.   |
| Functional areas include individual bedrooms, study areas, ready rooms, kitchen, dining, exercise rooms, kitchen, dining, exercise rooms, kitchen, dining, exercise rooms, study areas, ready rooms, study areas, ready rooms, kitchen, dining, exercise rooms, study areas, ready areas, ready areas, ready areas, ready rooms, study areas, ready rooms, study areas, ready |   |                           |                |                            | exercise room |       |                         |   |
| laundry room, briefing/break room, life support, maintenance brief/debrief, operation offices, and Se  |   |                           |                |                            | ces, and SCIF |       |                         |   |
| compliant mission p  | olanni  | ng, mission brief/debrie  | f, intel/class | sified s                   | storage. F    | acili | ity is to in            | nclude  |
| lockers, restrooms a   | nd ot   | her areas necessary for a | a complete f   | functio                    | onal facilit  | y. F  | <sup>7</sup> acility is | to support a  |
| fighter wing detacht   | ment  | assigned to perform AC    | A mission a    | at a dej                   | ployed loc    | atio  | n, Ellingt              | on Field.   |
| This project will put  | t Aler  | t currently scattered am  | ong three f    | acilitie                   | es all in on  | e lo  | cation be               | hind one  |
| fence.   |   |                           |                |                            |               |       |                         |   |
| CURRENT SITUA  | TION  | I: The Alert Crew Read    | iness Facili   | ty is u                    | ndersized     | to m  | neet the re             | equirements of  |
| a fighter wing detac   | hmen  | t performing ACA miss     | ions at a de   | ployed                     | l location.   | Ell   | ington Fi               | eld houses an   |
| _  |   | -                         |                | -                          |               |       |                         |   |

| 1 COMPONENT                        |  |                                    |             | 2 DATE             |  |  |  |  |
|------------------------------------|--|------------------------------------|-------------|--------------------|--|--|--|--|
| 1. CONFORENT                       | EV 2017 MILITADY   | CONSTRUCTION PROJECT D             | N T A       | 2. DATE            |  |  |  |  |
| ANG                                | FT 2017 MILITART   | multer generated)                  | 11A         | Eabmany 2016       |  |  |  |  |
| 2 INSTALLATION                     |  | inputer generated)                 |             | rebluary 2010      |  |  |  |  |
| 5. INSTALLATION                    | AND LOCATION   |                                    |             |                    |  |  |  |  |
| ELLINCTON EIELD                    | TEVAC  |                                    |             |                    |  |  |  |  |
| 5 DDOJECT TITLE                    | , IEAAS  |                                    |             | CT NUMPED          |  |  |  |  |
| J. FROJECT HILE 7. FROJECT NUMIDER |  |                                    |             |                    |  |  |  |  |
|                                    |  |                                    |             |                    |  |  |  |  |
| CONSOLIDATE CK                     | w READINESS FACILITI   | ming other missions as the 1/      | 17th Dece   | w J11099082        |  |  |  |  |
| ACA operation as a                 | f for the standard for the set of | nning other missions as the 14     | F/III Recol | $\frac{1}{1}$      |  |  |  |  |
| flying MQ-1 aircra                 | It from other locations. In  | e Base Realignment and Clost       | Ire Comm    | Ission (BRAC)      |  |  |  |  |
| 2005 recommended                   | I that the homeland defense  | e ACA site be preserved using      | ANG aire    | craft assigned     |  |  |  |  |
| elsewhere and oper                 | ating from Ellington on a r  | otational basis as tasked by US    | S Northerr  | Command. To        |  |  |  |  |
| adequately accomm                  | nodate the remotely assigned   | ed, detached ACA mission exit      | ing facilit | ies must be        |  |  |  |  |
| reconfigured and re                | s-sized to accommodate the   | functions that are no longer p     | rovided by  | y Ellington Field  |  |  |  |  |
| unit as ACA and fi                 | ghter aircraft operations an   | d maintenance capabilities are     | no longer   | organic to         |  |  |  |  |
| Ellington Field. Of                | her facilities currently in u  | se to support ACA operations       | are not wi  | thin the ACA       |  |  |  |  |
| compound and spre                  | ead across the base, resulting   | g in operational inefficiencies.   | increased   | l workload and     |  |  |  |  |
| security concerns, i               | ncreased administrative red  | uirements, and negatively im       | bacting the | e ability to carry |  |  |  |  |
| out the ACA mission                | on.  | 1                                  | 0           | j i i j            |  |  |  |  |
| IMPACT IF NOT                      | PROVIDED. The detached   | l alert mission from a deployed    | 1 location  | will be severely   |  |  |  |  |
| impacted with inad                 | equate space and inefficier  | t configuration in the existing    | alert crew  | readiness          |  |  |  |  |
| facilities Use of or               | ther facilities which are not  | in the ACA compound would          |             | impact to the      |  |  |  |  |
| ACA mission both                   | in general operational and   | administration as well as in roo   | cause all   | impact to the      |  |  |  |  |
| ACA IIISSIOII DOUI                 | the ACA detectment will  | be housed within the some fee      | sponse un   | ie allu security.  |  |  |  |  |
| Once consolidated,                 | the ACA detachment will  | be noused within the same fac      |             |                    |  |  |  |  |
| of command and co                  | introl, eliminating inefficie  | ncies caused by widespread an      | id geograf  | onically dispersed |  |  |  |  |
| ACA functions. Of                  | ther facilities currently sup  | porting alert functions both in    | and out of  | the ACA            |  |  |  |  |
| compound, would l                  | be excess to need. Retention   | on of excess facilities results in | waste of    | utility and        |  |  |  |  |
| operations and main                | ntenance funds, making res   | ources unavailable for other p     | riorities.  |                    |  |  |  |  |
| ADDITIONAL: T                      | his project meets the criteri  | a/scope specified in Air Nation    | nal Guard   | Handbook 32-       |  |  |  |  |
| 1084, "Facility Rec                | juirements" and is in comp   | liance with the base master pla    | n and is in | n accordance with  |  |  |  |  |
| criteria/scope from                | the First Air Force Air Cor  | ntrol Alert Site Guide, Septemb    | ber 2014.   |                    |  |  |  |  |
| Antiterrorism/Force                | e Protection requirements h  | ave been considered in the de-     | velopment   | of this project.   |  |  |  |  |
| Sustainable princip                | les, to include Life Cycle c   | ost effective practices, will be   | integrated  | l into the design. |  |  |  |  |
| development and c                  | onstruction of the project in  | accordance with Executive O        | rder 1342   | 3. 10 USC          |  |  |  |  |
| 2802(c) and other a                | upplicable laws and Execut   | ve Orders An economic anal         | vsis is hei | ng prepared        |  |  |  |  |
| comparing the alter                | matives of new construction  | n revitalization leasing and st    | atus auo c  | neration           |  |  |  |  |
| comparing the atter                | had ves of new construction  | i, io vitalization, iousing and st | and quo o   | perution.          |  |  |  |  |
|                                    |  |                                    |             |                    |  |  |  |  |
| CatCodo                            |  | Paquiramont                        | Adaquata    | Substandard        |  |  |  |  |
|                                    | adinass  |                                    |             |                    |  |  |  |  |
| 141-439 Crew re                    | aumess   | 1,403 SM                           | 0 SM        | 1,313 SIVI         |  |  |  |  |
|                                    |  |                                    |             |                    |  |  |  |  |
|                                    | G 1207   |                                    |             |                    |  |  |  |  |
| ALTER BUILDIN                      | G 139/   | 604  SM = 6,500  SF                |             |                    |  |  |  |  |
| ADD TO BUILDI                      | NG 1397  | 799 SM = 8,600 SF                  |             |                    |  |  |  |  |

| 1. COMPONENTFY 2017 MILITARY CONSTRUCTION PROJECT DATA2. DATE |                                  |  |           |               |  |
|---|----------------------------------|--|-----------|---------------|--|
|   |                                  | (computer generated)   |           |               |  |
| 2 D   | ANG                              |  |           | February 2016 |  |
| 3. IN   | STALLATION .                     | AND LOCATION   |           |               |  |
| ELLI  | INGIUN FILLD,                    | , IEXAS  |           |               |  |
| 5 PR  | OIFCT TITLE                      |  | 7 PROIF   | CT NUMBER     |  |
| CON   | SOLIDATE CRI                     | EW READINESS FACILITY  | /.11001   |               |  |
| -   |                                  |  | FV        | WJH099082     |  |
|   |                                  |  |           |               |  |
| 12.   | SUPPLEMENT                       | 'AL DATA:  |           |               |  |
|   |                                  |  |           |               |  |
| a.  | Estimated Desig                  | gn Data:   |           |               |  |
|   | (1) Status                       |  |           |               |  |
|   | (1) Status.<br>(a) Date $\Gamma$ | lasion Started   |           | SED 2015      |  |
|   | (a) Date D                       | estign Staticu   |           | No            |  |
|   | (c) Percent                      | t Complete as of Ian 2016  |           | 35%           |  |
|   | * (d) Date 3'                    | 5% Decigned  |           | DFC 2015      |  |
|   | (e) Date D                       | 170 Designed   |           | MAR 2016      |  |
|   | (f) Type of                      | f Design Contract  |           | MAR 2010      |  |
|   | (I) Type of                      | . Desigli Connaci<br>v Study/Life Cycle analycic was/will be performed |           | No            |  |
|   | (g) Energy                       | Study/Life-Cycle analysis was/ will be performed                       |           | INU           |  |
|   | (2) Basis:                       |  |           |               |  |
|   | (a) Standar                      | rd or Definitive Design -  |           | No            |  |
|   | (h) Where                        | Design Was Most Recently Used -  |           | 1.0           |  |
|   |                                  | Design was wost recently esec  |           |               |  |
|   | (3) Total Cost (                 | (c) = (a) + (b)  or  (d) + (e):  |           | (\$000)       |  |
|   | (a) Produc                       | tion of Plans and Specifications                                       |           | 46            |  |
|   | (h) All Oth                      | her Design Costs   |           | 1             |  |
|   | (c) Total                        |  |           | 47            |  |
|   | (d) Contra                       | rt   |           | 47            |  |
|   | (e) In-Hou                       |  |           | .,            |  |
|   | (c) in 110 a                     |  |           |               |  |
|   | (4) Contract A                   | ward (Month/Year)  |           | OCT 2016      |  |
|   | (.)                              |  |           | 001           |  |
|   | (5) Constructio                  | n Start  |           | MAR 2017      |  |
|   |                                  |  |           |               |  |
|   | (6) Constructio                  | n Completion   |           | MAR 2018      |  |
|   |                                  |  |           |               |  |
|   | * Indicates                      | completion of Project Definition with Parametric Cost Estimate         | e which   |               |  |
|   | is comparal                      | ble to traditional 35% design to ensure valid scope and cost and       | executabi | lity.         |  |
|   |                                  |  |           |               |  |
| b.  | Equipment assoc                  | iated with this project will be provided from other appropriation      | ns:       | N/A           |  |
|   |                                  |  |           |               |  |
|   |                                  |  |           |               |  |
|   |                                  |  |           |               |  |
|   |                                  |  |           |               |  |
|   |                                  |  |           |               |  |
|   |                                  |  |           |               |  |
|   |                                  |  |           |               |  |
|   |                                  |  |           |               |  |
|   |                                  |  |           |               |  |
|   |                                  |  |           |               |  |
|   |                                  |  |           |               |  |
| PO  | INT OF CONTA                     | ACT: NGB/A7AD  |           |               |  |
|   |                                  | (240) 612-8767   |           |               |  |
|   |                                  |  |           |               |  |

