AIR NATIONAL GUARD Fiscal Year (FY) 2018 BUDGET ESTIMATES



MILITARY CONSTRUCTION APPROPRIATION 3830 PROGRAM YEAR 2018

Justification Data Submitted to Congress

May 2017

DEPARTMENT OF THE AIR FORCE AIR NATIONAL GUARD MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2018

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SUMMARY PROJECT LIST AIR NATIONAL GUARD MILITARY CONSTRUCTION PROGRAM -- FY 2018

STATE	INSTALLATION AND PROJECT	AUTH AMOUNT (\$000)	APPN AMOUNT (\$000)	PAGE NO.
CALIFORNIA	March Air Reserve Base TFI - Construct RPA Flight Training Unit	<u>15,000</u> 15,000	<u>15,000</u> 15,000	П-1
COLORADO	Peterson Air Force Base Space Control Facility	<u>8,000</u> 8,000	<u>8,000</u> 8,000	Ш-6
CONNETICUT	Bradley International Airport Construct Base Entry Complex	<u>7,000</u> 7,000	<u>7,000</u> 7,000	II-11
KENTUCKY	Louisville International Airport Add/Alter Response Forces Facility	<u>9,000</u> 9,000	<u>9,000</u> 9,000	II-16
MISSOURI	Rosecrans Memorial Airport Replace Communications Facility	<u>10,000</u> 10,000	<u>10,000</u> 10,000	II-22
NEW YORK	Hancock Field Add to Flight Training Unit, Building 641	<u>6,800</u> 6,800	<u>6,800</u> 6,800	II-27
ошо	Toledo Express Airport NORTHCOM - Construct Alert Hangar	<u>15,000</u> 15,000	<u>15,000</u> 15,000	II-32
OREGON	Klamath Falls International Airport	<u>10,500</u>	<u>10,500</u>	11-37
	Construct Corrosion Control Hangar Construct Indoor Range	<u>8,000</u> 18,500	<u>8,000</u> 18,500	II-42
SOUTH DAKOTA	Joe Foss Field Aircraft Maintenance Shops	<u>12,000</u> 12,000	<u>12,000</u> 12,000	II-45
TENNESSEE	McGhee Tyson Airport Replace KC-135 Maintenance Hangar and Shops	<u>25,000</u> 25,000	<u>25,000</u> 25,000	II-50
	SUB-TOTAL MAJOR CONSTRUCTION	<u>126,300</u>	<u>126,300</u>	
	PLANNING AND DESIGN		18,000	II-58
	UNSPECIFIED MINOR CONSTRUCTION		17,191	II-62
	SUB - TOTAL SUPPORT COSTS		<u>35,191</u>	
	GRAND TOTAL - FY 2018 REQUEST	126,300	161,491	

NEW MISSION/CURRENT MISSION EXHIBIT AIR NATIONAL GUARD MILITARY CONSTRUCTION PROGRAM -- FY 2018

LOCATION	PROJECT	COST (\$000)	CURRENT/ NEW/ENV
March Air Reserve Base, CA	TFI - Construct RPA Flight Training Unit	15,000	Ν
Peterson Air Force Base, CO	Space Control Facility	8,000	Ν
Bradley International Airport, CT	Construct Base Entry Complex	7,000	С
Louisville International Airport, KY	Add/Alter Response Forces Facility	9,000	С
Rosecrans Memorial Airport, MO	Replace Communications Facility	10,000	С
Hancock Field, NY	Add to Flight Training Unit, Building 641	6,800	Ν
Toledo Express Airport, OH	NORTHCOM - Construct Alert Hangar	15,000	С
Klamath Falls International Airport, OR	Construct Corrosion Control Hangar	10,500	С
Klamath Falls International Airport, OR	Construct Indoor Range	8,000	С
Joe Foss Field, SD	Aircraft Maintenance Shops	12,000	С
McGhee Tyson Airport, TN	Replace KC-135 Maintenance Hangar and Shops	25,000	С
	PLANNING AND DESIGN	18,000	
	UNSPECIFIED MINOR CONSTRUCTION	17,191	
	TOTAL ENERGY TOTAL ENVIRONMENTAL TOTAL NEW MISSION (3) TOTAL CURRENT MISSION ()	0 0 29,800 96,500	
	GRAND TOTAL - FY 2018 REQUEST	161,491	

DEPARTMENT OF THE AIR FORCE AIR NATIONAL GUARD MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2018

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, \$161,491,000 to remain available until September 30, 2022.

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).

DEPARTMENT OF THE AIR FORCE AIR NATIONAL GUARD MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2018

SECTION II

PROJECT INSTALLATION / JUSTIFICATION DATA

1. COMPONENT				2. DATE
	FY 2018 GU	ARD AND RESERVE		
ANG	MILITARY	CONSTRUCTION		May 2017
3. INSTALLATION	AND LOCATION			4. AREA CONSTR
				COST INDEX
MARCH AIR RESER	RVE BASE, RIVERSIDE			1.17
5. FREQUENCY A	ND TYPE OF UTILIZATION			
Twelve monthly ass	emblies per year, 15 days annual field tra	aining, daily use by technici	an/AGR force and for	training.
6. OTHER ACTIVE	/GUARD/RESERVE INSTALLATIONS W	/ITHIN 15 MILES RADIUS		
ARNG Riverside Arr	mory, naval Operations Center, 63rd Reg	ional Support Group		
7. PROJECTS REC	QUESTED IN THIS PROGRAM			
CATEGORY			COST	DESIGN STATUS
CODE	PROJECT TITLE	SCOPE	\$(000)	START COMPLETE
474.044 TELC		0.054 CM (24.000 CF)	44.000	lun 10 Can 17
171-211 IFICO	DISTRUCT RPAFIU	2,954 SM (31,800 SF)	14,000	Jun 16 Sep 17
8. STATE RESERV	E FORCES FACILITIES BOARD RECO	MMENDATION		
The Board recomme	endations are: Unilateral Construction Ap	pproved	(D	ata)
			(D	ate)
9. LAND ACQUISIT	TON REQUIRED			None
			(Number	of Acres)
10. PROJECTS PLA	ANNED IN NEXT FOUR YEARS			
CATEGORY				COST
CODE	PROJECT TITLE		<u>SCOPE</u>	<u>\$(000)</u>
	Infunded Dequirementer #45 005 000			
R&M	Unfunded Requirements: \$15,025,000			

1. COMPONENT							2. DATE	
ANG	MILITARY CONSTRUCTION					Ма	May 2017	
3. INSTALLATION A	AND LOCATION					•		
MARCH AIR RESER	VE BASE, RIVERSID	E						
11. PERSONNEL S	TRENGTH AS OF 22 I	Mar 16						
		PERMA	NENT		GUAR	RD/RESERVI	E	
	TOTAL	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	ENLISTED	
AUTHORIZED	332	33	72	227	862	142	720	
ACTUAL	321	33	69	219	865	128	737	
12. RESERVE UNIT DATA								
						STRENGT	1	
UNIT DES 160 ATK S	IGNATION				AUTHORIZED		ACTUAL 28	
163 MXG ((D				4		0	
162 Rescu 160 ATK S	ie Wing SQ				0 42		0 31	
163 MXG_	D				40		57	
163 Aircrat 163 Civil E	It Maintenance Squadr Ingineering Squadron	on			69 81		83 74	
163 Comm	nunication Flight				31		32	
163 Comp 163 Force	troller Flight Support Squadron				10 50		14 57	
163 Logist	ics Readiness Squadro	on			69 41		57 45	
163 Mainte	enance Operations Flig	ht			12		43 17	
163 Missio 163 Mainte	on Support Group				8 31		11 27	
163 Opera	tions Group				7		5	
163 Opera 163 Recor	tions Support Squadro	n			109 44		93 36	
163 Secur	ity Forces Squadron				74		68	
210 Weath	ie Squadron ner Flight				105		100	
8163 Stud	ent Flight	TO	ΓΔΙ S		<u>24</u> 904		<u>51</u> 893	
		-			304		000	
13. MAJOR EQUIP	MENT AND AIRCRAFT							
Vehicles	<u>TYPE</u>				AUTHORIZED 131		ACTUAL 117	
Vehicle Equivalents					293		293	
Equipment MQ-1					213 1		210 1	
GCS					8		8	

ANG May 2017 3. INSTALLATION AND LOCATION 4. PROJECT TITLE MARCH AIR RESERVE BASE, CALIFORNIA UNIT 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000) 53218F 171-211 PDPG169013 \$15,000 9. COST ESTIMATES TIEM U/M QUANITIY COST (\$000) COST ESTIMATES SUPORTRUCT RPA TRUNCH RAREA (171-211) SM 2,925 3,821 (\$7,31) CONSTRUCT SIMULATOR SPACE (171-212) SM 669 3,670 (\$2,455) SUPORTING FACILITIES LS (\$200) (\$200) (\$200)<
ANG IM32 2017 3. INSTALLATION AND LOCATION 4. PROJECT TITLE TFI CONSTRUCT RPA FLIGHT TRAINING MARCH AIR RESERVE BASE, CALIFORNIA UNIT 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000) 53218F 171-211 PDPG169013 \$15,000 9. COST ESTIMATES U/M QUANITY COST (\$000) TFI CONSTRUCT RPA FTU SM 2,954 11,186 CONSTRUCT RPA TRAINING AREA (171-211) SM 2,285 3,821 (\$,731) CONSTRUCT RPA TRAINING AREA (171-212) SM 669 3,670 (2,455) SUPPORTING FACILITIES UTILITIES LS (209) ELECTRICAL LS (200) COMM ALLIED SUPPORT LS (200) SUSTAIMENT AND ENERGY MEASURES LS (1,044) SUSTAIMENT AND ENERGY MEASURES SUSTAIMENT AND ENERGY MEASURES LS (1,044) SUSTAIMENT AND ENERGY MEASURES LS (1,044) SUSTAIMENT AND ENERGY MEASURES LS (1,044)
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MARCH AIR RESERVE BASE, CALIFORNIAUNIT5. PROGRAM ELEMENT6. CATEGORY CODE7. PROJECT NUMBER8. PROJECT COST(\$000)53218F171-211PDPG169013\$15,0009. COST ESTIMATESU/M QUANITY COSTCOSTTTEMU/M QUANITYCOSTCOST ESTIMATESU/M QUANITY COSTCOSTCONSTRUCT RPA FTUSM 2,95411,186CONSTRUCT RPA TRAINING AREA (171-211)SM 2,2853,821(8,731)CONSTRUCT SIMULATOR SPACE (171-212)SM 6693,670(2,455)SUPPORTING FACILITIESLS(209)ELECTRICALLS(209)ELECTRICALLS(200)COMM ALLIED SUPPORTLS(200)CONTINGENCKLS(1,044)SUBTATAND ENERGY MEASURESLS(1,044)SUBTOTALLS(1,044)SUBTOTALCONTINGENCY (5%)13,402CONTINGENCY (5%)14,072TOTAL REQUEST14,016TOTAL REQUEST (ROUNDED)15,00010.Description of Proposed Construction: Construct new Remote Piloted Aircraft (RPA) FlightTraining Unit (FTU) facility utilizing conventional design and construction in accordance withthe DoD Unified Facilities will be designed as permanent construction in accordance withTOTAL REQUEST <t< td=""></t<>
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000) 53218F 171-211 PDPG169013 \$15,000 9. COST ESTIMATES U/M QUANITIY COST (\$000) TFI CONSTRUCT RPA FTU SM 2,954 11,186 CONSTRUCT RPA TRAINING AREA (171-211) SM 2,285 3,821 (\$,731) CONSTRUCT SIMULATOR SPACE (171-212) SM 669 3,670 (\$,2455) SUPPORTING FACILITIES LS (\$209) ELECTRICAL LS (\$200) COMM ALLED SUPPORT LS (\$1,044) SUBTOTAL CONTINGENCY (\$5%) TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (6%) TOTAL REQUEST TOAL REQUEST (ROUNDED) 10. Descrip
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SEISMIC CONSIDERATIONS FOR CA LS (1,044) SUSTAIMENT AND ENERGY MEASURES LS (<u>188)</u> SUBTOTAL 13,402 CONTINGENCY (5%) <u>670</u> TOTAL CONTRACT COST 14,072 SUPERVISION, INSPECTION AND OVERHEAD (6%) <u>844</u> TOTAL REQUEST 15,000 10. Description of Proposed Construction: Construct new Remote Piloted Aircraft (RPA) Flight 15,000 10. Description of Proposed Construction: Construct new Remote Piloted Aircraft (RPA) Flight Training Unit (FTU) 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
SUBTOTAL 13,402 CONTINGENCY (5%) 670 TOTAL CONTRACT COST 14,072 SUPERVISION, INSPECTION AND OVERHEAD (6%) 844 TOTAL REQUEST 15,000 10. Description of Proposed Construction: Construct new Remote Piloted Aircraft (RPA) Flight 15,000 10. Description of Proposed Construction: Construct new Remote Piloted Aircraft (RPA) Flight 15,000 10. Description of Proposed Construction: Construct new Remote Piloted Aircraft (RPA) Flight 15,000 10. Description of Proposed Construction: Construct new Remote Piloted Aircraft (RPA) Flight 15,000 10. Description of Proposed Construction: Construct new Remote Piloted Aircraft (RPA) Flight 15,000 10. Description of Proposed Construction: Construct new Remote Piloted Aircraft (RPA) Flight 15,000 10. Description of the facility. Facilities will be designed as permanent construction in accordance with 16,000 11. Training Unit (FTU) facility utilizing conventional design and construction in accordance with 16,000 11. Training Unit (FTU) facility utilizing conventional design and construction in accordance with 16,000 12. Training Unit (FTU) facility utilizing conventional design and construction in accordance with 16,000 12. Training Unit (FTU) facility utilizing conventional design and construction in accordance with 16,0
CONTINGENCY (5%) TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (6%) TOTAL REQUEST TOTAL REQUEST (ROUNDED)14,072 844 14,916 15,00010. Description of Proposed Construction: Construct new Remote Piloted Aircraft (RPA) Flight Training Unit (FTU) 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
TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (6%) TOTAL REQUEST TOTAL REQUEST (ROUNDED)14,072 <u>844</u> 14,916 15,00010. Description of Proposed Construction: Construct new Remote Piloted Aircraft (RPA) Flight Training Unit (FTU) 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
SUPERVISION, INSPECTION AND OVERHEAD (6%) 844 TOTAL REQUEST 14,916 TOTAL REQUEST (ROUNDED) 15,000 10. Description of Proposed Construction: Construct new Remote Piloted Aircraft (RPA) Flight Training Unit (FTU) 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
10TAL REQUEST TOTAL REQUEST (ROUNDED)14,916 15,00010. Description of Proposed Construction: Construct new Remote Piloted Aircraft (RPA) Flight Training Unit (FTU) 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
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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
techniques shall be used where cost effective. This project will comply with DoD antiterrorism/force
techniques shari be used where cost effective. This project will comply with DoD antiterrorism/force
I protection requirements per Unified Excilities Criteria Special construction requirements: Excilities
and infrastructure for schoolhouse administration classrooms and hands-on Ground Control Station
(GCS) and simulator training devices. Demolish existing 30 year old metal steel frame building.
Provide new electrical service, fire suppression with booster pump, site improvements to include
parking for 60 POVs, provide separate.
11. REQUIREMENT: 2,954 SM ADEQUATE: 0 SM SUBSTANDARD: 0 SM
PROJECT: Construct new Total Force Initiative (TFI) FTU Operations and Simulator Training
(New Mission)
<u>REQUIREMENT</u> : The base requires a properly sized and properly configured Field Training Unit to
Additional ETU space is required as the throughput of students has doubled and the existing facility.
cannot support the increased throughput volume without expansion. Required functional areas include
Mobile and/or Fixed Ground Control Stations (2) simulator spaces (2) classrooms (2) administrative
and support and latrine spaces as well as dedicated Active Duty Associate administrative spaces.
CURRENT SITUATION: Due to the conversion to MQ-9s and an increase in the requirement for RPA
pilots across the Air Force, a TFI Flight Training Unit is required At March ANG Base, CA. The FTU
requires appropriate, functional space. The current ANG FTU facility located in a portion of building
2272, has several issues; it lacks space, the plumbing requires replacement, the finishes are at the end of

1. COMPONENT			2. DATE						
	FY 2018 MILITARY CONSTRUCTION PROJECT DA	ЛТА							
ANG	(computer generated)		May 2017						
3. INSTALLATION	AND LOCATION								
MADCH AID DESE									
5 PROJECT TITLE	KVE BASE, CALIFORNIA	7 PROIE	CT NUMBER						
5. TROJECT TITLE		7.11031	JOI NOWIDER						
TFI CONSTRUCT R	PA FLIGHT TRAINING UNIT	PI	OPG169013						
their life, and the facility is not conducive to flight classroom training. Additionally, current flight									
simulation area in	building 2272 does not have a fire suppression system and	the mech	anical system is						
not adequate for th	e additional flight simulator heat load.		. 1004						
IMPACT IF NOT	<u>PROVIDED</u> : The 163d Attack Wing will not be able to su	upport rec	Juired RPA						
training numbers a	nd will have to get additional temporary facilities to house	the simu	lator units						
scheduled for deliv	ery in Oct 2016. The space shortages and use of temporar	y space w	111 nave a						
significant impact	throughput EV16 brought on PDA pilot and sensor operation	increasin	ing. On top of the						
training requireme	nt	mercasm	g the crew						
ADDITIONAL: A	Il space authorizations are in accordance with Air Nationa	al Guard F	Handbook 32-						
1084. "Facility Re	guirements". All known alternatives /options were consid	lered duri	ng the						
development of thi	s project. Sustainable principles, to include Life Cycle co	st effectiv	ve practices, will						
be integrated into t	he design, development and construction of the project in	accordance	ce with Executive						
Order 13423, 10 U	SC 2802(c) and other applicable laws and Executive Orde	rs. This p	project will						
include all Seismic	code requirements for the state and federal guidelines. The	ne space v	acated in building						
2272 by this project	et will be re-configured for use by the Combat Weather Fli	ight under	a separate						
project. An econo	mic analysis has been prepared comparing the alternatives	of new co	onstruction,						
revitalization, leas	ng and status quo operation. Based on the net present val	ues and be	enefits of the						
respective alternation	ves, new construction was found to be the cost efficient of	ver the life	e of the project.						
CatCode	Requirement	Adequate	Substandard						
171-211 FLIGE	TT TRAINING CLASSROOM 2 285 SM	0 SM	0 SM						
171-212 FLGH	T SIMULATOR TRAINING 669 SM	0 SM	0 SM						
CONSTRUCT RP	A TRAINING AREA (171-211)2,285 SM = 24,600 SF								
CONSTRUCT SIN	MULATOR SPACE (171-212) 669 SM = 7,200 SF								

1. C	OMPONENT	FY 2018 MILITARY CONSTRUCTION PROJECT DA	TA	2. DATE
		(computer generated)		
	ANG			May 2017
3. IN	NSTALLATION .	AND LOCATION		
MAF	CH AIK KESEK	VE BASE, CALIFORNIA		
5 PR	OIECT TITI E		7 PROI	FCT NUMBER
TFI (CONSTRUCT RE	PA FLIGHT TRAINING SCHOOL	7. I KOJI	CT NOWIDER
			PJ	DPG169013
12.	SUPPLEMENT	AL DATA:		
a.	Estimated Desig	gn Data:		
	(1) Status:			
	(1) Status.	lesion Started		IUN 2016
	(b) Parame	etric Cost Estimates used to develop costs		JUN 2010 Y
	(c) Percent	Complete as of Ian 0		35%
	* (d) Date 34	5% Designed		SEP 2016
	(e) Date D	esign Complete		SEP 2017
	(f) Type of	Design Contract	I	Design-Build
	(g) Energy	Study/Life-Cycle analysis was/will be performed	-	No
	(8)8)			
	(2) Basis:			
	(a) Standar	d or Definitive Design -		No
	(b) Where	Design Was Most Recently Used -		
	(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
	(a) Product	tion of Plans and Specifications		681
	(b) All Otr	ler Design Costs		4/0
	(c) Total (d) Control	at		1,151
	(a) In Hou			1,131
	(c) 111-1100			
	(4) Contract Av	ward (Month/Year)		DEC 2017
	()			
	(5) Constructio	n Start		JAN 2018
	(6) Constructio	n Completion		JUL 2018
	њт 1° /		1 * 1	
	* Indicates	completion of Project Definition with Parametric Cost Estimate	which	114
	is comparat	ble to traditional 35% design to ensure valid scope and cost and	executabi	nty.
h	Equipment assoc	iated with this project will be provided from other appropriation	18.	N/A
0.	Equipment ussee	and with this project will be provided from other appropriation		1.1/2.1
PO	INT OF CONTA	CT: NGB/A4AD		
10		(240) 612-8508		

1. COMPONENT				2. DATE
	FY 2018 (
ANG	MILITA	KI CONSTRUCTION		May 2017
3. INSTALLATION A	AND LOCATION			4. AREA CONSTR
PETERSON AFB, C	COLORADO SPRINGS			1.02
5. FREQUENCY AN Normal Air National use by technician/AC	ID TYPE OF UTILIZATION Guard organization operation. One GR force and for training.	unit training assembly per mon	th, 15 days annual fi	eld training per year, daily
6. OTHER ACTIVE/ U.S. Air Force Acade	GUARD/RESERVE INSTALLATION emy, Fort Carson.	IS WITHIN 15 MILES RADIUS		
7. PROJECTS REQ	UESTED IN THIS PROGRAM		0007	
CATEGORY	PROJECT TITLE	SCOPE	\$(000)	START COMPLETE
141-454 Space	Control Facility	1.124 SM (12.100 SF)	8.000	Nov 16 Nov 17
epepe		·,·_· e (·_,·ee e.)	0,000	
8. STATE RESERV The Board recomme	E FORCES FACILITIES BOARD RE ndations are: Unilateral Constructio	ECOMMENDATION n Approved.	<u>24 M</u> (E	<u>Mar 16</u> Date)
9. LAND ACQUISIT	ION REQUIRED			None
			(Numbe	er of Acres)
10. PROJECTS PLA	NNED IN NEXT FOUR YEARS			0007
CODE CODE	PROJECT TITLE		<u>SCOPE</u>	<u>\$(000)</u>

1. COMPONENT		EV 2049 C				2. DATE		
ANG	MILITARY CONSTRUCTION					May 2017	May 2017	
3. INSTALLATION A	ND LOCATION							
PETERSON AFB, C	OLORADO SPRINGS	5						
11. PERSONNEL S	TRENGTH AS OF 01	Sep 16						
		PERMAN	IENT		GUARD/F	RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u> OF	FICER ENLISTED		
AUTHORIZED	88	17	71	0	88	17 71		
ACTUAL	0	0	0	0	0	0 0		
12. RESERVE UNIT DATA								
					ST	RENGTH		
<u>UNIT DES</u> 215 Opera	IGNATION tions				AUTHORIZED 88	ACTUAL 0		
		TOT	ALS		88			
13. MAJOR EQUIPM	IENT AND AIRCRAF	т						
-	TYPE							
N/A					AUTHORIZED	ACTORE		

1. COMPONENT FY 2018 MILITARY CONSTRUCTION PROJECT DATA 2. DATE (computer computer computer) (computer computer computer)						DATE		
ANG							Ma	y 2017
3. INSTALLATION AND LOCATION					PROJECT	TITLE]	5
PETERSON AFB, COL	OR/	ADO		SPAC	E CONTRO	OL FA	CILITY	
5. PROGRAM ELEMEN	5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJI					8. PR	ROJECT	COST(\$000)
C5116F 141-454 TE)04		\$8,	,000
		9. COST	ESTIMATI	ES				
		ITEM		U/M	OUANTIT	Y C	JNIT COST	COST (\$000)
SPACE CONTROL FACILITY					1,124			5,354
OPERATIONAL AREA (141454)					1,096		4,822	(5,285)
HAZARDOUS STOL	RA(GE (442257)		SM	28		2,465	(69)
SUPPORTING FACIL	.1111	25						1,0/2
EOUIPMENT PAD				SM	2 090		172	(394)
PAVEMENTS				SM	2,090		110	(230)
SITE IMPROVEME	NTS	5		LS	,			(525)
COMM SUPPORT				LS				(164)
SUSTAINABILITY AN	ND I	ENERGY MEASURES		LS				<u>196</u>
SUBTOTAL								7,222
TOTAL CONTRACT (202	Т						$\frac{301}{7583}$
SUPERVISION, INSPE	ECT	ION AND OVERHEAD (6%)					454
TOTAL REQUEST			(, , ,)					8,037
TOTAL REQUEST (RO	OUN	NDED)						8,000
10 Decomination of Dr	~ ~ ~	and Constructions Cons	transt a Sma		tual Easili	4		
10. Description of Pro	opo n m	sed Construction: Construction: Construction: Construction	aruci a Spa	ce Con	manent co	iy uiii	ction in	accordance
with the DoD Unified	Fac	ilities Criteria (UEC) 1-	200-01 Ge	neral I	Ruilding R	Pequir	ements -	and LIFC 1-
200-02 High Perform	ance	and Sustainable Buildi	ing Require	ements	This fac	ility w	vill be co	omnatible
with applicable DoD	Air	Force and base design	standards	In add	ition loca	l mate	rials an	d
construction technique	es sl	all be used where cost e	effective.	This pro	oiect will	compl	v with 1	DoD
antiterrorism/force pro	otect	tion requirements per ur	nified facili	ties cri	teria. Spe	cial C	onstruc	tion
Requirements: Provid	le fc	or open floor plan with S	Secure Con	partme	entalized I	nform	nation Fa	acility
(SCIF) space capable of	of a	ccommodating 88 perso	nnel. Exte	rior sit	e improve	ments	, equipr	nent pad,
utility services, roadwa	ays,	sidewalks, parking lots	, access pa	vement	ts, drainag	e, fen	cing, an	d gates.
HAZMAT Storage to	incl	ude space for fuel storage	ge, used oil	depos	itary and f	lamm	able sto	rage locker.
Facility and equipment	t ree	quire Protection Level 3	•					
Air Conditioning: 175	$\frac{KV}{1}$			aupa			CN	
II. REQUIREMENT	1:1	,124 SM ADEQUAT	E: 0 SM	SUBS	TANDAR	D: 0	SM	
PROJECT: Space Co	ontro	ol Facility (New Mission	1) word roquin		anotoly ai	and on	darana	
<u>REQUIREMENT</u> . If		ort a Space Control Squ	ndron fund	tions in	qualely sh	zeu an	th force	structure
changes identified by	1ppo the	FV18 Program Action 1	Memorandi	um Tl	ne facility	must	nrovide	adequate
space to support the se	ana	dron's operations maint	enance sec	unity a	command	and a	dminist	ration and
storage areas Facility	y mi	ust have an unobstructed	t view of th	ne sout	hern horiz	on	amminou	ution, una
CURRENT SITUATI	ION	: A new Space Control	Squadron	will be	created in	n Colo	rado, m	ost likelv at
Peterson AFB. The so	aua	dron does not currently	existing an	d there	are no ad	equate	e faciliti	es located at
either Peterson or Buc	ckle	y AFBs for this space c	ontrol squa	dron.	The only	solutio	on that i	meets all
mission requirements	is to	o construct a new facilit	y on Peters	on AF	B.			
IMPACT IF NOT PR	OV	IDED: Unable to bedde	own the spa	ace con	trol missi	on and	d equipr	nent, with
operational and strate	gic	mission impacts due to	inadequate	faciliti	es.			