| 1. COMPONENT                          | EX 2017 GUAS  | O AND RESERVE                |                                   | 2. DATE                              |  |  |  |
|---------------------------------------|---|------------------------------|-----------------------------------|--------------------------------------|--|--|--|
| ANG                                   | MILITARY C  | ONSTRUCTION                  | - February 2016                   |                                      |  |  |  |
| 3. INSTALLATION                       | AND LOCATION  |                              |                                   | 4. AREA CONSTR                       |  |  |  |
| BURLINGTON INT                        | ERNATIONAL AIRPORT, BURLINGTON  |                              |                                   | 1.04                                 |  |  |  |
| 5. FREQUENCY A<br>12 monthly asemble  | ND TYPE OF UTILIZATION<br>les per year, 15 days annual field training pe        | er year, daily use for train | ing and by technician             | & AGR forces.                        |  |  |  |
|                                       |   |                              |                                   |                                      |  |  |  |
|                                       |   |                              |                                   |                                      |  |  |  |
| 6. OTHER ACTIVE<br>Four Army National | E/GUARD/RESERVE INSTALLATIONS WIT   | THIN 15 MILES RADIUS         |                                   |                                      |  |  |  |
|                                       |   |                              |                                   |                                      |  |  |  |
|                                       |   |                              |                                   |                                      |  |  |  |
| 7. PROJECTS RE                        | QUESTED IN THIS PROGRAM   |                              |                                   |                                      |  |  |  |
| CATEGORY<br>CODE                      | PROJECT TITLE   | <u>SCOPE</u>                 | COST <u>D</u><br><u>\$(000)</u> S | <u>ESIGN STATUS</u><br>TART COMPLETE |  |  |  |
| 171-212 F-35                          | Beddown 4- Bay Flight Simulator   | 2,269 SM (24,427 SF)         | 4,500 A                           | ug 15 Oct 16                         |  |  |  |
|                                       |   |                              |                                   |                                      |  |  |  |
|                                       |   |                              |                                   |                                      |  |  |  |
|                                       |   |                              |                                   |                                      |  |  |  |
|                                       |   |                              |                                   |                                      |  |  |  |
|                                       |   |                              |                                   |                                      |  |  |  |
|                                       |   |                              |                                   |                                      |  |  |  |
| 8. STATE RESER                        | VE FORCES FACILITIES BOARD RECOM  |                              | 24 .lul                           | 14                                   |  |  |  |
|                                       |   |                              | (Dat                              | e)                                   |  |  |  |
| 9. LAND ACQUISI                       | TION REQUIRED   |                              | <u></u>                           | 3                                    |  |  |  |
|                                       |   |                              | (Number o                         | of Acres)                            |  |  |  |
| CATEGORY                              |   |                              | SCOPE                             | COST<br>\$(000)                      |  |  |  |
|                                       | <u>PROJECT IIILE</u>  |                              | <u>300FL</u>                      | <u>\$(000)</u>                       |  |  |  |
| 112-211 Upgr<br>112-211 Upgr          | ade Taxiway F & North Arm/Disarm Pad<br>ade Taxiway D and Replace Arm/Disarm Pa | ad- Phase II                 | 51,859 SM (62,<br>27,151 SM (32,  | 025 SY) 7,000<br>473 SY) 6,500       |  |  |  |
| R&M                                   | Unfunded Requirement: \$19,800,000  |                              |                                   |                                      |  |  |  |
|                                       |   |                              |                                   |                                      |  |  |  |
|                                       |   |                              |                                   |                                      |  |  |  |
|                                       |   |                              |                                   |                                      |  |  |  |
|                                       |   |                              |                                   |                                      |  |  |  |
|                                       |   |                              |                                   |                                      |  |  |  |
|                                       |   |                              |                                   |                                      |  |  |  |

| 1. COMPONENT<br>ANG                    |                                | FY 2017 G<br>MILITA | GUARD AND | D RESERVI       | E          | 2. DA<br>Febru | ATE<br>Jary 2016 |  |  |  |
|--|--------------------------------|---------------------|-----------|-----------------|------------|----------------|------------------|--|--|--|
| 3. INSTALLATION A                      | ND LOCATION                    |                     |           |                 |            |                |                  |  |  |  |
| BURLINGTON INTER                       | RNATIONAL AIRPOR               | T, BURLINGT         | ON        |                 |            |                |                  |  |  |  |
| 11. PERSONNEL STRENGTH AS OF 15 Feb 15 |                                |                     |           |                 |            |                |                  |  |  |  |
|  |                                | PERMAN              |           |                 | GUAR       |                | =                |  |  |  |
|  | TOTAL                          | <u>OFFICER</u>      | ENLISTED  | <u>CIVILIAN</u> | TOTAL      |                | ENLISTED         |  |  |  |
| AUTHORIZED                             | 384                            | 51                  | 333       | 0               | 1,126      | 139            | 987              |  |  |  |
| ACTUAL                                 | 375                            | 50                  | 325       | 0               | 1,089      | 140            | 949              |  |  |  |
| 12. RESERVE UNIT                       | DATA                           |                     |           |                 |            |                |                  |  |  |  |
|  |                                |                     |           |                 |            | STRENGTH       | 1                |  |  |  |
| UNIT DESI                              | I <u>GNATION</u><br>r Squadron |                     |           |                 | AUTHORIZED |                | ACTUAL<br>26     |  |  |  |
| 158 Aircraf                            | t Maintenance Squad            | ron                 |           |                 | 233        |                | 174              |  |  |  |
| 158 Civil E                            | ngineering Squadron            |                     |           |                 | 99<br>31   |                | 102              |  |  |  |
| 158 Compt                              | roller Flight                  |                     |           |                 | 12         |                | 12               |  |  |  |
| 158 Detach                             | nment 1                        |                     |           |                 | 0          |                | 0                |  |  |  |
| 158 Fighter                            | r Wing                         |                     |           |                 | 44         |                | 33<br>46         |  |  |  |
| 158 Logisti                            | cs Readiness Squadr            | on                  |           |                 | 76         |                | 74               |  |  |  |
| 158 Mainte                             | enance Operations Flig         | ght                 |           |                 | 53<br>24   |                | 18               |  |  |  |
| 158 Missio                             | n Support Group                | -                   |           |                 | 8          |                | 10               |  |  |  |
| 158 Mainte                             | nance Group                    |                     |           |                 | 257        |                | 14<br>222        |  |  |  |
| 158 Operat                             | tions Group                    |                     |           |                 | 4          |                | 3                |  |  |  |
| 158 Operat<br>158 Securi               | tions Support Flight           |                     |           |                 | 35<br>74   |                | 30<br>67         |  |  |  |
| 158 Studer                             | nt Flight                      |                     |           |                 | 22         |                | 96               |  |  |  |
| 229 Inform<br>495 FG/DF                | ation Operations Squa          | adron               |           |                 | 35<br>46   |                | 30<br>46         |  |  |  |
| VT ANG St                              | tate Headquarters              |                     |           |                 | 35         |                | 33               |  |  |  |
|  |                                | тот                 | ALS       |                 | 1,169      |                | 1,135            |  |  |  |
| 13. MAJOR EQUIPM                       | IENT AND AIRCRAF               | Г                   |           |                 |            |                |                  |  |  |  |
| т                                      | -VPE                           |                     |           |                 |            |                | ΔΟΤΙΙΔΙ          |  |  |  |
| F-16 Aircraft                          |                                |                     |           |                 | 18         |                | 24               |  |  |  |
| Support Equipment                      |                                |                     |           |                 | 176        |                | 184              |  |  |  |
| venicies                               |                                |                     |           |                 | 110        |                | 104              |  |  |  |
|  |                                |                     |           |                 |            |                |                  |  |  |  |
|  |                                |                     |           |                 |            |                |                  |  |  |  |
|  |                                |                     |           |                 |            |                |                  |  |  |  |
|  |                                |                     |           |                 |            |                |                  |  |  |  |
|  |                                |                     |           |                 |            |                |                  |  |  |  |
|  |                                |                     |           |                 |            |                |                  |  |  |  |
|  |                                |                     |           |                 |            |                |                  |  |  |  |
|  |                                |                     |           |                 |            |                |                  |  |  |  |
|  |                                |                     |           |                 |            |                |                  |  |  |  |
|  |                                |                     |           |                 |            |                |                  |  |  |  |
|  |                                |                     |           |                 |            |                |                  |  |  |  |
|  |                                |                     |           |                 |            |                |                  |  |  |  |
|  |                                |                     |           |                 |            |                |                  |  |  |  |
|  |                                |                     |           |                 |            |                |                  |  |  |  |