1. COMPON	NENT					2. DATE		
ANG		FY 2018 MILITARY	CONSTRUCT	ION PROJECT DA ted)	ATA	May 2017		
3. INSTALL	ATION	AND LOCATION	inputer genera	(04)		10149 2017		
DETERSON AED COLODADO								
5. PROJECT	TITLE	DLORADO			7. PROJE	ECT NUMBER		
SDACE CON					TI	NV A 160004		
ADDITION	$\frac{1 \text{ KOL F}}{\text{MAL} \cdot \text{ Si}}$	actility istainable principles to inc	clude Life Cv	cle cost effective	practices	will be integrated		
into the des	sign, dev	elopment, and constructio	n of the proje	ct in accordance v	with Execu	ative Order		
13423, 10 U	USC 280	02 (c) and other applicable	laws and Exe	cutive Orders. A	n econom	ic analysis is		
being prepa	ared com	paring the alternatives of a	new construct	tion, and status qu	o operations will be	on. Based on the		
efficient alt	ternative	over the life of the project	t.	s, new construction		the most cost		
				Derrei	•	Gali (1 1		
CatCode 1/1-/15/	SPECL	AL OPERATIONS		1 096 SM	Adequate 0 SM	Substandard 0 SM		
132-133	EOUIP	MENT PAD		6,271 SM	0 SM	0 SM 0 SM		
852-262	NÔN-C	ORGANIZATIONAL VEH	HICLE PKN	1,923 SM	0 SM	0 SM		
852-261	OPER/	ATIONAL VEHICLE PAR	RKING	167 SM	0 SM	0 SM		
442-257	BASE	HAZARDOUS STORAG	E	28 SM	0 SM	0 SM		
OPERATIO	ONAL A	AREA (141454)	1,096 SM	I = 11,800 SF				
HAZARDO	OUS STO	ORAGE (442257)	28	SM = 300 SF				
PAVEMEN	NT PAL)	2,090 SM 2,090 SM	M = 2,500 SY M = 2,500 SY				
	115		2,070 51	2,300.51				

1. CC	OMPONENT	FY 2018 MILITARY CONSTRUCTION PROJECT DA	TA	2. DATE				
		(computer generated)						
	ANG			May 2017				
3. IN	STALLATION	AND LOCATION						
PETE	ERSON AFB, CO	DLORADO						
5. PR	OJECT TITLE		7. PROJI	ECT NUMBER				
SPAC	LE CONTROL F	ACILITY	TI	DV A 160004				
			11	JKA109004				
10								
12.	SUPPLEMENT	AL DATA:						
я	Estimated Desig	an Data.						
u.	Estimated Desig	511 Duiu.						
	(1) Status:							
	(a) Date D	Design Started		NOV 2016				
	(b) Parame	etric Cost Estimates used to develop costs		No				
	(c) Percent	t Complete as of Jan 2017		10%				
	* (d) Date 35	5% Designed		APR 2017				
	(e) Date D	esign Complete		NOV 2017				
	(f) Type of	f Design Contract		IDIQ				
	(g) Energy	v Study/Life-Cycle analysis was/will be performed		No				
	(2) Basis: (a) Standard	al en De Caitine De sien		N.				
	(a) Standar	rd or Definitive Design -		INO				
	(b) where	Design was most Recently Used -						
	(3) Total Cost	(c) = (a) + (b) or (d) + (e)		(\$000)				
	(a) Produc	tion of Plans and Specifications		(\$000) 240				
	(b) All Oth	her Design Costs		480				
	(c) Total	lei Design Costs		720				
	(d) Contra	ct		720				
	(e) In-Hou	se		,				
	~ /							
	(4) Contract Av	ward (Month/Year)		MAR 2018				
	(5) Constructio	n Start		JUN 2018				
	(6) Constructio	n Completion		AUG 2019				
	ψТ 1° /		1 . 1					
	* Indicates	completion of Project Definition with Parametric Cost Estimate	e which	1:4				
	is compara	ble to traditional 55% design to ensure valid scope and cost and	executabl	inty.				
h	Equipment assoc	iated with this project will be provided from other appropriation	ns.	N/A				
0. 1	Equipment assoc	nated with this project will be provided from other appropriation		14/24				
DO		CT NOD/AAD						
PO.	POINT OF CONTACT: NGB/A4AD							
		(240) 012-8083						

1. COMPONENT	EV 0040		-	2. DATE		
	FY 2018 GUARD AND RESERVE					
ANG				May 2017		
3. INSTALLATION A	AND LOCATION			4. AREA CONSTR		
BRADLEY INTERNA	TIONAL AIRPORT, EAST GRAN	BY		1.19		
5. FREQUENCY AN Four unit training ass	ID TYPE OF UTILIZATION semblies per month, 15 days annu	al field training per year, daily us	se by technician/AGR	force and for training.		
Ŭ				Ŭ		
			<u>, </u>			
Four Army National (GUARD/RESERVE INSTALLATIC	INS WITHIN IS WILES RADIUS				
7. PROJECTS REQ	UESTED IN THIS PROGRAM					
CATEGORY CODE		SCOPE	COST \$(000)	DESIGN STATUS START COMPLETE		
730-839 Constru	uct Base Entry Complex	186 SM (2 000 SE)	7 000			
730-639 Consti	uci base Entry Complex	100 SIVI (2,000 SF)	7,000	NOV 16 AUG 17		
8. STATE RESERV	E FORCES FACILITIES BOARD F		07 A	Apr 16		
The Board recomme			(D	vate)		
9. LAND ACQUISIT	ION REQUIRED			None		
			(Numbe	r of Acres)		
10. PROJECTS PLA	NNED IN NEXT FOUR YEARS			0007		
CODE	PROJECT TITLE		SCOPE	COST \$(000)		
				<u>·····</u>		

1. COMPONENT					-	2. DATE
ANG		MILITA	RY CONST	RUCTION		May 2017
3. INSTALLATION A	AND LOCATION					,
BRADLEY INTERNA	TIONAL AIRPORT, EA	ST GRANBY	/			
11. PERSONNEL S	TRENGTH AS OF 29 Ma	ar 16				
		PERMAN	IENT		GUARD/	RESERVE
	TOTAL C	OFFICER	<u>ENLISTED</u>	<u>CIVILIAN</u>	TOTAL O	FFICER ENLISTED
AUTHORIZED	286	20	74	192	891	128 763
ACTUAL	300	17	69	214	908	112 796
12. RESERVE UNIT	DATA					
					S	TRENGTH
UNIT DES	IGNATION ft Maintenance Squadror	`			AUTHORIZED	ACTUAL
103 Airlift \	Wing	1			45	43
103 Civil E	ingineering Squadron				91	98
103 Comp	troller Flight				12	52 11
103 Force	Support Squadron				46	46
103 Logist 103 Medic	al Group				51	51
103 Mainte	enance Operations Fligh	t			21	17
103 Missic 103 Mainte	enance Flight				57	49
103 Mainte	enance Group				12	10
103 Mainte 103 Opera	itions Group				8	7
103 Opera	tions Support Flight				46	40
103 Stude	nt Flight				18	96
118 Airlift	Squadron	тот	A1 S		99	64
		101			340	331
13. MAJOR EQUIPM	MENT AND AIRCRAFT					
-	TYPE				AUTHORIZED	ACTUAL
Support Equipment	<u></u>				190	145
Refuelers Vehicle Equivalents					3 297	3 297
Vehicles					104	94
C-130					8	8

1. COMPONENT	FY 2018 MILIT	ARY CO	NSTRUCTI	ON PR	OJECT DA	ТA	2.	DATE
(computer generated)								
ANG					DOLECT		Ма	y 2017
5. INSTALLATION AN	DLOCATION			4. I	KUJEUI	IIILE		
BRADLEY INTERNAT	IONAL AIRPORT,	CONNEC	CTICUT	CONS	TRUCT BA	ASE ENTI	RY C	COMPLEX
5. PROGRAM ELEMEN	T 6. CATEGORY	Y CODE	7. PROJEC	CT NUN	IBER	8. PROJ	ECT	COST(\$000)
		_					÷-	
52276F	/30-83	9	CE	KT1390	29		\$7,	000
		9. COST	ESTIMAT	ES	[_	
	ITEM				OLIANTE	UNI COS	Т т	COST
CONSTRUCT BASE E	NTRY COMPLEX			SM	186	1 005	1	3 523
TRAFFIC CHECK H	OUSE (730839)			SM	37	8,1	70	(302)
VEHICLE INSPECT	ION AREA (73083)	9)		SM	149	2,6	569	(398)
ROADS AND PARK	ING LOTS (851147	7)		SM	6,689	2	222	(1,485)
WIDEN SUPER SAF	BER AVENUE (851	147)		SM	8,110	1	65	(1,338)
SUPPORTING FACILI	TIES			LS				2,264
BARRIER SYSTEM	8			EA	4	82,8	317	(331)
SIGNAGE HIGHWAV IMDDON	EMENTS AND TI	DAFFIC I	IGHT					(-600)
DRAINAGE	ENIENIS AND II	AFFIC I						(090)
CURBING AND RO	AD STRIPING			LS				(166)
UTILITIES				LS				(345)
SITE IMPROVEMEN	NTS			LS				(138)
COMMUNICATION	SUPPORT			LS				(207)
FENCING AND GA	TES			LS				(104)
ENERGY AND SUSTA	INABILITY MEA	SURES		LS				<u>483</u>
CONTINGENCY (5%)								0,270 314
TOTAL CONTRACT (COST							6.584
SUPERVISION, INSPE	CTION AND OVE	RHEAD ((6%)					395
TOTAL REQUEST								6,979
TOTAL REQUEST (RO	DUNDED)							7,000
	10	0	D		C 1	1 (11)		
10. Description of Pro	oposed Construction	on: Cons	struct a Bas	e Entry	Complex	by utiliz	ing c	conventional
accompatible with applie	able DoD Air Eo	mmodale	e the missic	on of the	e lacility.	I ne facil	$a_0 1 r$	nould be
construction technique	s shall be used wh	ere cost	affective 7	Stanua	viect will	comply w	vith I	
antiterrorism/force pro	tection requirement	ele cost (ified facili	tios ori	bject will (comply w		tion
Requirements: Traffic	control devices an	its per un	harrier sw	tems	Military (Char Constructi	on (Cooperative
Agreement for roadwa	v and traffic signa	l improv	ements imr	nediate	lv adioinii	ng the has	se en	trance is
required Provide supr	ort infrastructure	for $C-13$	0 static dis	nlav wi	thin entry	complex	area	
Air Conditioning: 7 K	W	101 0 15	o statie ais	più j mi	unin enery	compion	ui eu	•
11 REOUREMENT	· 177 SM ADE	OUATE.	0 SM S	UBST	NDARD	· 0 SM		
PROJECT: Construct	Base Entry Comr	olex (Cur	rent Missic	(0)		. 0.0101		
REOUIREMENT: Th	e installation requ	ires a pr	operly size	d. corre	ctly locate	ed base e	ntrv	complex to
support 8 PAA C-130 aircraft and supporting missions. Specifically needed is a road system and					em and			
parking, fencing, traffic check house, vehicle inspection area and over watch area. Traffic control					c control			
devices and pop-up ba	rrier systems are a	also requ	ired along	with sp	ecial const	truction n	eede	ed to connect
the base entrance to th	e surrounding off	-base roa	d system.					
CURRENT SITUATI	<u>ON</u> : The base's cu	urrent ma	in entrance	e does r	not meet a	ny securit	ty or	safety
standards and has con	sistently failed all	Vulneral	oility Asses	sment '	Team insp	ections.	The	entrance and
gatehouse are located	immediately at a "	T" inters	section of t	wo pub	lic roadwa	iys that ai	re ma	ain
thoroughfares for traff	ic around the airp	ort and th	ne associate	ed indus	strial park	next doo	r. H	eavy
vehicular traffic to inc	lude large comme	rcial veh	icles and se	emi-trai	lers are th	e norm.	Ther	e is

1. COMPONENT	EV 2019 MILITADY CC		TA	2. DATE				
ANG	IA	May 2017						
3. INSTALLATION								
BRADLEY INTERN	ATIONAL AIRPORT, CONNE	CTICUT						
J. PROJECT IIILE			7. PROJI	CI NUMBER				
CONSTRUCT BASE ENTRY COMPLEX CEKT139029								
absolutely no queui	ng capability, and if a semi tr	ruck were to enter the gate a	rea, most	of the vehicle				
would remain on th	e public roadway, effectively	blocking and closing the in	tersection	for all vehicular				
traffic. On one app	roach, there is over a third of	a mile of straight roadway t	hat dead	ends at the base				
entrance. If there w	Vere no interfering traffic, a v	enicle could use this long sti	etch to re	ach a high speed				
The Small Air Terr	ninal and the entire Main Ma	intenance Hangar Complex	up Danner	ely impacted by				
Anti-Terrorism For	ce Protection concerns gener	ated by the gate's location gi	ven their	proximities to the				
gate. Those function	ons would be completed close	ed and all productive efforts	terminate	d given a security				
concern at the main	gate. Additionally, there is a	no vehicle inspection area or	rejected	vehicle turn				
around area. Vehic	les requiring inspection are in	nspected on the unpaved sho	ulder of a	public roadway				
external o the base	with security personnel perfo	rming these duties in a traffi	c lane of	the public				
highway. The gate	area is so small that commer	cial vehicles have difficulty	maneuvei	ing in and out of				
Presidential motoro	and have been damaged when	trying to depart the base	Isits, veni Chere is a	r undeveloped				
parcel of land on th	e other side of base that is pro	proposed for Base Entry Comr	lex reloca	ation and				
constructing a new	entrance at that location will	eliminate all current limiting	g factors a	nd will not				
encumber any other	r facilities or activities. Off b	ase road improvements with	the State	of Connecticut				
would be required.								
IMPACT IF NOT I	<u>PROVIDED</u> : The base would	l continue to operate with ar	entry con	nplex that meets				
no security or safet	y standards and cannot be ma	de to meet any such standar	ds The ga	ite complex				
adjacent busy publi	c roadways Personnel will r	and be endangered giving experiors of the section o	itensive it	dway system				
using shoulders or 1	travel lanes themselves Airc	raft maintenance and mobili	ty process	ses would be				
subject to random a	ind unannounced termination	s precipitated by security ev	ents at the	gate area. Anti-				
Terrorism and Forc	e Protection standards are no	t met. Safety and security of	f the entir	e base population				
as well as the missi	on are distinctly endangered	while this gate complex is in	use.					
ADDITIONAL: T	nis project meets the criteria/s	scope specified in Air Nation	nal Guard	Handbook 32-				
1084, "Facility Req	urements" and is in complia	nce with the base master pla	n. Antite	rrorism/Force				
incorporate Leaders	ship in Energy and Environm	ental Design (LEED) and su	stainable	development				
concepts so as to a	chieve optimum resource effi	ciency constructability sus	tainability	and energy				
conservation, while	minimizing adverse impacts	to the built and natural envi	ronments	through all				
phases of its life cy	cle. This may result in prima	ry facility costs exceeding I	DoD costin	ng standards, but				
the initial investme	nt in higher acquisition cost v	vill be rewarded with lower	life cycle	costs. This is				
consistent with the	requirements of the Energy P	olicy Act of 2005 (EPAct05) and Exe	cutive Order				
13423.								
CatCode		Requirement	Adequate	Substandard				
730-839 SF TR	AFFIC CHECK HOUSE	28 SM	0 SM	0 SM				
730-839 SF TRA	AFFIC CHECK HOUSE	149 SM	0 SM	0 SM				
TD AFEIC OULOW	UOUSE (720020)	27 SM = 400 SE						
VFHICI F INSPEC	ΠΟυδε (730839) ΤΙΩΝ ΔΡΕΔ (730830)	$3 / 51 = 400 5\Gamma$ 149 SM = 1 600 SF						
	(15005)	117 5141 1,000 51						

1. C	OMPONENT	FY 2018 MILITARY CONSTRUCTION PROJECT DA	TA	2. DATE					
		(computer generated)							
	ANG			May 2017					
3. IN	ISTALLATION .	AND LOCATION							
BRA	BRADLEY INTERNATIONAL AIRPORT, CONNECTICUT								
5. PR	5. PROJECT TITLE 7. PROJECT NUMBER								
CON	CONSTRUCT BASE ENTRY COMPLEX								
			C	EKT139029					
12.	SUPPLEMENT	AL DATA:							
a.	Estimated Desig	gn Data:							
	(1) Status:								
	(a) Date D	besign Started		NOV 2016					
	(b) Parame	etric Cost Estimates used to develop costs		No					
	(c) Percent	Complete as of Jan 2017		10%					
	* (d) Date 35	5% Designed		MAY 2017					
	(e) Date D	esign Complete		AUG 2017					
	(f) Type of	Design Contract	Ι	Design-Build					
	(g) Energy	Study/Life-Cycle analysis was/will be performed		No					
	(2) Basis [.]								
	(a) Standar	d or Definitive Design -		No					
	(b) Where	Design Was Most Recently Used -							
	(2) Tatal Cast ($(a) = (a) + (b) a \pi (d) + (a)$		(0003)					
	(3) Total Cost (c) = (a) + (b) of (a) + (b)		(\$000)					
	(a) Flouue	uon or Flans and Specifications		0					
	(c) Total	lei Desigli Costs		0					
	(d) Contrac	at		0					
	(e) In-Hou	se		0					
	(4) Contract Av	ward (Month/Year)		DEC 2017					
	(5) Constructio	n Start		MAR 2018					
	(6) Constructio	n Completion		MAY 2019					
	* Indicates is comparal	completion of Project Definition with Parametric Cost Estimate ble to traditional 35% design to ensure valid scope and cost and	which executabi	lity.					
b.	Equipment assoc	iated with this project will be provided from other appropriation	is:	N/A					
PO	INT OF CONTA	.CT:NGB/A4AD							
		(240) 612-4498							

1. COMPON	IENT	EV 004				2. DATE		
ANG				SINCETION		May 2017		
3. INSTALL	ATION A	ND LOCATION				4. AREA CONSTR COST INDEX		
LOUISVILLE	INTERN	IATIONAL AIRPORT, KENTUC	KY			.88		
5. FREQUEI UTAs perforr Annual Train Daily Installa	5. FREQUENCY AND TYPE OF UTILIZATION UTAs performed each month:Enlisted= 3,548;Officer= 680 Annual Training days per year:Enlisted= 13,350 Officer= 2,550 Daily Installation Usage:Enlisted= 37 Officer=7							
6. OTHER A	CTIVE/C	GUARD/RESERVE INSTALLATI	ONS WITHIN 1	5 MILES RADIUS				
TENNANTS: FAIRGROUN ID; Det 2, HH BUECHEL (1	41st CS NDS (5 m IC 35th I I0 mi): H	T-WMD ii): HQ 149th Armor Brigade; 116 D Q 198th MP Battalion; 298th Che	63rd Medical C emical C	o; 138th Field Artille	ry; Det 2, 2123 Trans	s Co; Det 4, HHC 35th		
7. PROJEC	TS REQI	JESTED IN THIS PROGRAM						
CATEGORY			er		COST [DESIGN STATUS		
171-445	Add/Alt	PROJECT TITLE	v 3.13F	<u>SOFL</u> SSM (33.743.SE)	<u>\$(000)</u>	Aug 14 May 17		
171-440			y 3,130	5 GIVI (55,745 GI ⁻)	J,000 A			
8. STATE R	ESERVE	FORCES FACILITIES BOARD	RECOMMENE	DATION				
The Board re KY: 81st RS0 stationing loc	commer C, US Ar cation of	Idations are: US Navy Reserve- my Reserve: had an unfunded A the supported units: KYAir Natio	No projects to ASF project at nal Guard brief	report in KY: US Ma FT Knox. It was uni ed Phases I & II of t	arine Corps Reserve-N lateral due to the type the Contingency Resp	No projects to report in e of mission and ponse Group project—		
		to be unilateral due to type miss	sion and station	ing location of the s	upported units: KY Ar	rmy National Guard		
0. 2.407.0	QUIUIII				(Number	of Acres)		
10. PROJEC	TS PLA	NNED IN NEXT FOUR YEARS						
CATEGORY <u>CODE</u>		PROJECT TITLE			<u>SCOPE</u>	COST <u>\$(000)</u>		
730-839	Constr	uct Entry Control Facility (ECF)			28 SM (300 SI	F) 2,000		
	R&M U	Infunded Requirement: \$6,325,0	000					

1. COMPONENT		EV 2049 (-	2. D	ATE		
		MILITA	RY CONST		-				
						May	/ 2017		
3. INSTALLATION A									
LOUISVILLE INTERNATIONAL AIRPORT, KENTUCKY									
11. PERSONNEL S	TRENGTH AS OF 01	Mar 16							
		PERMA	NENT		GUARD	/RESERV	E		
	TOTAL	<u>OFFICER</u>	<u>ENLISTED</u>	CIVILIAN	TOTAL C	OFFICER	ENLISTED		
AUTHORIZED	351	44	303	4	1,225	195	1,030		
ACTUAL	351	44	303	4	1,183	200	983		
12. RESERVE UNIT	DATA								
						STRENGT	H		
123 Comp	troller Flight				12		10		
123 Stude	nt Flight				23		6		
123 Medic	al Group	~ ~			100		108		
123 Opera 123 Aircrat	ft Maintenance Squad	Iron			46 57		45 54		
123 Airlift \	Wing				48		46		
123 Civil E	ingineering Squadron				117		109		
123 Contin 123 Contin	iunication Flight	au			5		34 5		
123 Force	Support Squadron				46		49		
123 Globa	I Mobility Readiness S	Squadron			47		41 56		
123 Globa 123 Logist	ics Readiness Squad	ron			122		115		
123 Medic	al Squadron				100		109		
123 Mainte	enance Operations Fli	ght			21		20		
123 Missic 123 Mainte	enance Group				12		9 11		
123 Mainte	enance Squadron				150		142		
123 Opera	tions Group				8		8		
123 Opera 123 Secur	itv Forces Squadron				40 74		40 82		
123 Specia	al Tactics Squadron				84		83		
165 Airlift	Squadron				99		102		
		т			16		16		
13. MAJOR EQUIT		1							
	<u>TYPE</u>				AUTHORIZED		ACTUAL		
C-130H Aircraft - PA C-130H Aircraft - BA	A Authorized				8		8 1		
Support Equivalents	Authorized				180		180		
Vehicle Equivalents	Authorized				401		400		