| 1. COMPONENT                              |   | FY 2017 MILITARY CO   | NSTRUCTIC      | ON PR   | OJECT DA                                       | ТА           | 2.          | DATE              |  |
|---|---|---|----------------|---------|--|--------------|-------------|-------------------|--|
| (computer generated)                      |   |   |                |         |  |              |             |                   |  |
| ANG<br>2 INSTALLATION                     | February 2016   |   |                |         |  |              | oruary 2016 |                   |  |
| 5. INSTALLATION AND LOCATION              |   |   |                |         | 4. PROJECT TITLE<br>E 35 BEDDOWN 4. BAY ELIGHT |              |             |                   |  |
| BURLINGTON INTERNATIONAL AIRPORT. VERMONT |   |   |                |         | LATOR  | GF DATI      |             |                   |  |
| 5. PROGRAM ELEM                           | ENT   | 6. CATEGORY CODE  | 7. PROJEC      | T NUN   | <b>/</b> BER                                   | 8. PROJI     | ECT         | COST(\$000)       |  |
| 526255                                    |   | 171 010   | CLID           | 71500   | ~ ~  |              | <b>.</b> 4  | 500               |  |
| 52635F                                    |   | 171-212   | CUR            | Z1590   | 55   |              | \$4,        | 500               |  |
|   |   | 9. COST   | ESTIMATE       | S       | 1  |              | T           |                   |  |
|   |   | ITEM  |                |         | OUANTT   |              | Г<br>Т      | COST<br>(\$000)   |  |
| F-35 ADD/ALTER FLIGHT SIM                 |   |   |                |         | 2.269  |              | 1           | 3,542             |  |
| ALTER EXISTIN                             | G BUI   | LDING FOR FLIGHT SI   | М              | SM      | 2,269  | 1,5          | 561         | (3,542)           |  |
| SUPPORTING FAC                            | ILITIE  | ES  |                |         |  |              |             | 380               |  |
| UTILITIES                                 |   |   |                | LS      |  |              |             | ( 130)            |  |
| PAVEMENTS<br>SITE IMPROVEN                | TENIT   | 2   |                |         |  |              |             | (100)             |  |
| SUSTAINABILITY                            |   | DENERGY MEASURES  |                |         |  |              |             | (130)             |  |
| SUBTOTAL                                  |   |   |                |         |  |              |             | 4,012             |  |
| CONTINGENCY (5                            | %)  |   |                |         |  |              |             | 201               |  |
| TOTAL CONTRAC                             | Г COS   | ST  |                |         |  |              |             | 4,213             |  |
| SUPERVISION, INS                          | SPECT   | ION AND OVERHEAD (  | 6%)            |         |  |              |             | $\frac{252}{145}$ |  |
| TOTAL REQUEST                             | RUII  |   |                |         |  |              |             | 4,465             |  |
| IOTAL REQUEST                             | (NOUI   | (DLD)   |                |         |  |              |             | 4,500             |  |
| 10. Description of                        | Propo   | sed Construction: Cons                                      | truct a high-  | -bav. V | Weapons S                                      | System T     | raine       | er (WST)          |  |
| facility utilizing con                    | venti   | onal design and construc                                    | tion method    | ls to a | ccommod  | ate the mi   | issio       | n of the          |  |
| facility. Alter exist                     | ing fa  | cility to include raising                                   | roof. Facili   | ties wi | ill be desig                                   | gned as po   | erma        | inent             |  |
| construction in acco                      | rdanc   | e with the DoD Unified                                      | Facilities C   | riteria | (UFC) 1-2                                      | 200-01, C    | Jene        | ral Building      |  |
| Requirements and U                        | JFC 1   | -200-02. The facility sh                                    | ould be com    | patibl  | le with app                                    | plicable D   | DoD,        | Air Force,        |  |
| and base design star                      | idards  | In addition, local mate                                     | erials and co  | nstruc  | ction techr                                    | iques sha    | ill be      | e used where      |  |
| cost effective. This                      | proje   | ct will comply with DoL                                     | ) antiterroris | sm/for  | ce protect                                     | 10n requi    | reme        | ents per          |  |
| unified facilities crit                   | eria.   | Special construction req                                    | uirements:     | existir | lg facility                                    | bay area     | W111        | nave roof         |  |
| some areas of this f                      | ale r-  | (SCIE construction)   | Ission secur   | ity wi  | ii dictate s                                   | ecure con    | Istru       | cuon for          |  |
| Air Conditioning 1                        | 75 KV   | V   |                |         |  |              |             |                   |  |
| 11 REOUREME                               | $\overline{\text{NT}} \cdot \overline{\text{Q}}$  | 80 SM ADEOUATE  | 0 SM SU        | BST     | ANDARD   | · 490 SN     | ſ           |                   |  |
| PROJECT: F-35 B                           | eddov   | wn Add/Alter 4- Bay Fli                                     | ght Simulat    | or (N   | ew Missic                                      | on).         | -           |                   |  |
| <b>REQUIREMENT:</b>                       | The b   | base has been selected to                                   | bed down a     | a squa  | dron of 18                                     | -PAA F-      | 35s.        | The F-35          |  |
| mission at Burlingt                       | on rec  | uires four-each 360-deg                                     | ree visual h   | igh-fio | lelity Flig                                    | ht Simula    | tors        | and               |  |
| associated infrastru                      | cture,  | classified briefing room                                    | s, offices an  | nd sup  | port space                                     | . Simula     | tor d       | elivery is        |  |
| expected in 2019.                         | F-35 a  | ircraft arrive in 2020.                                     |                |         |  |              |             |                   |  |
| CURRENT SITUA                             | CURRENT SITUATION: The base does not have existing facilities to accommodate four F-35 flight               |   |                |         |  |              |             |                   |  |
| simulators. There i                       | simulators. There is sufficient space for 4 F-35 flight simulators and associated training functions in the |   |                |         |  |              |             |                   |  |
| existing facility (BI                     | dg 12   | 0) currently housing fou                                    | r-each F-16    | simul   | ators. The                                     | roof heig    | ght 11      | n this facility   |  |
| is not adequate to s                      | uppor   | t the new, larger F-35 sil                                  | mulators, an   | d the   | existing sp                                    | pace conf    | igura       | ation is not      |  |
| IMPACT IF NOT I                           |   | IDED. The base will no                                      | ot ha ahla to  | hod d   | own the r                                      | auirad F     | 35 f        | light             |  |
| simulators resultin                       | $\frac{100}{0}$ in st   | <u>IDED</u> . The base will he<br>prage and delay costs for | r equinment    | t Mis   | sion esser                                     | ntial traini | ing a       | and               |  |
| certifications canno                      | t be d  | one at Burlington. Sorti                                    | e generation   | n will  | be delayed                                     | d and the    | insta       | allation will     |  |
| not be able to provi                      | de rec  | juired mission capability                                   | to Comban      | tant C  | Commande                                       | ers. Work    | arou        | unds will         |  |
| include aircrew TD                        | Ys to   | other installations with                                    | simulator eq   | luipme  | ent, if train                                  | ning time    | is av       | vailable on       |  |
| busy equipment at o                       | other l   | ocations, at additional c                                   | ost and time   | · ·     |  | -            |             |                   |  |
|   |   |   |                |         |  |              |             |                   |  |

| 1. COMPONENT  |  |                        |               | 2. DATE          |  |  |  |  |  |  |
|---|--|------------------------|---------------|------------------|--|--|--|--|--|--|
|   | FY 2017 MILITARY CONSTRUC                | TION PROJECT D         | ATA           |                  |  |  |  |  |  |  |
| ANG<br>2 INSTALLATION   | (computer gene                           | rated)                 |               | February 2016    |  |  |  |  |  |  |
| 5. INSTALLATION   | AND LOCATION                             |                        |               |                  |  |  |  |  |  |  |
| BURLINGTON INTE   | ERNATIONAL AIRPORT, VERMONT              |                        | 1             |                  |  |  |  |  |  |  |
| 5. PROJECT TITLE  |  |                        | 7. PROJE      | CT NUMBER        |  |  |  |  |  |  |
| F-35 BEDDOWN 4- BAY FLIGHT SIMULATOR CURZ159055   |  |                        |               |                  |  |  |  |  |  |  |
| ADDITIONAL: This project meets the criteria/scope specified in Air Force Handbook 32-1084                 |  |                        |               |                  |  |  |  |  |  |  |
| "Facility Requirements" and the F-35 Facility Requirements Document. Sustainable principles to            |  |                        |               |                  |  |  |  |  |  |  |
| include life cycle cost effective practices will be integrated into design, development, and construction |  |                        |               |                  |  |  |  |  |  |  |
| and Executive orde  | rs. This space can be used by other Co   | 10  USC  2802(c), 3    | and other a   | basis": however  |  |  |  |  |  |  |
| the scope of the pro-   | pject is based on Air National Guard re  | equirements. An e      | conomic an    | alysis is being  |  |  |  |  |  |  |
| prepared comparing  | g the alternatives of new construction,  | revitalization, leas   | ing and sta   | tus quo          |  |  |  |  |  |  |
| operation. Prelimin   | hary analysis of the alternatives indica | te that alter existing | g facility (E | Bldg 120) is the |  |  |  |  |  |  |
| most economical li  | fy-cycle approach.                       |                        |               |                  |  |  |  |  |  |  |
|   |  |                        |               |                  |  |  |  |  |  |  |
| CatCode   |  | Requirement            | Adequate      | Substandard      |  |  |  |  |  |  |
| 171-212 FLGH  | Γ SIMULATOR TRAINING                     | 980 SM                 | 0 SM          | 490 SM           |  |  |  |  |  |  |
|   |  |                        |               |                  |  |  |  |  |  |  |
| AI TED EVISTING   | C BUILL DING EOD ELIGHT SIM2 26          | 0 SM - 24 427 SE       |               |                  |  |  |  |  |  |  |
| ALTER EADTING   | BUILDING FOR FLIGHT SIMZ,20              | 9 SIVI – 24,427 SF     |               |                  |  |  |  |  |  |  |
|   |  |                        |               |                  |  |  |  |  |  |  |
|   |  |                        |               |                  |  |  |  |  |  |  |
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|   |  |                        |               |                  |  |  |  |  |  |  |