1. COMPONENT		FY 2018 MILITARY CO	NSTRUCTIO	ON PR	OJECT DA	ЛА	2.	DATE
		(comp	uter generate	d)			N	1av 2017
ANG				<u>и</u> т			1	1dy 2017
3. INSTALLATION AN	ער אדז	LUCATION		4. PROJECT IIILE				
KENTUCKY	AII	UNAL AIKFUKI,		FACII	ALTEK KE JTY	SFUNSE	FUR	CE5
5. PROGRAM ELEMEN	T	6. CATEGORY CODE	7. PROJEC	T NUN	/BER	8. PROJ	ECT	COST(\$000)
54123F		171-445	WEA	AS0790)54		\$9,	000
		9. COST	ESTIMATE	S				
						UNI	Т	COST
		ITEM		U/M	QUANTIT	Y COS	Т	(\$000)
ADD/ALTER RESPON	ISE	FORCES FACILITY		SM	3,135		17	7,551
AT TED SES & SVS	08-9 10 1	CM ADMIN (1/1-445) MIN (730-835)		SM SM	2,601	2,6	200	(6,804)
SUPPORTING FACILI	AD. ITIF	$\mathbb{E}^{\mathbb{E}}$		SIVI	554	1,2	199	(747)
UTILITIES				LS	1	202.2	272	(202)
PAVEMENTS				LS	1	25,2	284	(25)
SITE IMPROVEME	NTS	5		LS	1	96,0)79	(96)
COMMUNICATION	IS S	UPPORT		LS	1	80,9	909	(81)
SUSTAINABILITY	AN	D ENERGY MEASURES		LS	1	136,5	534	$\frac{(137)}{0.002}$
SUBIUIAL CONTINGENCY (5%)								8,092
TOTAL CONTRACT (COS	Т						8 497
SUPERVISION, INSPE	ECT	TION AND OVERHEAD (6%)					509
TOTAL REQUEST		Ň	,					9,006
TOTAL REQUEST (R	OUN	NDED)						9,000
			1. 0. 0					
10. Description of Pro	opo	sed Construction: Add/	alter for Co	ntinge	ncy Respo	onse Forc	es us	Sing
be designed as norman	na c	construction methods to	accommoda		mission o	i the facilities Crit	iity.	Facility will
200 01 Conorol Build	ling	Pequirements and LIEC	1200.021	U UI Uiah D	IIIeu Facil	a and Su	eria	(UFC) 1-
200-01, General Build Building Requirement	mg ריי	The facility should be co	mnatible w	ith anr	dicable D	oD Air E	orce	and base
design standards. In a	ddit	tion local materials and	constructio	n tech	niques sha	all he used	1 wh	ere cost
effective This project	t wi	ll comply with DoD for	re protectio	n reau	irements r	her UFCs	Sn	ecial
construction requireme	ents	To conserve limited s	nace at the	123 Ai	rlift Wing	g (AW), th	ne st	ructure will
be two-story construct	ion.	Interior building syste	ms shall inc	lude a	n open flo	or plan w	vith o	office/shop
areas to support works	spac	es. Facility will be prev	vired to sup	port of	pen office	systems	furn	iture.
Renovations of buildir	ig 1	00 will meet equivalent	standards a	nd sup	port the s	ervices pa	art o	f the Force
Support Squadron and	din	ing facility improvemer	nts.	-	-	-		
Air Conditioning: 245	K٧	V.						
11. REQUIREMENT	[: <mark>4</mark>	,412 SM ADEQUAT	E: 1,277 SN	A SU	JBSTANI	DARD: 5	34 S	SM
PROJECT: Response	e Fo	rces (RF) Facility (Curr	ent Missior	l)				
<u>REQUIREMENT</u> : TI	he 1	23rd Airlift Wing (AW)) requires pi	operly	v sized and	d configu	red f	acilities to
house the Response F	orce	es, which includes Fatal	ity Search &	k Recc	overy Tear	n and Ser	vice	S
(FSRT/SVS) of the Fo	(FSRT/SVS) of the Force Support Squadron (FSS), Emergency Medical Consequence Management						nagement	
(EMEDS-CM), Contingency Response Group (CRG) and Security Forces Squadron (SFS). As part of). As part of			
the RF, FSRT and SVS are comprised of a 41-person flight. FSRT/SVS supports domestic, and					c, and			
OCONUS operations	and	I is tasked including FSF	(I, beddow	n, care	chang feed	ing, and r	norti	uary affairs.
The EMEDS-CM pro	viae	es medical support to ind	idents invo	to ho i	unemicai mmodiata	BIOIOgica	il, IN	uclear and
operations CRG enab	llu I	rapid global mobility ar	d operates	in aust	are locati	ng n	ding	initial
airbase assessment of	nes nmn	nand and control airfiel	d operation	ni aust	o/naccena	er handli	າດ	mick turn
aircraft maintenance	fore	e protection air traffic	control con	s, carg tingen	cy load nl	anning ar	nd ea	uinment
preparation intelligen	ice.	contracting, finance su	oply, fuels	and ve	hicle main	ntenance	In	parrison the
r • r • · · · · · · · · · · · · · · · ·	,		rr- <i>j</i> , 1001 5,				2	, , , , , , , , , , , , , , , , , , ,

1 COMPONENT			2 DATE					
1. COMI ONLINI	FY 2018 MILITARY CONSTRUCTION PROJECT DA	TA	2. DATE					
ANG	(computer generated)		May 2017					
3. INSTALLATION	AND LOCATION							
LOUISVILLE INTERNATIONAL AIRPORT, KENTUCKY								
5. PROJECT TITLE	5. PROJECT TITLE 7. PROJECT NUMBER							
ADD/ALTER RESPO	ONSE FORCES FACILITY	W	EAS079054					
CRG requires admi	nistrative space for 115 traditional guardsmen and 14 full-	time pers	sonnel. SFS					
supports base secur	ity and global security contingencies with 75 drill status g	uardsmer	and 31 full-time					
CURRENT SITUA	TION: The CRG operates in temporary facilities and sha	red admiı	nistrative space at					
55% of required spa	ace. SFS currently operates in substandard space at less the	an 75% c	f required space.					
SVS and FSRT ope	rate in less than 20% of required space. The dining facilit	ty suppor	ts the wing with					
80% of required spa	ace. Current space deficiencies limit operational capabilit.	ies, traini	ng opportunities,					
and equipment stor	age. Inadequate space creates delays in response preparati	ion and m	nission support.					
Impacted units requ	ire space for operational preparation, mission support, cla	ssroom tr	aining,					
administrative activ	vities, and equipment storage. The limited space adds to o	perationa	l time constraints					
elements do not hay	regency and obstructs the majority of training activities. For we space for operational preparation or classroom training	In addit	ion the new					
Mobile Kitchen doe	es not have adequate covered storage which accelerates de	egradatio	n of stored					
equipment. The EN	MEDS-CM currently does not have any space to support it	s 47 drill	-status members					
for training or emer	gency medical response. The EMEDS-CM personnel cur	rently dri	ll at an Army					
National Guard site	scheduled for demolition.							
IMPACT IF NOT I	<u>PROVIDED</u> : The Response Force (RF) activities have ver	ry short r	esponse times to					
national defense tas	skings. Limited facility space increases response times by	approxin	nately 30%.					
and administer thou	isands of training requirements mobilization activities and	d group t	raining events in					
inadequate spaces.	The CRG has one classroom, which limits the frequency	of certain	types of training.					
Services and EMEI	DS-CM have no facilities for classroom training. Space is	not avail	able to support					
the FSRT mission.	During surge operations, mass mobilization of these units	are ham	pered by lack of					
space. Ineffective	work-arounds reduce time available for mission training.	These org	ganizational					
deficiencies cause	Airmen to deploy without adequate training. COCOM cor	nmanders	s will find these					
members inadequat	ely trained for the mission. I raining must often be accom	plished a	t other locations,					
in less than required	d facility space, which directly impacts preparation for der	SVS COII	readiness and					
operational efficien	cv For example SVS has no spaces to administer the wi	ng-wide f	itness program					
Operational deficie	ncies for SFS increase vulnerabilities in base security, incr	reasing ri	sk to base					
populace and degra	dation of mission capability.	Ū.						
ADDITIONAL: T	his project meets the criteria/scope specified in Air Nation	al Guard	Handbook 32-					
1084, "Facility Req	uirements." Force Protection measures have been consid	lered in t	he development					
of this project. Pro	ject siting meets standoll distance requirements. This fact	lity can b	ir National					
Guard requirements	components on as "as available" basis; however, the scope of the project is based on Air National							
construction, revita	lization, and status guo operation. Based on the net preser	nt values	and benefits of					
the respective altern	natives, new construction was found to be the most cost ef	ficient ov	ver the life of the					
project. Sustainabl	e principles, to include Life Cycle cost effective practices,	will be i	ntegrated into the					
design, developmen	and construction of the project in accordance with Executive	utive Ord	er 13423, 10					
USC 2802(c) and o	ther applicable laws and Executive Orders. Facility numb	er = 100	and $KPUID =$					
321290.								

CatCode

Requirement Adequate Substandard

1. COMPONENT		2. DATE		
	FY 2018 MILITARY CONSTRUCTI	ON PROJECT D	ATA	
ANG	(computer generate	ed)		May 2017
3. INSTALLATION	AND LOCATION			
LOUISVILLE INTE	RNATIONAL AIRPORT, KENTUCKY			
5. PROJECT TITLE			7. PROJE	CT NUMBER
ADD/ALTER RESP	ONSE FORCES FACILITY		W	EAS079054
171-443 RES I	ORCES G/TNG (FSS SVS 41 p	585 SM	0 SM	109 SM
722-351 DINI	NG FACILITY	956 SM	815 SM	0 SM
730-835 SECU	RITY FORCES (SF) OPERATION	929 SM	463 SM	425 SM
171-445 RESE	RVE FORCES O&T FACILITY	1,263 SM	0 SM	0 SM
171-450 RESE	RVE COMPONENT MEDICAL TRNG	437 SM	0 SM	0 SM
171-443 RES I	FORCES G/TNG (Honor Guard)	242 SM	0 SM	0 SM
CRG/SFS/FSS/EN	//EDS-CM ADMIN (171-445) 2 601 SM	= 28 000 SF		
ALTER SES & SV	JS ADMIN (730-835) 534 SN	A = 5.743 SF		
		1 3,715 51		

1. C	OMPONENT	FY 2018 MILITARY CONSTRUCTION PROJECT DA	TA	2. DATE					
	ANG			May 2017					
3. IN LOU	3. INSTALLATION AND LOCATION LOUISVILLE INTERNATIONAL AIRPORT, KENTUCKY								
5. PR	5. PROJECT TITLE 7. PROJECT NUMBER								
ADD	ADD/ALTER RESPONSE FORCES (RF) FACILITY								
			W	EAS0/9054					
12.	SUPPLEMENT	AL DATA:							
a.	Estimated Desig	gn Data:							
	(1) Status:								
	(a) Date D	esign Started		AUG 2014					
	(b) Parame	tric Cost Estimates used to develop costs		NO 500/					
	(c) Percent	Complete as of Jan 2016		50% LANI 2015					
	* (d) Date 33	% Designed		JAN 2015					
	(e) Date D	esign Complete		MAY 2017					
	(f) Type of	Design Contract		IDIQ					
	(g) Energy	Study/Life-Cycle analysis was/will be performed		YES					
	(2) Basis								
	(2) Dasis.	d or Definitive Design -		VFS					
	(b) Where	Design Was Most Recently Used -	Ke	ntucky ANG					
	(3) Total Cost ((c) = (a) + (b) or (d) + (e):		(\$000)					
	(a) Produc	tion of Plans and Specifications		9.360					
	(b) All Oth	er Design Costs		0					
	(c) Total			9.360					
	(d) Contra	nt		9,360					
	(e) In-Hou	se		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
	(4) Contract Av	ward (Month/Year)		NOV 2017					
	(5) Constructio	n Start		DEC 2017					
	(6) Constructio	n Completion		JUN 2019					
	* Indicates is comparal	completion of Project Definition with Parametric Cost Estimate ole to traditional 35% design to ensure valid scope and cost and	e which executabi	lity.					
b.	Equipment assoc	iated with this project will be provided from other appropriation	ns:	N/A					
PO	INT OF CONTA	CT: NGB/A4AD (240) (12 8420							
		(240) 612-8429							