| 1. CC   | OMPONENT                   | FY 2017 MILITARY CONSTRUCTION PROJECT DA   | TA                   | 2. DATE          |  |  |  |  |  |
|---|----------------------------|--|----------------------|------------------|--|--|--|--|--|
|   |                            | (computer generated)   |                      | <b>D</b> 1 001 6 |  |  |  |  |  |
| 2 IN  | ANG                        |  |                      | February 2016    |  |  |  |  |  |
| 3. INSTALLATION AND LOCATION<br>BURLINGTON INTERNATIONAL AIRPORT, VERMONT             |                            |  |                      |                  |  |  |  |  |  |
| 5. PR   | OJECT TITLE                |  | 7. PROJI             | ECT NUMBER       |  |  |  |  |  |
| F-35 l  | BEDDOWN 4- H               | 3AY FLIGHT SIMULATOR   | C                    | URZ159055        |  |  |  |  |  |
|   |                            |  |                      |                  |  |  |  |  |  |
| 12.   | SUPPLEMENT                 | AL DATA:   |                      |                  |  |  |  |  |  |
| a.  | Estimated Desig            | gn Data:   |                      |                  |  |  |  |  |  |
|   | (1) Status:                |  |                      |                  |  |  |  |  |  |
|   | (a) Date D                 | esign Started  |                      | AUG 2015         |  |  |  |  |  |
|   | (b) Parame                 | tric Cost Estimates used to develop costs  |                      | YES              |  |  |  |  |  |
|   | (c) Percent                | Complete as of Jan 2016  |                      | 10%              |  |  |  |  |  |
|   | * (d) Date 35              | <sup>9</sup> % Designed  |                      | MAY 2016         |  |  |  |  |  |
|   | (e) Date D                 | esign Complete   |                      | OCT 2016         |  |  |  |  |  |
|   | (f) Type of                | Design Contract  |                      | VEC              |  |  |  |  |  |
|   | (g) Energy                 | Study/Life-Cycle analysis was/will be performed  |                      | YES              |  |  |  |  |  |
|   | (2) Basis:                 |  |                      |                  |  |  |  |  |  |
|   | (a) Standar                | d or Definitive Design -   |                      | No               |  |  |  |  |  |
|   | (b) Where                  | Design Was Most Recently Used -  |                      |                  |  |  |  |  |  |
|   | (3) Total Cost (           | f(z) = (z) + (b)  or  (d) + (e)  |                      | (\$000)          |  |  |  |  |  |
|   | (a) Product                | c = (a) + (b) of (a) + (c).  |                      | (\$000)          |  |  |  |  |  |
|   | (a) Flocuc<br>(b) All Oth  | er Design Costs  |                      | 400              |  |  |  |  |  |
|   | (c) Total                  |  |                      | 400              |  |  |  |  |  |
|   | (d) Contrac                | h  |                      | 450              |  |  |  |  |  |
|   | (e) In-Hou                 | se   |                      | 150              |  |  |  |  |  |
|   |                            |  |                      |                  |  |  |  |  |  |
|   | (4) Contract Av            | vard (Month/Year)  |                      | JAN 2017         |  |  |  |  |  |
|   | (5) Constructio            | n Start  |                      | MAR 2017         |  |  |  |  |  |
|   | (6) Constructio            | n Completion   |                      | MAY 2018         |  |  |  |  |  |
|   | * Indicates<br>is comparal | completion of Project Definition with Parametric Cost Estimate<br>ole to traditional 35% design to ensure valid scope and cost and | e which<br>executabi | lity.            |  |  |  |  |  |
| b. Equipment associated with this project will be provided from other appropriations: |                            |  |                      |                  |  |  |  |  |  |
|   |                            |  |                      |                  |  |  |  |  |  |
|   |                            |  |                      |                  |  |  |  |  |  |
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|   |                            |  |                      |                  |  |  |  |  |  |
| POI   | NT OF CONTA                | CT: NGB/A7AD   |                      |                  |  |  |  |  |  |
|   |                            | (240) 612-4498   |                      |                  |  |  |  |  |  |

## DEPARTMENT OF THE AIR FORCE JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 2017

# APPROPRIATION: MILITARY CONSTRUCTION -- AIR NATIONAL GUARD

#### PROGRAM 313: PLANNING AND DESIGN \$10,462,000

#### PART I -- PURPOSE AND SCOPE

The funds estimated in this program are to provide financing for project planning and design of the construction requirements for the Air National Guard.

# PART II -- JUSTIFICATION OF FUNDS REQUESTED

The funds required for Planning and Design will provide for establishing project construction design of the facilities and for fully evaluating each designed project in terms of technical adequacy and estimated costs.

| (computer generated)       February 2016         3. INSTALLATION AND LOCATION       4. PROJECT TITLE         VARIOUS LOCATIONS         9. COST EXTIMATES         2. COST ESTIMATES         2. COST ESTIMATES         U/M QUANITY       COST         PLANNING AND DESIGN         9. COST ESTIMATES         U/M QUANITY       COST         PLANNING AND DESIGN (P-313)         LS       10,462         10. Description of Proposed Construction: The funds requested will provide for the architectural and engineering services necessary to fully evaluate each project's technical adequacy and estimated cost, and complete final design of facilities. In addition, the funds are required to prepare working drawings, specifications, and project reports for the design of construction projects to be included in future Air National Guard (ANG) Military Construction (MILCON) Programs.         11. REQUIREMENT: As Required PROJECT: Planning and design         REQUIREMENT: The ANG requires planning and design funds for projects that are to be included in future Air National Guard (ANG) Military Construction (MILCON) Programs.   | 1. COMPONENT   | COMPONENT         FY 2017 MILITARY CONSTRUCTION PROJECT DATA         2. DATE |                            |              |                      |                     |              |          |   |
|--|--|--|----------------------------|--------------|----------------------|---------------------|--------------|----------|---|
| ANO       1  | ANG  |  | (compt                     | uter generat | rated) Eebruary 2016 |                     |              |          |   |
| VARIOUS LOCATIONS       PLANNING AND DESIGN         5. PROGRAM ELEMENT       6. CATEGORY CODE       7. PROJECT NUMBER       8. PROJECT COST(\$000)         52276F       999-999       PAYZ170005       \$10,462         9. COST ESTIMATES         U/M QUANITY COST (\$000)         PLANNING AND DESIGN (P-313)       LS       10,462         SUBTOTAL         TOTAL CONTRACT COST       10,462         TOTAL REQUEST       IS       10,462         10. Description of Proposed Construction: The funds requested will provide for the architectural and engineering services necessary to fully evaluate each project's technical adequacy and estimated cost, and complete final design of facilities. In addition, the funds are required to prepare working drawings, specifications, and project reports for the design of construction (MILCON) Programs.         11. REQUIREMENT: As Required       PROJECT: Planning and Design         REQUIREMENT: The ANG requires planning and design funds for projects that are to be included in future Air for the design funds for projects that are to be included in future for the fundation with the fundation of the project fundation for projects that are to be included in future fundation for projects that are to be included in future for the fundation of the project fundation for projects that are to be included in future for the fundation of the project for the design funds for projects that are to be included in future for the fundation of for projects that are to be included in future for the fundatin the fundation for projects that are to be included   | 3. INSTALLATION A  | AND L  | OCATION                    |              | 4. PROJECT TITLE     |                     |              |          |   |
| 5. PROGRAM ELEMENT       6. CATEGORY CODE       7. PROJECT NUMBER       8. PROJECT COST(\$000)         52276F       999-999       PAYZ170005       \$10,462         9. COST ESTIMATES         11EM       U/M       QUANITTY       COST       (\$000)         PLANNING AND DESIGN (P-313)         LS       10,462         TOTAL CONTRACT COST       10,462         TOTAL CONTRACT COST       10,462         TOTAL REQUEST       10,462         10. Description of Proposed Construction: The funds requested will provide for the architectural and engineering services necessary to fully evaluate each project's technical adequacy and estimated cost, and complete final design of facilities. In addition, the funds are required to prepare working drawings, specifications, and project reports for the design of construction projects to be included in future Air National Guard (ANG) Military Construction (MILCON) Programs.       11. REQUIREMENT: As Required         PROJECT: Planning and Design         REQUIREMENT: An Requires planning and design funds for projects that are to be included in future Air National Guard (ANG) Military Construction MILCON) Programs.  | VARIOUS LOCATIONS  |  |                            |              |                      | PLANNING AND DESIGN |              |          |   |
| 52276F       999-999       PAYZ170005       \$10,462         9. COST ESTIMATES         ITEM       U/M       QUANIITY       COST       (\$000)         PLANNING AND DESIGN (P-313)       LS       10,462       10,462         SUBTOTAL       TOTAL CONTRACT COST       10,462       10,462         TOTAL CONTRACT COST       I       10,462       10,462         TOTAL REQUEST       I       I       I       I         10. Description of Proposed Construction: The funds requested will provide for the architectural and engineering services necessary to fully evaluate each project's technical adequacy and estimated cost, and complete final design of facilities. In addition, the funds are required to prepare working drawings, specifications, and project reports for the design of construction projects to be included in future Air National Guard (ANG) Military Construction (MILCON) Programs.         11. REQUIREMENT: As Required       PROJECT: Planning and Design         REQUIREMENT: The ANG requires planning and design funds for projects that are to be included in future Air National Design  | 5. PROGRAM ELEMI   | ENT  | 6. CATEGORY CODE           | 7. PROJE     | CT NUN               | <b>/IBER</b>        | 8. PROJ      | ECT      | COST(\$000)                                     |
| 9. COST ESTIMATES         ITEM       U/M       QUANITY       UNIT       COST         PLANNING AND DESIGN (P-313)       LS       10,462       10,462         SUBTOTAL       TOTAL CONTRACT COST       10,462       10,462         TOTAL CONTRACT COST       10,462       10,462         TOTAL REQUEST       10,462       10,462         10. Description of Proposed Construction: The funds requested will provide for the architectural and engineering services necessary to fully evaluate each project's technical adequacy and estimated cost, and complete final design of facilities. In addition, the funds are required to prepare working drawings, specifications, and project reports for the design of construction projects to be included in future Air National Guard (ANG) Military Construction (MILCON) Programs.         11. REQUIREMENT: As Required       PROJECT: Planning and Design         BEQUIREMENT: The ANG requires planning and design funds for projects that are to be included in future of the during the function in the function is the function of the during the function in the function is the function in the function in the function in the function is the function in the func   | 52276F   | 52276F 999-999 PAYZ170005 \$10,4   |                            |              |                      |                     | ),462        |          |   |
| ITEM       U/M       QUANIITY       COST       (\$000)         PLANNING AND DESIGN (P-313)       LS       LS       10,462         SUBTOTAL       TOTAL CONTRACT COST       10,462         TOTAL CONTRACT COST       10,462         TOTAL REQUEST       10,462         10. Description of Proposed Construction: The funds requested will provide for the architectural and engineering services necessary to fully evaluate each project's technical adequacy and estimated cost, and complete final design of facilities. In addition, the funds are required to prepare working drawings, specifications, and project reports for the design of construction projects to be included in future Air National Guard (ANG) Military Construction (MILCON) Programs.         11. REQUIREMENT: As Required         PROJECT: Planning and Design         BEQUIREMENT: The ANG requires planning and design funds for projects that are to be included in future of the due to the the bit for the due to the funds in the funds in the funds for project is that are to be included in future of the due to the function of the due to the due to the function of the due to the due   | 9. COST ESTIMATES  |  |                            |              |                      |                     |              |          |   |
| PLANNING AND DESIGN (P-313)       LS       10,462         SUBTOTAL       10,462       10,462         TOTAL CONTRACT COST       10,462       10,462         TOTAL REQUEST       10,462       10,462         10. Description of Proposed Construction: The funds requested will provide for the architectural and engineering services necessary to fully evaluate each project's technical adequacy and estimated cost, and complete final design of facilities. In addition, the funds are required to prepare working drawings, specifications, and project reports for the design of construction projects to be included in future Air National Guard (ANG) Military Construction (MILCON) Programs.         11. REQUIREMENT: As Required <u>PROJECT</u> : Planning and Design <u>REQUIREMENT</u> : The ANG requires planning and design funds for projects that are to be included in future of the funds for projects that are to be included in future of the funds for projects that are to be included in future of the funds for projects that are to be included in future of the funds for projects that are to be included in future of the funds for projects that are to be included in future of the funds for projects that are to be included in future of the funds for projects that are to be included in future of the funds for projects that are to be included in future of the funds for projects that are to be included in future of the funds for projects that are to be included in future of the funds for projects that are to be included in future of the funds for projects that are to be included in future of the funds for projects that are to be included in future of the funds for projects that are to be included in future of the funds for projects that are to be included in  | ITEM   |  |                            |              |                      | OUANTIT             | UNI<br>V COS | T        | COST<br>(\$000)                                 |
| <ul> <li>10. Description of Proposed Construction: The funds requested will provide for the architectural and engineering services necessary to fully evaluate each project's technical adequacy and estimated cost, and complete final design of facilities. In addition, the funds are required to prepare working drawings, specifications, and project reports for the design of construction projects to be included in future Air National Guard (ANG) Military Construction (MILCON) Programs.</li> <li>11. REQUIREMENT: As Required <a href="PROJECT">PROJECT</a>: Planning and Design <a href="PROJECT">REQUIREMENT</a>: The ANG requires planning and design funds for projects that are to be included in <a href="Projects">Projects</a> that are to be included in <a href="Projectss">Projects</a> that are to be included in <a href="Projectssis">Projects</a> that are to be included in &lt;a href="Projec&lt;/td&gt;<td>PLANNING AND DI<br/>SUBTOTAL<br/>TOTAL CONTRACT<br/>TOTAL REQUEST</td><td>ESIGN<br/>F COST</td><td><u>ΠΕΜ</u><br/>(P-313)<br/>Γ</td><td></td><td>LS</td><td>QUANIII</td><td></td><td><u> </u></td><td>(\$000)<br/>10,462<br/>10,462<br/>10,462<br/>10,462</td></li></ul> | PLANNING AND DI<br>SUBTOTAL<br>TOTAL CONTRACT<br>TOTAL REQUEST   | ESIGN<br>F COST  | <u>ΠΕΜ</u><br>(P-313)<br>Γ |              | LS                   | QUANIII             |              | <u> </u> | (\$000)<br>10,462<br>10,462<br>10,462<br>10,462 |
| <ul> <li>future MILCON programs. The FY 2017 design funds are needed to complete the design for those projects that are to be included in the FY 2017 MILCON program and to begin the design for those projects to be included in the FY 2017 program. Funds also provide for design of the FY 2017 unspecified minor construction program.</li> <li><u>CURRENT SITUATION</u>: The ANG requires the design money in FY 2017 to ensure the design milestones for the FY 2017 and FY 2018 MILCON Programs, as mandated by Department of Defense (DOD) Instruction 1225.8, are met.</li> <li><u>IMPACT IF NOT PROVIDED</u>: The ANG will not be able to effectively administer future year MILCON programs. Insufficient design funds will translate into late design completion, later construction starts, higher construction costs, and the inability to meet DoD and Congressionally mandated execution rates, and degrade the operational mission and training by the delays in construction completion.</li> </ul>   | ectural and<br>nated cost,<br>ng drawings,<br>iuture Air<br>e included in<br>for those<br>for those<br>2017<br>design<br>t of Defense<br>e year<br>ater<br>ionally<br>in |  |                            |              |                      |                     |              |          |   |
|  |  |  |                            |              |                      |                     |              |          |   |

## DEPARTMENT OF THE AIR FORCE JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 2017

# APPROPRIATION: MILITARY CONSTRUCTION -- AIR NATIONAL GUARD

## PROGRAM 341:UNSPECIFIED MINOR CONSTRUCTION\$17,495,000

#### PART I -- PURPOSE AND SCOPE

The funds estimated in this program are to provide financing for new construction and alteration projects having cost estimates over \$1,000,000 but not exceeding \$3,000,000, which are not otherwise authorized by law.

#### PART II -- JUSTIFICATION OF FUNDS REQUESTED

The funds required for Unspecified Minor Construction will finance projects for which the urgency is such that they could not be included in the regular Military Construction Program for the Air National Guard, and such that they exceed the minor construction authorization limit in the Operation and Maintenance Appropriation.
| 1. COMPONENT   |                 | FY 2017 MILITARY CO  | ONSTRUCT                 | TION PH              | ROJECT D     | ATA                      | 2.              | DATE                    |  |  |  |
|--|-----------------|--|--------------------------|----------------------|--------------|--------------------------|-----------------|-------------------------|--|--|--|
|  |                 | (comp  | uter generat             | ed)                  |              |                          |                 | 2016                    |  |  |  |
| ANG<br>3 INSTALLATION  | AND             | ΙΟΓΑΤΙΟΝ   |                          | 4 I                  | PROIFCT      | TITI F                   | Fet             | oruary 2016             |  |  |  |
| 5. INSTALLATION  |                 | Location   |                          | т. 1                 | ROJLET       | IIILL                    |                 |                         |  |  |  |
| VARIOUS LOCATIC  | DNS             |  |                          | UNSP                 | ECIFIED N    | MINOR C                  | ONS'            | TRUCTION                |  |  |  |
| 5. PROGRAM ELEM  | ENT             | 6. CATEGORY CODE   | 7. PROJE                 | CTNUN                | MBER         | 8. PROJ                  | ECT             | COST(\$000)             |  |  |  |
| 52276F   |                 | 999-999  | PA                       | YZ1700               | 006          |                          | \$17            | ',495                   |  |  |  |
|  |                 | 9. COST  | ESTIMAT                  | ES                   |              | 1                        |                 |                         |  |  |  |
|  |                 | ITEM   |                          | U/M                  | OUANTIT      | UNI<br>Y COS             | T<br>T          | COST<br>(\$000)         |  |  |  |
| UNSPECIFIED MIN  | OR C            | ONSTRUCTION (P-341)  |                          | LS                   | Quint        |                          | -               | 17,495                  |  |  |  |
| SUBTOTAL   |                 | ۲.   |                          |                      |              |                          |                 | 17,495                  |  |  |  |
| TOTAL REQUEST  |                 |  |                          |                      |              |                          |                 | 17,495                  |  |  |  |
|  |                 |  |                          |                      |              |                          |                 |                         |  |  |  |
|  |                 |  |                          |                      |              |                          |                 |                         |  |  |  |
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|  |                 |  |                          |                      |              |                          |                 |                         |  |  |  |
|  |                 |  |                          |                      |              |                          |                 |                         |  |  |  |
|  | _               |  |                          |                      |              |                          |                 |                         |  |  |  |
| 10. Description of F   | ropo:<br>se aut | sed Construction: Provi<br>horized by law and havi               | des fundin<br>ng a funde | g for ur<br>d cost l | specified    | minor cc                 | nstru           | uction<br>1 \$3 000 000 |  |  |  |
| Projects include con   | struct          | ion, alteration, or conve  | rsion of pe              | rmaner               | t or temp    | orary faci               | lities          | s. The                  |  |  |  |
| Secretary of the Air Force has the authority to approve projects of this nature under the provisions of 10 U. S. Code, 18233a and 10 U. S. Code, 2805. |                 |  |                          |                      |              |                          |                 |                         |  |  |  |
| 10 U. S. Code, 18233a and 10 U. S. Code, 2805.<br>11. REQUIREMENT: As Required   |                 |  |                          |                      |              |                          |                 |                         |  |  |  |
| 10 U. S. Code, 18233a and 10 U. S. Code, 2805.   11. REQUIREMENT: As Required   PROJECT: Unspecified Minor Construction Program                        |                 |  |                          |                      |              |                          |                 |                         |  |  |  |
| REQUIREMENT:   | This            | program provides the m   | eans of acc              | complis              | hing urgei   | nt, or unf               | orese           | een projects            |  |  |  |
| costing over \$1,000   | ,000,           | but not exceeding \$3,00   | 0,000. Th                | e proje              | ct requirer  | nents are                | anti            | cipated to              |  |  |  |
| arise during late FY   | 2016            | 5 or FY 2017, and would  | be needed                | to sati              | sfy critica  | l, urgent                | miss            | ion                     |  |  |  |
| environmental requ   | jon sy<br>ireme | ents. The late identificat                                       | ion of thes              | e requi              | rements pr   | aiui, saie<br>revents th | ty, a<br>neir i | nd<br>nclusion          |  |  |  |
| in the FY 2017 MIL   | LCON            | program and the project  | ts cannot                | wait for             | the FY 20    | 018 prog                 | ram.            | The                     |  |  |  |
| requested funds are  | not a           | percent of the budget, b   | ut are base              | ed on hi             | istorical tr | ends. Ro                 | outine          | e and                   |  |  |  |
| non-urgent projects  | are n           | ot funded from this account $\mathbf{J}$ . As in the recent past | ount.<br>it is expec     | ted that             | the Air F    | orce will                | cont            | inue to                 |  |  |  |
| transfer missions an   | nd for          | ce structure into the AN   | G. These a               | aircraft             | conversio    | ns and be                | eddor           | wns generate            |  |  |  |
| facility requirement   | s that          | are often late-to-need u   | sing norma               | al MILO              | CON prog     | ramming                  | aver            | nues. The               |  |  |  |
| urgency of the requi   | ired p          | rojects is driven by the a                                       | arrival of n             | ew airc              | craft and e  | quipment                 | :, or 1<br>h    | the need to             |  |  |  |
| IMPACT IF NOT F  | ROV             | TDED: Unable to adequ  | ately supp               | ort mis              | sion conv    | ersions a                | nd be           | eddowns.                |  |  |  |
| More expensive wo  | rkaro           | unds will have to be use   | d. Formal                | reprog               | ramming i    | s the only               | y oth           | er option               |  |  |  |
| available; however,  | fund            | s may not be available fo  | or these rep             | program              | nming acti   | ons.                     |                 |                         |  |  |  |
|  |                 |  |                          |                      |              |                          |                 |                         |  |  |  |
|  |                 |  |                          |                      |              |                          |                 |                         |  |  |  |