EV 0040 C			2. DATE							
ANG FY 2018 GUARD AND RESERVE MILITARY CONSTRUCTION										
			May 2017							
AND LOCATION			4. AREA CONSTR							
ROSECRANS MEMORIAL AIRPORT, ST JOSEPH			1.04							
5. FREQUENCY AND TYPE OF UTILIZATION Forty Eight (48) unit training assemblies per year, Fifteen (15) days annual field training per year, daily use by full time work force consisting of technicians, State employees, and AGR's for unit training and mission accomplishment.										
 6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS 1 Army Reserve Center and 1 Army National Guard (Armory) – 13 Miles 										
QUESTED IN THIS PROGRAM										
	SCOPE	COST \$(000)	DESIGN STATUS							
ce Communications Facility	1.376 SM (14.800 SF)	<u>\$(000)</u> 10.000	Oct 16 Sep 17							
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION The Board recommendations are: Unilateral Construction Approved		<u>27 May 16</u> (Date)								
9. LAND ACQUISITION REQUIRED (Number		106 r of Acres)								
ANNED IN NEXT FOUR YEARS										
PROJECT TITLE		<u>SCOPE</u>	<u>\$(000)</u>							
truct C-130H Simulator Facility ce Base Supply Facilities building 52 AATTC Aircrft Prkg Apron Unfunded Requirement: \$13,270,000	2	929 SM (10,0 1,115 SM (12 45,149 SM (5	000 SF) 6,000 2,000 SF) 1,800 54,000 SY) 9,000							
	FY 2018 G MILITAL AND LOCATION IORIAL AIRPORT, ST JOSEPH ND TYPE OF UTILIZATION training assemblies per year, Fifteen cians, State employees, and AGR's for //GUARD/RESERVE INSTALLATION Inter and 1 Army National Guard (Arm PROJECT TITLE cc Communications Facility //E FORCES FACILITIES BOARD RE endations are: Unilateral Construction TON REQUIRED ANNED IN NEXT FOUR YEARS PROJECT TITLE ANNED IN NEXT FOUR YEARS PROJECT TITLE truct C-130H Simulator Facility ice Base Supply Facilities building 52 AATTC Aircrift Prkg Apron Unfunded Requirement: \$13,270,000	FY 2018 GUARD AND RESERVE MILITARY CONSTRUCTION AND LOCATION ORIAL AIRPORT, ST JOSEPH ND TYPE OF UTILIZATION Training assemblies per year, Fifteen (15) days annual field training ians, State employees, and AGR's for unit training and mission according assemblies per year, Fifteen (15) days annual field training ians, State employees, and AGR's for unit training and mission according assemblies per year, Fifteen (15) days annual field training ians, State employees, and AGR's for unit training and mission according assemblies per year, Fifteen (15) days annual field training ians, State employees, and AGR's for unit training and mission according assemblies per year, Fifteen (15) days annual field training ians, State employees, and AGR's for unit training and mission according assemblies per year, Fifteen (15) days annual field training ians, State employees, and AGR's for unit training and mission according and hyperbolices process factors with training and mission according to a field training ians, State employees, and AGR's for unit training and mission according to a field training and training and mission according to a field training and training and training and training and training according to a field training training training training training training training training according training trainin	FY 2018 GUARD AND RESERVE MILITARY CONSTRUCTION AND LOCATION ORNAL AIRPORT, ST JOSEPH ND TYPE OF UTILIZATION Training assembles per year, filteen (15) days annual field training per year, daily use b isans, State employees, and AGR's for unit training and mission accomplishment. GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS net rand 1 Army National Guard (Armory) – 13 Miles COST COST MUESTED IN THIS PROGRAM COST PROJECT TITLE SCOPE Summer Cost 2">2" COST SUMON COST SUMON COST COST 20000 COST COST COST COST COST COST COST 2" COST COST 2"							
1. COMPONENT		EV 2019				2. DA	TE			
------------------------------	---	----------------	-----------------	-----------------	--------------	----------------	-----------	--	--	--
		MILITA		RUCTION		May	2017			
						iviay	2017			
5. INOTALLATION /										
ROSECRANS MEMO										
11. PERSONNEL S	TRENGTH AS OF 05 N	/lar 16								
		PERMA	NENT		GUAR	D/RESERVE	Ē			
	TOTAL	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	ENLISTED			
AUTHORIZED	76	0	0	76	1,062	165	897			
ACTUAL	318	40	210	68	1,010	142	868			
12. RESERVE UNIT DATA										
CTDENOTU										
UNIT DES	IGNATION				AUTHORIZED	OTRENOT	ACTUAL			
139 AATTO 139 Aircrat	C ft Maintenance Squadr	วท			56 58		34 60			
139 Airlift \	Wing				51		48			
139 Civil E 139 Comm	ngineering Squadron				95 31		92 31			
139 CPF					12		10			
139 Force 139 Logist	Support Squadron ics Readiness Squadro	n			37 122		38 133			
139 Medic	al Group	h +			90		72			
139 Mainte 139 Missio	on Support Group	nt			21		20 8			
139 Mainte	enance Group				12 150		11			
139 Opera	itions Group				8		7			
139 Opera	itions Support Flight				45 75		48 76			
139 Stude	nt Flight				0		5			
180 Airlift S 241 Air Tra	Squadron				101 90		96 87			
		TO	TALS		1,062		1,015			
13. MAJOR EQUIPM	MENT AND AIRCRAFT									
	TYPE				AUTHORIZED		ACTUAL			
Vehicles C-130H Aircraft					160 10		148 10			
Support Equipment					177		173			
Vehicle Equivalents					405		402			

			ONIDD		m (
1. COMPONENT	FY 2018 MILITARY CO	NSTRUCTI	ON PRO	UJECT DA	IA 2	2. DATE
ANG	(comp	uter generati	May 2017			
3. INSTALLATION AN	D LOCATION		4. PROJECT TITLE			
	2 200111010		REPLACE COMMUNICATIONS			
ROSECRANS MEMORI	AL AIRPORT, MISSOURI		FACIL	JTY		
5. PROGRAM ELEMEN	T 6. CATEGORY CODE	7. PROJEC	CT NUMBER 8. PROJECT COST(\$000)			
					_	10.000
52276F	131-111	UL	YB0490	040	\$	10,000
	9. COST	ESTIMATI	ES			
	ITEM			OUANTE	UNIT	COST
DEDLACE COMMUNIC	TIEM TATIONS FACILITY			QUANIII 1 276		(\$000)
COMMUNICATIONS	S FACILITY (131111)		SM	948	3 13	(2,969)
RELOCATE COMMU	UNICATIONS SWITCH (13	1111)	LS	510	5,15	(918)
FATALITY SEARCH	AND RECOVERY TEAM	(442758)	SM	186	3,13	2 (583)
RESERVE FORCES	GENERAL TRNG SPT (171	443)	SM	242	3,13	2 (758)
SUPPORTING FACILI	ΓIES					3,593
UTILITIES			LS			(459)
PAVEMENTS						(408)
SITE IMPROVEMEN	(15 AND FENCING)			2 0 2 0	16	(012)
MCCA: STORM WA	TFR MAIN			2,039	10	(328)
UTILITY CO WATE	R MAIN RELOCATION		LS			(1,2,0)
SUSTAINABILITY AN	D ENERGY MEASURES		LS			157
SUBTOTAL						8,978
CONTINGENCY (5%)						449
TOTAL CONTRACT C	OST CTION AND OVERHEAD (((0/)				9,427
SUPERVISION, INSPE	CTION AND OVERHEAD ((0%)				<u> </u>
TOTAL REQUEST	UNDED)					10,000
	01(222)					10,000
10. Description of Pro	posed Construction: Cons	struct a Cor	nmunic	cations Fac	cility to inc	lude Fatality
Search and Recovery T	eam Storage and Reserve	Forces Gen	neral Tr	aining Suj	pport utilizi	ing
conventional design and	d construction methods to	accommod	ate the	mission o	f the facilit	y. Facilities
will be designed as per	manent construction in acc	ordance wi	ith the l	DoD Unif	ied Facilitie	es Criteria
(UFC) 1-200-01, Gener	al Building Requirements	and UFC 1	-200-0	2, High Po	erformance	and
Sustainable Building R	equirements. The facility	should be c	compati	ible with a	pplicable I	DoD, Air Force,
and base design standar	ds. In addition, local mate	erials and c	onstruc	ction techr	iques shall	be used where
cost effective. This pro	ject will comply with Dol) antiterror	1sm/for	ce protect	ion require	ments per
unified facilities criteria	a. Special Construction R	equirement	ts:. All	three func	tions will t	be collocated
and project will relocate	e main communications ar	a telephon	e swite	n. Facility	shall inclu	de proper mail
room with blast walls a	nd ventilation, auto-start o	ackup gene	ring lot	vitn UPS,	foncing on	ion system,
Extension of the storm	water main and releastion	of Utility (s, security	ill be seen	a lighting.
an Military Construction	n Cooperative A greement	(MCCA) v	vith the	eity	III De accon	iprisited under
11 REQUIREMENT	$\frac{1}{1}$ 375 SM ADFOLIAT	$\frac{(MCCA)}{F \cdot 0 \text{ SM}}$		ΓΔΝΠΔΡ	$D \cdot 13608$	M
PROJECT Construct	Communication FSRT &	r Training I	Facility	(Current	D. 1,500 S Mission)	01 v1
REQUIREMENT Th	e base requires a communi	cations fac	ility th	at is adeau	ately sized	to support the
telephone maintenance	. LAN system, radio main	tenance, co	mputer	r maintena	nce functio	ons and a 34
person communication	ns flight. The Facility Sea	rch and Re	coverv	Team (FS	RT) missio	n requires space
for storage of all the re	quired equipment. The ba	se also req	uires th	e training	administra	tive space for
30 person honor guard	flight and storage.	1		U		•
CURRENT SITUATIO	<u>DN</u> : The existing commun	ications fa	cility (l	Building 4) was built	in 1951 for use
as a Base Supply Adm	in Facility and expanded in	n 1986. Aft	ter the f	flood of 19	993 that left	t the entire
facility under 4 feet of	water, the facility was con	figured for	Maint	enance Ad	<u>lminstration</u>	n, Base Supply,

1 COMPONI	INT						2 DATE			
1. COMPONE	EIN I	FV 2018 N	AIL ITARY CO	NSTRUC	TION PROJECT D	ΔΤΔ	2. DATE			
ANG		1120101	(com	outer gener	ated)		May 2017			
3 INSTALLA	ATION	AND LOCATIO	N	aver Bener			1.1.4.9 2017			
ROSECRANS	MEMO	ORIAL AIRPOR	T, MISSOURI							
5. PROJECT T	TITLE		/			7. PROJE	ECT NUMBER			
REPLACE CO	OMMU	NICATIONS FA	CILITY			UI	LYB049040			
Civil Engine	ering, a	and Contracting	. The facility	was not re	econfigured for Co	ommunicat	tions once those			
functions mo	oved or	it. The current f	acility is 16,4	20 SF wh	ich includes comn	nunication	s 9,509 SF, audio			
visual/public	visual/public affairs 2,029 SF, warehouse 3,932 SF, base admin 402 SF, and flight simulator 441 SF. It									
is not proper	ly cofig	gured to suppor	t a Communio	cations Sq	uadron. The Com	municatior	n assets in the			
facility are valued at over \$3M and the building does not provide sufficient fire protection for personnel										
or the server	rooms	. The communi	cations portio	n of the bu	uilding currently c	arries a Fi	re Safety			
Deficiency C	Code of	1. If a fire wer	e to occur, the	e mission v	would be adversel	y affected	and all			
communicat	ion cap	abilities would	be lost. The b	ouilding as	a whole cannot n	neet ATFP	standards,			
including the	e mail r	oom which lack	ks proper ven	tilation an	d blast walls. Con	struction o	f a new			
communicat	ions fa	cility will reloca	ate the commu	unications	switch to the nort	h end base	property.			
IMPACT IF	NOT I	<u>PROVIDED</u> : T	he unit will n	ot have a p	proper facility in v	which to pe	erform			
Communicat	tions F	light, FSRT, and	d training acti	vities. Un	it will continue to	operate in	a facility that			
does not prot	tect coi	nmunication se	rvers or perso	onnel due t	to the lack of ATF	P complia	nce and a fire			
suppression	system	where the com	munications s	switch is lo	ocated. Facility cu	rrently ass	igned Fire Safety			
Deficiency C	Code I.	The existing co	mmunication	s facility v	will need extensive	e structura	l upgrades to			
meet ATFP s	standar	ds and meet fut	ure mission re	equiremen	ts. It will continue	e to cost ex	cessive			
additional m	oney fo	or future Militar	y Construction	on projects	s that are construct	ted on the	north end of the			
base due to t	he lack	of proper com	n infrastructu	re. Missic	on execution and the	raining wil	l be conducted in			
an inefficien	t and in	neffective mann	er.	1 1 2 0	1					
ADDITION	<u>AL</u> : Si	istainable princ	iples, to inclu	de Life Cy	ycle cost effective	practices,	will be integrated			
into the desig	gn, dev	elopment and c	onstruction of	t the proje	ct in accordance v	with Execu	tive Order 13693,			
10 USC 280.	2(c) an	d other applicat	ble laws and E		Orders. This proje	ct meets th	ie criteria/scope			
specified in A	Air Nai	lional Guard Ha	indbook 32-10	U84, Faci	lity Requirements	and is in	distance with			
the base mas	ster pla	n. These facilit	ies are innat	marad aan	angs and meet in	e standon	distance			
requirements	s. All e	rowitalization	and status au	epared con	n although prolim	inves of fit	w construction,			
partial collsu	N conc	, revitalization,	and status qu	o operatio	alution Unon con	nilary anal	this project			
Bldg 52 Bas	o Wara	house $(12.4/3)$	F Bldg 56 S	unnly She	d(1.350 SE) Bld	a 58 Base	Supply Whee &			
$\Delta dmin (7.43)$	OSE)	nd Bldg 82 Flt	Sim Trng (7)	(1SE) will	be demolished T	g Jo Dasc This project	t is part of a			
larger consol	lidatior	and Diug 62 Pit	Ving Portion	s of Build	ing 1 will be reutil	lized by B	i is part of a			
RPIIID = 51	5219	Facility number	r = 4	s of Dulla	ing + will be reach	lized by Da	ase Suppry.			
	5217.	I definty fidinioe	ч.							
CatCode					Requirement	Adequate	Substandard			
131-111	TELEC	COMMUNICA	TIONS FACE	LITY	948 SM	0 SM	933 SM			
442-758	BASE	SUPPLY & EO	UIPMENT V	VHSE	186 SM	0 SM	186 SM			
171-443	RESER	VE FORCES (GENERAL T	RANING	242 SM	0 SM	242 SM			
1,11,0						0.0111	2.2.011			
FATALITY	SEAR	CH AND RECO	OVERY TEA	M (44275	8)186 SM = 2,000) SF				
RESERVE F	FORCE	S GENERAL T	TRNG SPT (1	71443)24	2 SM = 2,600 SF					
COMMUNI	CATIC	DNS FACILITY	(131111)	948 SN	M = 10,200 SF					

1. C	OMPONENT	FY 2018 MILITARY CONSTRUCTION PROJECT DA	TA	2. DATE
		(computer generated)		
	ANG			May 2017
3. IN ROS	STALLATION	AND LOCATION DRIAL AIRPORT, MISSOURI		
5. PF	OJECT TITLE		7. PROJE	ECT NUMBER
REP	LACE COMMUN	NICATIONS FACILITY	U	LYB049040
12.	SUPPLEMENT	AL DATA:		
a.	Estimated Desig	gn Data:		
	(1) Status:			
	(a) Date D	Design Started		OCT 2016
	(b) Parame	etric Cost Estimates used to develop costs		No
	(c) Percent	t Complete as of Jan 2017		35%
	* (d) Date 35	5% Designed		JAN 2017
	(e) Date D	esign Complete		SEP 2017
	(f) Type of	Design Contract		Standard
	(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 -		N/A
	(3) Total Cost (f(c) = (a) + (b) or (d) + (e).		(\$000)
	(a) Product	tion of Plans and Specifications		490
	(b) All Oth	her Design Costs		322
	(c) Total			812
	(d) Contra	ct		812
	(e) In-Hou	se		
	(4) Contract Av	ward (Month/Year)		MAR 2018
	(5) Constructio	n Start		APR 2018
	(6) Construction	n Completion		JUN 2019
	* Indicates is comparal	completion of Project Definition with Parametric Cost Estimate ble to traditional 35% design to ensure valid scope and cost and	e which executabi	lity.
b.	Equipment assoc	iated with this project will be provided from other appropriation	ns:	N/A
PO	ΙΝΤ ΟΓ ΓΟΝΤΔ	CT: NGB/A4AD		
ru	THE OF CONTA	(240) 612-8712		

1. COMPONENT	EX 0040 OI		-	2. DATE			
	FY 2018 GU	JARD AND RESERVE					
ANG	MILLIAR	CONSTRUCTION		May 2017			
3. INSTALLATION	AND LOCATION			4. AREA CONSTR			
HANCOCK FIELD,	SYRACUSE			1.13			
5. FREQUENCY AN	ND TYPE OF UTILIZATION	iald training partypart, daily	use hyTechnician/AC	force and for training			
Four Unit Training A	ssemblies per month, 15 days annual	feid training per year, dally	use by rechnician/AGF	R force, and for training.			
6. OTHER ACTIVE	GUARD/RESERVE INSTALLATIONS	WITHIN 15 MILES RADIUS	al Reserve Center, on	e Marine Reserve Center			
and two Army Reser	ve Centers.						
7. PROJECTS REC	QUESTED IN THIS PROGRAM						
CATEGORY		SCODE		DESIGN STATUS			
	FROSECT TITLE	<u>300FL</u>	<u>\$(000)</u>	<u>START</u> <u>COMPLETE</u>			
171-445 Add to	Flight Training Unit, Building 641	850 SM (9,150 SF)	6,000	Sep 16 Sep 17			
8. STATE RESERV	E FORCES FACILITIES BOARD REC						
Drum; GDT: 4 @ SY	/R/4 @ Drum; Towers: 4 @ SYR; 3 @	Drum	4 @ Drum/ 2@ AOR, 1 <u>26 N</u>	May 16			
			(C	Date)			
9. LAND ACQUISIT	ION REQUIRED			None			
			(Numbe	er of Acres)			
10. PROJECTS PLA	ANNED IN NEXT FOUR YEARS						
CATEGORY			SCOPE	COST \$(000)			
OODE				<u>\$(000)</u>			
R&M	unfunded requirement: \$21,528,000						

1. COMPONENT		EV 2019				2. DA	λΤΕ		
		MILITA	RY CONST	RUCTION			0017		
						Мау	/ 2017		
3. INSTALLATION A									
HANCOCK FIELD, S	SYRACUSE								
11. PERSONNEL S	TRENGTH AS OF 30 I	Mar 16							
		PERMA	NENT		GUAF	RD/RESERVI	=		
	TOTAL	OFFICER	ENLISTED	<u>CIVILIAN</u>	TOTAL	OFFICER	ENLISTED		
AUTHORIZED	513	99	412	2	1,179	237	942		
ACTUAL	398	73	323	2	1,115	167	948		
12. RESERVE UNIT	12. RESERVE UNIT DATA								
	STRENGTH								
UNIT DES 138 ATKS	<u>IGNATION</u>				AUTHORIZED		ACTUAL 81		
108 ATKS					44		28		
152 Air Op	erational Group	on			143 89		111 65		
174 Civil E	ingineering Squadron	on			93		88		
174 Comm 174 Comm	nunication Flight				31		32		
174 Comp 174 Detac	hment 1				9		14		
174 Detac	hment 2 Support Squadrop				14		12		
174 Force 174 ATKW	Support Squadron				43 44		42 38		
174 Logistics Readiness Squadron 69 68							68		
174 Medic 174 Mainte	al Group enance Operations Flig	ght			53 13		47 12		
174 Missic	on Support Group				8		6		
174 Mainte 174 Mainte	enance Group enance Squadron				35 75		31 77		
174 Opera	tions Group				18		6		
174 Opera 174 Securi	itions Support Squadro	n			109 74		84 67		
174 Stude	nt Flight				21		133		
274 Air Su	pport Operations Squa	adron TO	TALS		<u>75</u> 1.179		<u>62</u> 1.115		
					.,		.,		
13. MAJOR EQUIP	MENT AND AIRCRAFT	Γ							
-	<u>TYPE</u>				AUTHORIZED		ACTUAL		
MQ-9 Reaper MQ-9 Field Training	Det				12		6 2		
Ground Control Fixed	d				1		1		
Ground Control Stati	on Mobile DMGCS				3		2		
Ground Control Stati	on (FGCS) (FTD)				1		1		
Support Equipment					336		327		
MQ-9 Caskets					14		4		
Ground Data Termin	als (GDT)				8		8		
MEOC Trailer	arrowers				o 1		o 1		
Vehicle Equivalents					468		534		

1. COMPONENT	FY 2018 MILITARY CO	NSTRUCTIC	ON PRO	OJECT DA	ТA	2.	DATE
	(comp	uter generated	d)			М.	2017
ANG 3 INSTALLATION AND			4 E	PROJECT		Ma	y 2017
J. INSTALLATION AND	LOCATION		add 1	TO FLIGH	T TRAINI	NG I	UNIT.
HANCOCK FIELD, NEW	YORK]	BUILE	DING 641			,
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJEC	T NUN	IBER	8. PROJI	ECT	COST(\$000)
53218F	171-212	HAA	W169()06		\$6,	800
	9. COST	ESTIMATES	S				
					UNI	Т	COST
	ITEM	_	U/M	QUANTIT	Y COS	Т	(\$000)
ADD TO FLIGHT TRAIN	ING UNIT BUILDING 64	.1	SM SM	855	6.1	03	5,218
SUPPORTING FACILITI	ES		5101	055	0,1	05	(3,218)
COMMUNICATIONS A	AND ALLIED SUPPORT		LS				(377)
UTILITIES			LS				(189)
PAVEMENTS	G		LS				(94)
SITE IMPROVEMENT FNFRGY AND SUSTAIN	5 IARII ITV MEASURES						(57)
SUBTOTAL	MDILIT T WILMOOKLO		LS				6,093
CONTINGENCY (5%)							305
TOTAL CONTRACT COS	ST						6,398
SUPERVISION, INSPECT	I ION AND OVERHEAD (6%)					<u> </u>
TOTAL REQUEST	NDED)						6,800
	,						,
10. Description of Propo	osed Construction: Cons	truct additio	on to a	n existing	Flight Ti	ainii	ng Unit
facility by utilizing conve	entional design and const	ruction met	hods t	o accomm	nodate the	mis	sion of the
facility. Facilities will be	designed as permanent	construction	i in ac	cordance '	with the I $\frac{1}{200}$ $\frac{1}{02}$	DOD	Unified
Performance and Sustain	able Building Requireme	ing Require	nients cility s	and UFC	compatib	, пц	gn ith
applicable DoD Air Force	e and base design stand	ards In add	lition	local mate	erials and	con	struction
techniques shall be used y	where cost effective. Th	is project wi	ill con	nply with	DoD anti	terro	rism/force
protection requirements p	per unified facilities crite	ria. Special	l Cons	truction F	Requireme	ents:	Dedicated
HVAC systems for equip	ment and server rooms,	roll-up doors	s, and	communi	cations al	lied	support.
Facility to be architectura	l compatible with existin	ng facility.					
Air Conditioning: 35 KW		E 1 450 CD	/ CI			C M	
II. REQUIREMENT: 2 PROJECT: Add to Fligh	2,305 SM ADEQUAL	E: 1,450 SN wilding 641	1 SU	BSIANI Mission)	DARD: 0	SM	
$\frac{PROJECT}{RFOURFMENT}$ Add to Fligh	hase requires a properly	sized and pr	onerly	v configur	ed Field 1	Frain	ing Unit to
support MO-9 Reaper air	rcrew (pilot and sensor o	perator) trai	ning a	nd 12 PA	A MO-9	aircr	aft.
Additional Flying Training	ng Unit (FTU) space is r	equired as the	ne thro	oughput of	f students	has	doubled and
the existing facility cann	ot support the increased	throughput v	volum	e without	expansio	n. R	equired
functional areas include	Mobile and/or Fixed Gro	ound Control	l Stati	ons (2), si	mulator s	pace	es (2),
classrooms (2), administr	rative and support and la	trine spaces	as we	ll as dedic	cated Act	tive l	Duty
Associate administrative	spaces.	aht Training	TInit	is housed	in Duildi	n ~ 6	41 The
<u>CUKKEN1 SITUATION</u> : The MQ-9 Reaper Flight Training Unit is housed in Building 641. The					41. The		
environment Due to inc	reasing operational dem	and on the R		mmunity	system q as well a	s nei	rforming
under an extended surge	posture. the throughput	of trained cr	ews is	not suffic	cient to m	leet c	operational
demands. A doubling of	crews to producing a m	inimum of 8	0 crev	vs annuall	y is requi	red t	0
accommodate both operation	tional needs and person	nel requirem	ents.	The facili	ty was no	ot des	signed to
house the instructors, sta	ff, and equipment, name	ly ground co	ontrol	stations, a	and simula	ator	stations,
I required to handle a doub	oling of student crew nui	nbers. Traii	ning c	lassrooms	, briefing	area	is, and

1. COMPONENT				2. DATE
ANG	FY 2018 MILITARY CONS (compute	STRUCTION PROJECT DA	ATA	May 2017
3. INSTALLATION	AND LOCATION	0 /		
HANCOCK FIELD, 1	NEW YORK			
5. PROJECT TITLE			7. PROJI	ECT NUMBER
ADD TO FLIGHT TH	RAINING UNIT, BUILDING 641		H	AAW169006
student and instruct throughput volume and that action alor physical infrastruct <u>IMPACT IF NOT I</u> facilities. Requisite crews. Expanded a and crews would ne and high-impact mi trained crews, and r increasing levels of capacity afforded b <u>ADDITIONAL</u> : TI 1084, "Facility Req incorporate sustain constructability, sus and natural environ exceeding DoD cos with lower life cycl (EPAct05), 10 USC economic analysis leasing and status q economic solution. CatCode 171-212 FLGHT	tor spaces are already full and re and posture. Scheduling and tra he will not sufficiently increase to ure and capacity. <u>PROVIDED</u> : The FTU will com- e training will not be accomplish and increased student throughput of be adequately or fully trained assion accomplishment. The enti- not enough crews are being train Foperation. That situation would by this project were not realized. his project meets the criteria/sco- guirements" and is in compliance able development concepts, so an stainability, and energy conserva- ments through all phases of its li- sting standards, but the initial inv- le costs. This is consistent with to C 2802, Executive Order 13423, is being prepared comparing the uo operation. Preliminary analy Facility number is 00641 and the T SIMULATOR TRAINING	quire expansion in order aining on double shifts ha hroughput without a corr tinue to operate in unders ned resulting in longer qu cannot accommodate lev to conduct mission opera ire RPA enterprise is dep ned at present in order to se d be greatly exacerbated is pe specified in Air Natio e with the installation dev s to achieve optimum res ation, while minimizing a ife cycle. This may resulvestment in higher acquis the requirements of the E and other applicable laws alternatives of new consi- vsis indicated that new co he RPUID is 435214. Requirement 2,305 SM 855 SM = 9,200 SF	to accommodely accommodely accommodely accommodely accommodely accommodely accommodely accommodely accommodely and accommodely	nodate the new been employed, g increase in over crowded a times for student ng requirements oardizing sensitive on production of ntinuing and ad training Handbook 32- plan. Project will ciency, pacts to the built ry facility costs will be rewarded icy Act of 2005 cutive Orders. An evitalization, a is the most Substandard 0 SM