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#### DEPARTMENT OF THE AIR FORCE AIR NATIONAL GUARD MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2017

**SECTION III** 

### **FUTURE YEARS DEFENSE PLAN (FYDP)**

FISCAL YEAR LISTING

| APPN Project Number Installation                                      | Project Number Installation                                    | Installation  |        | State | Poject Title                                   | Program<br>Element<br>Code | Facility<br>Category<br>Code | Budget Amount (\$000)  | Change from<br>FY16PB  | Explanation of Changes<br>Vas 2017 in FV16 PB. State #1 FV17 MILCON   | Footprint |
|---|--|---|--------|-------|--|----------------------------|------------------------------|------------------------|------------------------|---|-----------|
| 18 3830 JLW S019054 New Castle County Airport                         | JLW S019054 New Castle County Airport                          | New Castle County Airport                           |        | DE    | teplace Fuel Cell and Corrosion Control Hangar | 52276F                     | 211-179                      | 11,100                 | 1                      | Vas 2017 in FY16 PB. State #1 FY17 MILCON<br>ofortly.   | Existing  |
| 18 3830 XDQU109057 Savannah/Hilton Head IAP                           | XDQU109057 Savannah/Hilton Head IAP                            | Savannah/Hitton Head IAP                            |        | GA    | 2onsolidate-MX Hngr/Shops                      | 52276F                     | 211-111                      | 15,500                 |                        | teplace bidg 199. Consolidation.  | New       |
| 8 3830 WEAS079054 Louisville International Airport - Standiford Field | WEAS079054 Louisville International Airport - Standiford Field | Louisville International Airport - Standiford Field | -      | Ŷ     | Add/Alter Response Forces (RF) Facility        | 54123F                     | 171-445                      | 8,900                  |                        | Vas 2018 in FV16 PB. State #1 FV17 MILCON<br>infority. Project includes EMEDS and Fatality Search<br>earn in addition to the CRG. Econ Analysis needs<br>inal coordination for NGB signature. | New       |
| 18   3830   SPBN019139   Otis ANGB   MA                               | SPBN019139 Oils ANGB   | Otis ANGB   | MA     |       | Donsolidate Base Civil Engineer Facilities     | 52276F                     | 219-944                      | 7,700                  |                        |   | Existing  |
| 18 3830 AJXF039040 Joint Base Andrews MD                              | AJXF039040 Joint Base Andrews MD                               | Joint Base Andrews                                  | QW     |       | .oad Crew Training/Corrosion Control           | 52276F                     | 171-875                      | 5,000                  |                        | tate #1 FY17 MILCON priority. Was FY18<br>PB16). Munitions Load Crew Training/Corrosion<br>Control Facility   | New       |
| 18 3830 ULYB049040 Rosecrans MAP MO                                   | ULYB049040 Rosecrans MAP MO                                    | Rosectans MAP MO                                    | QM     |       | teplace Communications Facility                | 52276F                     | 131-111                      | 6,000                  |                        |   | New       |
| 18 3830 WYTD109008 Toledo Express Airport OH                          | WYTD109008 Toledo Express Airport OH                           | Toledo Express Airport OH                           | Н      |       | ndoor Small Arms Range                         | 52276F                     | 171-475                      | 6,000                  |                        |   | New       |
| 18 3830 KJAQ119006 Klamath Falls Airport-Kingsley Field OR            | KJAQ119006 Klamath Falls Airport-Kingsley Field OR             | Klamath Falls Airport-Kingsley Field                | OR     | -     | Sonstruct Corrosion Control Hangar             | 52276F                     | 211-159                      | 8,500                  |                        | state #2 FY17 MILCON priority. Increased Flying<br>ours means increased MX demands.   | New       |
| 18 3830 LKLW099101 Fort Indiantown Gap ANG Station PA                 | LKLW099101 Fort Indiantown Gap ANG Station                     | Fort Indiantown Gap ANG Station                     | PA     | -     | Derations and Training/Dining Hall             | 52276F                     | 722-351                      | 8,000                  | 400                    | state #1 FY17 MILCON priority. Replace Operations<br>and Training and Dining Hall Facilities  | New       |
| 18 3830 LUXC099042 Joe Foss Field SD                                  | LUXC099042 Joe Foss Field SD                                   | Joe Foss Field                                      | SD     |       | vircraft Maintenance Shops                     | 52276F                     | 217-712                      | 12,300                 | 41                     | Vas 2017 in FV16 PB. State #1 FV17 MILCON<br>oficity.   | New       |
| 18 3830 PSXE999132 McGhee Tyson Airport TN                            | PSXE999132 McGhee Tyson Airport TN                             | McGhee Tyson Airport                                | Z<br>L |       | teplace KC 135 Maintenance Hangar and Shops    | 52276F                     | 211-111                      | 23,000                 |                        | istate #1 MILCON priority for FY17. Economic<br>vnalysis underway. RAC 2 and FSD 2.   | New       |
| 18 3830 PAYZ180005 Unspecified VL                                     | PAYZ180005 Unspecified VL                                      | Unspecified   | ٨L     |       | Janning and Design                             | 52276F                     | 961-000                      | 16,568                 |                        |   |           |
| 18   3830   PAYZ180006   Unspecified   VL                             | PAYZ180006 Unspecified VL                                      | Unspecified VL                                      | ۲      |       | Jnspecified Minor Construction                 | 52276F                     | 962-000                      | 21,044                 |                        |   |           |
|   |  |   |        |       | TOTAL MAJOR CONSTRUCTION                       |                            |                              | 149,612                |                        |   |           |
| APPN Project Number Installation State                                | Project Number Installation State                              | Installation  | State  |       | Project Title                                  | Program<br>Element<br>Code | Facility<br>Category<br>Code | Budget Am ount (\$000) | Change from<br>FY16 PB | Explanation of Changes  | Footprint |
| 19 3830 BRKR009063 Birmingham International Airport AL                | BRKR009063 Birmingham International Airport AL                 | Birmingham International Airport                    | AL     |       | security and Services Training Facility        | 52276F                     | 730-835                      | 6,400                  |                        | Vas 2016 in FV15PB. Econ Analysis dated<br>2010. State #2 FY17 MILCON priority.   | New       |

| Component | F    | APPN | Project Number | Installation                              | State | Project Title                                    | Program<br>Element<br>Code | Facility<br>Category<br>Code | Budget Amount C<br>(\$000) | Change from<br>FY16PB  | Explanation of Changes  | Footprint |
|-----------|------|------|----------------|---|-------|--|----------------------------|------------------------------|----------------------------|------------------------|---|-----------|
| Guard     | 2019 | 3830 | CRWU139039     | Buckley Air Force Base                    | со    | Construct Corrosion Control and Fuel Cell Hangar | 52276F                     | 211-159                      | 11,000                     |                        | state MILCON #1 for FY17.   | New       |
| Guard     | 2019 | 3830 | SAKW109201     | Northwest Field-Anderson AFB              | GU    | RED HORSE Operational Facility                   | 52276F                     | 171-445                      | 6,000                      | 800                    | roject may be execuable with UMMC but not at full<br>cope.  | New       |
| Guard     | 2019 | 3830 | JLQN049119     | General Wayne A. Downing Peoria IAP (ANG) | IL    | Fire Crash/Rescue Station                        | 52276F                     | 130-142                      | 6,000                      | (14)                   | istels #1 FY17 MILCON priority. Base is primary for<br>FR. Top base MILCON priority. Construct New<br>Fire Crash/Rescue Station (Current Mission) | Existing  |
| Guard     | 2019 | 3830 | MBMV099170     | W. K. Kellogg Airport                     | MI    | Upgrade Main Base Entrance                       | 52276F                     | 730-839                      | 4,000                      | 57 S H                 | state #3 FY17 MILCON priority. May have P.341<br>olution. Force Protection Measures - Upgrade Main<br>dase Entrance                               | New       |
| Guard     | 2019 | 3830 | LR XQ109002    | Jackson International Airport             | WS    | Fire Crash and Rescue Station                    | 52276F                     | 130-142                      | 000'6                      |                        | state #1 FY17 MILCON priority.  |           |
| Guard     | 2019 | 3830 | NGCB119030     | Lincoln MAP                               | NE    | Aerial Port and Mobility Processing Facility     | 52276F                     | 171-873                      | 6,000                      |                        |   | New       |
| Guard     | 2019 | 3830 | AQRC069222     | Atlantic City International Airport       | ſN    | Dining Hall and Services Facility                | 52276F                     | 722-351                      | 9,500                      |                        |   | New       |
| Guard     | 2019 | 3830 | EUBC009109     | Camp Perry ANG Station                    | ЮН    | RED HORSE Logistics Complex                      | 52276F                     | 442-758                      | 6,000                      |                        |   | New       |
| Guard     | 2019 | 3830 | PBXP929798     | Mansfield Lahm Airport                    | НО    | Replace Fire Station                             | 52276F                     | 130-142                      | 7,500                      |                        |   | New       |
| Guard     | 2019 | 3830 | XGFG139001     | Dane County Regional-Truax Field          | WI    | ADAL Bldg 500 for Medical Training               | 52276F                     | 171-450                      | 5,000                      |                        | state #1 FY17 MILCON priority.  | New       |
| Guard     | 2019 | 3830 | PAYZ190005     | Unspecified                               | ٧L    | Planning and Design                              | 52276F                     | 961-000                      | 20,338                     |                        |   |           |
| Guard     | 2019 | 3830 | PAYZ190006     | Unspecified                               | ٨L    | Unspecified Minor Construction                   | 52276F                     | 962-000                      | 24,376                     |                        |   |           |
|           |      |      |                |   |       | TOTAL MAJOR CONSTRUCTION                         |                            |                              | 124,114                    |                        |   |           |
| Component | Ę    | APPN | Project Number | Installation                              | State | Project Title                                    | Program<br>Element<br>Code | Facility<br>Category<br>Code | Budget Amount C (\$000)    | Change from<br>FY16 PB | Explanation of Changes  | Footprint |
| Guard     | 2020 | 3830 | XHEA109012     | Tucson International airport              | AZ    | Construct Base Entry Complex                     | 52276F                     | 730-839                      | 5,300                      |                        | state #1 FY17 MILCON priority.  | New       |
| Guard     | 2020 | 3830 | JLW S069156    | New Castle County Airport                 | DE    | C-130 Aircraft Maintenance Shops                 | 52276F                     | 211-157                      | 8,700                      |                        |   | New       |

| Component | Ł    | APPN | Project Number | Installation                            | State | Project Title                              | Program<br>Element<br>Code | Facility<br>Category<br>Code | Budget Amount C<br>(\$000) | Change from<br>FY16PB  | Explanation of Changes   | Footprint |
|-----------|------|------|----------------|---|-------|--|----------------------------|------------------------------|----------------------------|------------------------|--|-----------|
| Guard     | 2020 | 3830 | BXRH019091     | Boise Air Terminal( Gowan Field)        | ٩     | Operations, Training/Medical Training      | 52276F                     | 171-445                      | 11,600                     |                        | state #1 FY17 MILCON priority. Was FY18 in<br>-Y16PB. EA says new construction best alternative.<br>:ststing (B400) has high nbr of work orders. | Existing  |
| Guard     | 2020 | 3830 | ULYB049048     | Rosecrans Mernorial Airport             | OW    | Repl AATTC Aircrit Prkg Apron              | 52276F                     | 113-321                      | 000'6                      | 1                      | Check scope  | New       |
| Guard     | 2020 | 3830 | WKVB109058     | Francis S. Gabreski Airport             | ž     | Security Forces and Communication Training | 52276F                     | 730-835                      | 14,400                     | _ *                    | RC and JSIVA on file. Replace Security Forces<br>and Communication Training Facility   |           |
| Guard     | 2020 | 3830 | TWLR039103     | Quonset State Airport                   | R     | Replace Fire Station                       | 52276F                     | 130-142                      | 10,000                     |                        | day have UMMC/SRM solution.  | New       |
| Guard     | 2020 | 3830 | PAYZ200005     | Unspecified                             | ٨٢    | Planning and Design                        | 52276F                     | 000-196                      | 11,936                     |                        |  |           |
| Guard     | 2020 | 3830 | PAYZ200006     | Unspecified                             | ٨٢    | Unspecified Minor Construction             | 52276F                     | 962-000                      | 13,757                     |                        |  |           |
| Guard     | 2020 | 3830 | LYBH009133     | Yeager                                  | Ŵ     | Replace Communications Training Facility   | 52276F                     | 131-111                      | 6,000                      |                        |  | Existing  |
|           |      |      |                |   |       | TOTAL MAJOR CONSTRUCTION                   |                            |                              | 90,693                     |                        |  |           |
| Component | Ŀ    | APPN | Project Number | Installation                            | State | Project Title                              | Program<br>Element<br>Code | Facility<br>Category<br>Code | Budget Amount C<br>(\$000) | Change from<br>FY16 PB | Explanation of Changes   | Footprint |
| Guard     | 2021 | 3830 | FAKZ049053     | Montgomery Regional Airport (ANG) Base  | AL    | Add Fire Crash/Rescue Station              | 52276F                     | 130-142                      | 7,400                      |                        |  |           |
| Guard     | 2021 | 3830 | AXQD049060     | Barnes Municipal Airport                | MA    | Replace Engine, ASE and NDI Shops          | 52276F                     | 211-157                      | 9,000                      |                        |  |           |
| Guard     | 2021 | 3830 | FJRP009093     | Charlotte/Douglas International Airport | NC    | Operations and Training Facility           | 52276F                     | 171-445                      | 6,600                      | (216)                  |  | New       |
| Guard     | 2021 | 3830 | SZCQ099041     | Pease International Tradeport ANG       | HZ    | Indoor Small Arms Range                    | 52276F                     | 179-475                      | 8,200                      |                        |  | New       |
| Guard     | 2021 | 3830 | AQRC099002     | Atlanéc City International Airport      | Z     | Maintenance Hangar and Shops               | 52276F                     | 211-111                      | 29,000                     |                        | ADAL Maintenance Hangar and General Purpose<br>Shops   | New       |
| Guard     | 2021 | 3830 | FW JH059016    | Ellington Field                         | Ϋ́    | Replace Security Forces Facility           | 52276F                     | 730-835                      | 5,800                      |                        |  | New       |
| Guard     | 2021 | 3830 | PAYZ210005     | Unspecified                             | ۲     | Planning and Design                        | 52276F                     | 961-000                      | 5,758                      |                        |  |           |

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| Component | FY   | APPN | Project Number | Installation                           | State | Project Title                  | Program<br>Element<br>Code | Facility<br>Category<br>Code | Budget Amount (<br>(\$000) | Change from<br>FY16PB | Explanation of Changes | Footprint |
|-----------|------|------|----------------|--|-------|--------------------------------|----------------------------|------------------------------|----------------------------|-----------------------|------------------------|-----------|
| Guard     | 2021 | 3830 | PAYZ210006     | Unspecified                            | ۲     | Unspecified Minor Construction | 52276F                     | 962-000                      | 0'360                      |                       |                        |           |
| Guard     | 2021 | 3830 | HTUV089012     | General Mitchell International Airport | M     | Replace Fire Station           | 52276F                     | 130-142                      | 8,300                      |                       |                        | Existing  |
|           |      |      |                |  |       | TOTAL MAJOR CONSTRUCTION       |                            |                              | 89,418                     |                       |                        |           |

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#### DEPARTMENT OF THE AIR FORCE AIR NATIONAL GUARD MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2017

**SECTION III** 

### **FUTURE YEARS DEFENSE PLAN (FYDP)**

**STATE/INSTALLATION LISTING** 

| nent | F    | APPN | Project Number | Installation                          | State | Project Title                                    | Program<br>Element<br>Code | Facility<br>Category<br>Code | Budget Amount (<br>(\$000) | Changes from FY<br>16 PB | Explanation of Changes   | Footprint |  |
|------|------|------|----------------|---------------------------------------|-------|--|----------------------------|------------------------------|----------------------------|--------------------------|--|-----------|--|
|      | 2019 | 3830 | BRKR009063     | Birmingham International Airport      | AL (  | Security and Services Training Facility          | 52276F                     | 730-835                      | 6,400                      |                          | ≘oon Analysis dated 2010. State #2 FY17 MILCON priority.   | New       |  |
|      | 2021 | 3830 | FAKZ049053     | Montgomery Regional Airport (ANG) Bat | AL /  | Add Fire Crash/Rescue Station                    | 52276F                     | 130-142                      | 7,400                      |                          |  |           |  |
|      |      |      |                |                                       |       |  |                            |                              |                            |                          |  |           |  |
|      | 2020 | 3830 | XHEA109012     | Tucson International airport          | AZ    | Construct Base Entry Complex                     | 52276F                     | 730-839                      | 5,300                      |                          | State #1 FY17 MILCON priority.   | New       |  |
|      |      |      |                |                                       |       |  |                            |                              |                            |                          |  |           |  |
| σ    | 2019 | 3830 | CRWU139039     | Buckley Air Force Base                | 8     | Construct Corrosion Control and Fuel Cell Hangar | 52276F                     | 211-159                      | 11,000                     |                          | State MILCON #1 for FY17.  | New       |  |
|      |      |      |                |                                       |       |  |                            |                              |                            |                          |  |           |  |
| g    | 2018 | 3830 | JLWS019054     | New Castle County Airport             | DE    | Replace Fuel Cell and Corrosion Control Hangar   | 52276F                     | 211-179                      | 11,100                     | 5                        | Nas 2017 in FV16 PB. State #1 FV17 MILCON priority.  | Existing  |  |
| p    | 2020 | 3830 | JLWS069156     | New Castle County Airport             | DE    | C-130 Aircraft Maintenance Shops                 | 52276F                     | 211-157                      | 8,700                      |                          | State #2 FV16 MILCON priority.   | New       |  |
|      |      |      |                |                                       |       |  |                            |                              |                            |                          |  |           |  |
| rd   | 2018 | 3830 | XDQU109057     | Savannah/Hilton Head IAP              | GA (  | 2onsolidate-MX Hng//Shops                        | 52276F                     | 211-111                      | 15,500                     |                          |  | New       |  |
|      |      |      |                |                                       |       |  |                            |                              |                            |                          |  |           |  |
| p    | 2019 | 3830 | SAKW109201     | Northwest Field-Anderson AFB          | GU I  | RED HORSE Operational Facility                   | 52276F                     | 171-445                      | 6,000                      | 800                      | Project may be execuable with UMMC but not at full scope.  | New       |  |
|      |      |      |                |                                       |       |  |                            |                              |                            |                          |  |           |  |
| σ    | 2020 | 3830 | BXRH019091     | Boise Air Terminal( Gowan Field)      | Q     | Dperations, Training/Medical Training            | 52276F                     | 171-445                      | 11,600                     |                          | State #1 FY17 MILCON priority. Was FY18 in FY16PB. EA<br>says new construction best alternative. Existing (B400) has<br>high nbr of work orders. | Existing  |  |
|      |      |      |                |                                       |       |  |                            |                              |                            |                          |  |           |  |

| A           | Ndd    | Project Number | Installation                                | State | Project Title                              | Program<br>Element<br>Code | Facility<br>Category<br>Code | Budget Amount<br>(\$000) | Changes from FY<br>16 PB | Explanation of Changes  | Footprint |
|-------------|--------|----------------|---|-------|--|----------------------------|------------------------------|--------------------------|--------------------------|---|-----------|
| 3830 JLQN04 | JLQN04 | 9119           | General Wayne A. Downing Peoria IAP I       | L     | Fire Crash/Rescue Station                  | 52276F                     | 130-142                      | 6,000                    | (14)                     | itate #1 FY17 MILCON priority. Base is primary for CFR.<br>Top base MILCON priority. Construct New Fire Crash/Rescue<br>Station (Current Mission)   | Existing  |
|             |        |                |   |       |  |                            |                              |                          |                          |   |           |
| 3830 WEAS   | WEA!   | \$079054       | Louisville International Airport - Standifo | КY    | Add/Atter Response Forces (RF) Facility    | 54123F                     | 171-445                      | 8,900                    |                          | Nas 2018 in FV16 FB. State #1 FV17 MILCON priority.<br>Project includes EMEDS and Fatality Search team in addition to<br>he CRG. Econ Analysis needs final coordination for NGB<br>signature. | New       |
|             |        |                |   |       |  |                            |                              |                          |                          |   |           |
| 3830 SPI    | SPI    | BN019139       | Otis ANGB                                   | MA    | Consolidate Base Civil Engineer Facilities | 52276F                     | 219-944                      | 7,700                    |                          |   | Existing  |
| 3830 A>     | A      | (QD049060      | Barnes Municipal Airport                    | MA    | Replace Engine, ASE and NDI Shops          | 52276F                     | 211-157                      | 6,000                    |                          |   |           |
|             |        |                |   |       |  |                            |                              |                          |                          |   |           |
| 3830 /      | `      | J.XF039040     | Joint Base Andrews                          | DM    | Load Crew Training/Corrosion Control       | 52276F                     | 171-875                      | 5,000                    |                          | state #1 FY17 MILCON priority. Was FY18 (PB16). Munitions<br>.cad Crew Training/Corrosion Control Facility  | New       |
|             |        |                |   |       |  |                            |                              |                          |                          |   |           |
| 3830 N      | 2      | ABMV099170     | W. K. Kellogg Airport                       | W     | Upgrade Main Base Entrance                 | 52276F                     | 730-839                      | 4,000                    |                          | state #3 FY17 MILCON priority. May have P-341 solution.<br>corce Protection Measures - Upgrade Main Base Entrance   | New       |
|             |        |                |   |       |  |                            |                              |                          |                          |   |           |
| 3830        |        | ULYB049040     | Rosecrans MAP                               | ОМ    | Replace Communications Facility            | 52276F                     | 131-111                      | 6,000                    |                          |   | New       |
| 3830        |        | ULYB049048     | Rosecrans Memorial Airport                  | OM    | Repl AATTC Aircrit Prkg Apron              | 52276F                     | 113-321                      | 000'6                    |                          | Dheck scope   | New       |
|             |        |                |   |       |  |                            |                              |                          |                          |   |           |
| 3830 L      |        | RXQ109002      | Jackson International Airport               | SM    | Fire Crash and Rescue Station              | 52276F                     | 130-142                      | 000'6                    |                          | State #1 FY17 MILCON priority.  |           |
|             |        |                |   |       |  |                            |                              |                          |                          |   |           |

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| Component | F    | APPN | Project Number | Installation                            | State | Project Title                                | Program<br>Element<br>Code | Facility<br>Category<br>Code | Budget Amount<br>(\$000) | Changes from FY<br>16 PB | Explanation of Changes  | Footprint |
|-----------|------|------|----------------|---|-------|--|----------------------------|------------------------------|--------------------------|--------------------------|---|-----------|
| Guard     | 2021 | 3830 | FJRP009033     | Charlotte/Douglas International Airport | SC    | Operations and Training Facility             | 52276F                     | 171 445                      | 6,600                    | (216)                    |   | New       |
|           |      |      |                |   |       |  |                            |                              |                          |                          |   |           |
| Guard     | 2019 | 3830 | NGCB119030     | Lincoln MAP                             | , an  | Aerial Port and Mobility Processing Facility | 52276F                     | 171-873                      | 6,000                    |                          |   | New       |
|           |      |      |                |   |       |  |                            |                              |                          |                          |   |           |
| Guard     | 2021 | 3830 | SZCQ099041     | Pease International Tradeport ANG       | HZ    | Indoor Small Arms Range                      | 52276F                     | 179-475                      | 8,200                    |                          |   | New       |
|           |      |      |                |   |       |  |                            |                              |                          |                          |   |           |
| Guard     | 2019 | 3830 | AQRC069222     | Atlantic City International Airport     | ſŊ    | Dining Hall and Services Facility            | 52276F                     | 722-351                      | 9,500                    |                          |   | New       |
| Guard     | 2021 | 3830 | AQRC099002     | Atlantic City International Airport     | ſŊ    | Maintenance Hangar and Shops                 | 52276F                     | 211-111                      | 29,000                   |                          | ADAL Maintenance Hangar and General Purpose Shops                                     | New       |
|           |      |      |                |   |       |  |                            |                              |                          |                          |   |           |
| Guard     | 2020 | 3830 | WKVB109058     | Francis S. Gabreski Airport             | λN    | Security Forces and Communication Training   | 52276F                     | 730-835                      | 14,400                   |                          | AAC and JSNVA on file. Replace Security Forces and<br>Communication Training Facility |           |
|           |      |      |                |   |       |  |                            |                              |                          |                          |   |           |
| Guard     | 2018 | 3830 | WYTD109008     | Toledo Express Airport                  | НО    | Indoor Small Arms Range                      | 52276F                     | 171-475                      | 6,000                    |                          |   | New       |
| Guard     | 2019 | 3830 | EUBC009109     | Camp Perry ANG Station                  | НО    | RED HORSE Logistics Complex                  | 52276F                     | 442-758                      | 6,000                    |                          |   | New       |
| Guard     | 2019 | 3830 | PBXP929798     | Mansfield Lahm Airport                  | НО    | Replace Fire Station                         | 52276F                     | 130-142                      | 7,500                    |                          |   | New       |
|           |      |      |                |   |       |  |                            |                              |                          |                          |   |           |
| Guard     | 2018 | 3830 | KJAQ119006     | Klamath Falls Airport-Kingsley Field    | OR    | Construct Corrosion Control Hangar           | 52276F                     | 211-159                      | 8,500                    |                          | State #2 FY17 MILCON priority. Increased Flying hours means<br>ncreased MX demands.   | s New     |

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|                              | - |   | <br>                        | 1 |   | 1 | 1  | <br>                             | <br>                |                                |                                |                     |                     |
|------------------------------|---|---|-----------------------------|---|---|---|--|----------------------------------|---------------------|--------------------------------|--------------------------------|---------------------|---------------------|
| Footprint                    |   | New   | New                         |   | New   |   | New  | New                              |                     |                                |                                |                     |                     |
| Explanation of Changes       |   | State #1 FY17 MLCON priority. Replace Operations and<br>Training and Dining Hall Facilities | May have UMMC/SRM solution. |   | Was 2017 in FY16 PB. State #1 FY17 MILCON priority. |   | State #1 MILCON priority for FY17. Economic Analysis<br>underway. RAC 2 and FSD 2. |                                  |                     |                                |                                |                     |                     |
| Changes from FY<br>16 PB     |   | 400   |                             |   | 41  |   |  |                                  |                     |                                |                                |                     |                     |
| Budget Amount<br>(\$000)     |   | 000'8   | 10,000                      |   | 12,300  |   | 23,000   | 5,800                            | 16,568              | 21,044                         | 24,376                         | 20,338              | 11,936              |
| Facility<br>Category<br>Code |   | 722-351   | 130-142                     |   | 217-712   |   | 211-111  | 730-835                          | 961-000             | 962-000                        | 962-000                        | 961-000             | 961-000             |
| Program<br>Element<br>Code   |   | 52276F  | 52276F                      |   | 52276F  |   | 52276F   | 52276F                           | 52276F              | 52276F                         | 52276F                         | 52276F              | 52276F              |
| Project Title                |   | Operations and Training/Dining Hall   | Replace Fire Station        |   | Aircraft Maintenance Shops                          |   | Replace KC 135 Maintenance Hangar and Shops  | Replace Security Forces Facility | Planning and Design | Unspecified Minor Construction | Unspecified Minor Construction | Planning and Design | Planning and Design |
| State                        |   | PA 6  | R                           |   | SD  |   | Z<br>F   | XT                               | -VL                 | ٦٨ ا                           | ٦                              | ۲۲                  | ۸۲                  |
| Installation                 |   | Fort Indiantown Gap ANG Station   | Quonset State Airport       |   | Joe Foss Field                                      |   | McGhee Tyson Airport   | Ellington Field                  | Unspecified         | Unspecified                    | Unspecified                    | Unspecified         | Unspecified         |
| Project Number               |   | LKLW099101  | TWLR039103                  |   | LUXC099042  |   | PSXE999132   | FWJH059016                       | PAYZ180005          | PAYZ180006                     | PAYZ190006                     | PAYZ190005          | PAYZ200005          |
| APPN                         |   | 3830  | 3830                        |   | 3830  |   | 3830   | 3830                             | 3830                | 3830                           | 3830                           | 3830                | 3830                |
| FY                           |   | 2018  | 2020                        |   | 2018  |   | 2018   | 2021                             | <br>2018            | 2018                           | 2019                           | 2019                | 2020                |
| Component                    |   | Guard   | Guard                       |   | Guard   |   | Guard  | Guard                            | Guard               | Guard                          | Guard                          | Guard               | Guard               |
|                              |   |   |                             |   |   |   |  |                                  |                     |                                |                                |                     |                     |

| _                            |                                |                                |                     |                                    |  |  |
|------------------------------|--------------------------------|--------------------------------|---------------------|------------------------------------|--|--|
| Footprint                    |                                |                                |                     | <br>New                            | New                                    | <br>New                                  |
| Explanation of Changes       |                                |                                |                     |                                    |  |  |
| Changes from FY<br>16 PB     |                                |                                |                     |                                    |  |  |
| Budget Amount<br>(\$000)     | 13,757                         | 9,360                          | 5,758               | 5,000                              | 8,300                                  | 6,000                                    |
| Facility<br>Category<br>Code | 962-000                        | 962-000                        | 900-196             | 171-450                            | 130-142                                | 131-111                                  |
| Program<br>Element<br>Code   | 52276F                         | 52276F                         | 52276F              | 52276F                             | 52276F                                 | 52276F                                   |
| Project Title                | Unspecified Minor Construction | Unspecified Minor Construction | Planning and Design | ADAL Bidg 500 for Medical Training | Replace Fire Station                   | Replace Communications Training Facility |
| State                        | ٨L                             | ٨L                             | ٨L                  | IM                                 | M                                      | Ŵ  |
| Installation                 | Unspecified                    | Unspecified                    | Unspecified         | Dane County Regional-Truax Field   | General Mitchell International Airport | Yeager Airport                           |
| Project Number               | PAYZ200006                     | PAYZ210006                     | PAYZ210005          | XGFG139001                         | HTUV089012                             | LYBH009133                               |
| APPN                         | 3830                           | 3830                           | 3830                | 3830                               | 3830                                   | 3830                                     |
| FY                           | 2020                           | 2021                           | 2021                | <br>2019                           | 2021                                   | <br>2020                                 |
| Component                    | Guard                          | Guard                          | Guard               | Guard                              | Guard                                  | Guard                                    |

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