1. C	OMPONENT	FY 2018 MILITARY CONSTRUCTION PROJECT DA	TA	2. DATE
		(computer generated)		
	ANG			May 2017
3. IN HAN	STALLATION COCK FIELD, N	AND LOCATION NEW YORK		
5. PR	OJECT TITLE		7. PROJI	ECT NUMBER
ADD	TO FLIGHT TR	AINING UNIT, BUILDING 641		
			HA	AAW169006
12.	SUPPLEMENT	AL DATA:		
a.	Estimated Desig	gn Data:		
	(1) Status:			
	(a) Date D	besign Started		SEP 2016
	(b) Parame	complete as of len 2017		N0 250/
	(c) Percent * (d) Data 24	Complete as of Jan 2017		23% ADD 2017
	(a) Date 5:	osion Complete		APR 2017 SED 2017
	(e) Date D	Design Complete		
	(g) Energy	Study/Life-Cycle analysis was/will be performed		VFS
	(g) Litergy	Study/Ene-Cycle analysis was/will be performed		125
	(2) Basis:			
	(a) Standar	d or Definitive Design -		No
	(b) Where	Design Was Most Recently Used -		
	(2) Total Cost ((a) = (a) + (b) ar(d) + (a)		(\$000)
	(3) Total Cost (C = (a) + (b) OI (d) + (c).		(\$000)
	(a) Floade (b) All Oth	her Design Costs		108
	(c) Total			378
	(d) Contra	et		378
	(e) In-Hou	se		570
	(4) Contract Av	ward (Month/Year)		FEB 2018
	(5) Constructio	n Start		MAR 2018
	(6) Constructio	n Completion		JUN 2019
	* Indicates is comparal	completion of Project Definition with Parametric Cost Estimate ble to traditional 35% design to ensure valid scope and cost and	e which executabi	lity.
b.	Equipment assoc	iated with this project will be provided from other appropriation	ns:	N/A
PO	INT OF CONTA	CT: NGB/A4AD		
		(240) 612-8767		

1. COMPONENT				2. DATE
	FY 2018 GU	ARD AND RESERVE		
ANG	MILITARY	CONSTRUCTION		May 2017
3. INSTALLATION A	AND LOCATION			4. AREA CONSTR
				COST INDEX
TOLEDO EXPRESS	AIRPORT, OHIO			.97
5. FREQUENCY AN	D TYPE OF UTILIZATION			
Two unit training ass	emblies per year month, 15 days annu	al field training per year, dail	y use by technician/	AGR force and for
training.				
6. OTHER ACTIVE/	GUARD/RESERVE INSTALLATIONS	WITHIN 15 MILES RADIUS		
One Army Reserve C	Center; One Navy Operations Support	Center		
7. PROJECTS REQ	UESTED IN THIS PROGRAM			
CATEGORY			COST	DESIGN STATUS
CODE	PROJECT TITLE	<u>SCOPE</u>	<u>\$(000)</u>	START COMPLETE
141-183 NORTH	HCOM - Construct Alert Hangar	2.717 SM (29.250 SF)	15.000	Nov 15 Jan 18
	een een aarga	_, (_0,_00 0.)	.0,000	
8. STATE RESERV	e FORCES FACILITIES BOARD REC	JIMIMENDA HON	18	Dec 15
The Board Tecomine		φρισνέα	<u>-10</u>	Date)
			(
9. LAND ACQUISIT	ION REQUIRED		/N L	None
			(Numb	er or ACres)
10. PROJECTS PLA	NNED IN NEXT FOUR YEARS			
CODE			8000F	COST
	PROJECT TITLE		<u>SCOPE</u>	<u>\$(000)</u>
R&M I	Unfunded Requirement: \$13.000.000			

1. COMPONENT		EV 2018				2. D/	ATE		
		MILITA				May	/ 2017		
3. INSTALLATION A	AND LOCATION								
TOLEDO EXPRESS	AIRPORT, OHIO								
11 PERSONNEL S	TRENGTH AS OF 31	Mar 16							
TH. TEROORNEE O					0114		-		
	τοται			CIVILIAN	GUA ΤΟΤΑΙ				
	<u>101AL</u>				1.002				
AUTHORIZED	393	30	300	2	1,002	90	906		
ACTUAL	385	35	348	2	1,029	98	931		
12. RESERVE UNIT	12. RESERVE UNIT DATA								
STRENGTH									
UNIT DES	IGNATION er Squadron				AUTHORIZED		ACTUAL 36		
180 Aircra	ft Maintenance Squad	ron			207		210		
180 Civil E 180 Comm	ngineering Squadron				49 32		54 37		
180 Comp 180 Eorce	troller Flight				12 51		13 58		
180 Fighte	er Wing				51		51		
180 Logist 180 Medic	ics Readiness Squadro al Group	on			78 40		95 53		
180 Mainte	enance Operations Flig	ght			24		19		
180 Mainte	enance Group				20		18		
180 Mainte 180 Opera	enance Squadron				260 5		249 5		
180 Opera	itions Support Flight				38		45		
180 Secur 180 Stude	nt Flight				74 20		78 0		
555 Air Fo	rce Band	то	TALS		<u>0</u> 1,002		<u>0</u> 1,029		
13. MAJOR EQUIP	MENT AND AIRCRAF	Г							
- Vehicles	TYPE				AUTHORIZED		ACTUAL		
F-16 C/D Aircraft					18		21		
Vehicle Equivalents					195 319		192 286		

1. COMPONENT		FY 2018 MILITARY CO	NSTRUCTIC	ON PRO	OJECT DA	ТA	2.	DATE
ANC		(comp	uter generated	d)			Ma	
ANG 3 INSTALLATION	AND	OCATION		May 2017				
5. INSTREEMION		Location		NORTHCOM-CONSTRUCT ALERT				
TOLEDO EXPRESS	AIRPO	ORT, OHIO]	HANGAR				
5. PROGRAM ELEM	ENT	6. CATEGORY CODE	7. PROJEC	T NUN	ABER	8. PROJI	ECT	COST(\$000)
51216F		141-183	WYT	FD079031 \$15,000				
		9 COST	ESTIMATE	S		1		,
		7.0051				UNI	Т	COST
		ITEM		U/M	QUANTIT	Y COS	Т	(\$000)
NORTHCOM-CONS	STRU	CT ALERT COMPLEX		SM	2,717			8,904
AIRCRAFT ALE	RT SH	ELTERS (141183)		SM	2,717	2,9	28	(7,955)
PARKING RAMP	' ΡΑνί π ιτι	EMENT (113321)		SM	5,017		89	(948)
CONCRETE PAV	ILIIIE 'EMEN	25 JT DEMOLITION		SM	5.017		81	4,437
SHELTER DEMC	DITIC	N		EA	3,017	26.0)50	(104)
EMERGENCY BA	ACKU	P POWER		LS		,		(105)
SITE IMPROVEN	1ENTS	5		LS				(365)
FIRE SUPRESSIC	DN			LS				(2,604)
INCURSION DET	TECTI	ON SYSTEM SUPPORT		LS				(105)
SECURITY LIGH	TING	UDDODT						(115)
UTILITY SUPPO	UNS S RT	UFFURI						(133)
SUSTAINABILITY	AND	ENERGY MEASURES		LS				203
SUBTOTAL								13,564
CONTINGENCY (5	%)							678
TOTAL CONTRAC	T COS							14,242
SUPERVISION, INS	SPECT	ION AND OVERHEAD (6%)					<u>854</u> 15 006
TOTAL REQUEST	ROUT	NDED)						15,090
1011111112(01011	(110 01	(222)						10,000
10. Description of	Propo	sed Construction: Cons	struct two air	rcraft	shelters ut	ilizing co	nvei	ntional
design and construc	tion m	nethods to accommodate	the mission	of the	e facility.	Facilitie	s wi	ll be
designed as perman	ent co	nstruction in accordance	e with the D	oD Ur	nified Faci	ilities Crit	teria	(UFC) 1-
200-01, General Bu	ilding	Requirements and UFC	1-200-02, H	High P	Performan	ce and Su	stair	nable
Building Requireme	ents. [The facility should be co	mpatible wi	ith app	plicable D	oD, Air F	orce	, and base
design standards. In	1 addi	tion, local materials and	construction	n tech	niques sha	all be used	1 wh	ere cost
facilities oritoria	ect wi	I comply with DoD ant	iterrorism/ic	orce pi	rotection r	equireme	nts p	th outomatic
opening front and re	pecial	craft doors: install heating	ng fire deter	stion s	and high e	wo alleia	foar	n/closed
head wet-nine sprin	kler fi	re suppression systems	Provide su	nort f	for intrusi	on detecti	ion s	vstem
Extend utility infrac	tructu	re to the site, and provid	le backup er	nergei	ncv genera	ator. Den	nolis	h existing
pavement to make r	oom f	or new construction. rep	air concrete	paver	ment to su	pport nev	v har	ngar
construction and the	e requi	red parking area for two	spare aircra	aft.		11		8
11. REQUIREME	NT: 2	,717 SM ADEQUAT	E: 0 SM S	SUBS	ΓANDAR	D: 0 SM		
PROJECT: Constr	uct Ai	r Control Alert (ACA)	Fighter Airc	raft A	lert Hang	ars (Curre	ent N	Aission)
REQUIREMENT:	The 1	80th Fighter Wing requ	uires properl	y site	d, sized, a	nd config	ured	ACA Fighter
Aircraft Alert Hangars for sheltering, parking, servicing, loading and unloading six aircraft (fe					t (four			
primary response an	nd two	back-up) on alert statu	s that must r	espon	d within p	prescribed	l tim	e limits for
the Air Sovereignty	Alert	mission. The alert han	gars, apron,	and ta	ixiway mu	ist be part	t of a	an alert
complex that has di	rect ru	inway access, is sited to	comply wit	n exp	losive qua	intity dista	ance	(QD)
have fire suppression	n res	anotive distances and su	navements	under	the foote	ues. AllC	1dlt	sneners must
and as required for	n. D utility	support (6 000 SV)	pavements	undel	the tootp	int of pla	inneo	a facilities
and as required 101	amity	Support (0,000 D1).						

1 COMPONENT				2 DATE
1. CONFORENT	EV 2018 MILITARY C	ONSTRUCTION PROJECT DA	ΔТΔ	2. DATE
ANG	(con	muter generated)	1171	May 2017
3 INSTALLATION	AND LOCATION	iputer generated)		11111 2017
5. 11.5111221111011				
TOLEDO EXPRESS	AIRPORT, OHIO			
5. PROJECT TITLE	,		7. PROJE	ECT NUMBER
NORTHCOM-CONS	TRUCT ALERT HANGAR		W	YTD079031
CURRENT SITUA	TION: The 180th Fighter V	Wing has been tasked with an	alert miss	ion in support of
the NORAD Aeros	pace Control and NORTHC	OM homeland defense missio	on that beg	gan in Fiscal Year
2009. The unit is c	urrently sheltering alert airc	raft in interim fabric covered	tensioned	steel framed
aircraft hangars to s	support the mission until per	rmanent facilities can be cons	tructed. E	xisting hangars
are not energy effic	ient, were constructed on th	e existing parking ramp block	king aircra	ft parking areas
for the training mis	sion, and do not have any fo	orm of fire suppression for mu	initions lo	aded aircraft.
Existing base fire s	uppression system is insuffi	cient and must be upgraded to	meet the	requirement of
these proposed faci	lities. The current shelters l	nave little ventilation and may	not be pr	operly protected
and ventilated for F	-22 and F-35 aircraft. The	existing shelters do not have r	permanent	catwalks to
manually open and	maintain the hangar doors.	The existing emergency pow	er generat	or for the hangars
is natural gas.	C		C	C
IMPACT IF NOT I	PROVIDED: Aircraft could	l operate under non-optimal al	lert respor	se conditions
which will negative	ely impact the ability to laur	ch on time. The base will con	ntinue to i	nstitute interim
administrative proc	edures for alert mission resp	oonse, aircraft maintenance op	perations,	logistical support,
fire detection, and o	civil engineering capabilities	s as a workaround until a pern	nanent ale	rt complex with
site improvements	is provided. Aircraft uploa	ded with munitions will conti	inue to oc	cupy shelters and
that do not have fir	e protection systems. Aircra	aft that are not on alert status	are forced	to taxi in front of
the munitions loade	ed aircraft on alert, and taxi	through the security zone.		
ADDITIONAL: T	his project meets the criteria	/scope specified in Air Nation	nal Guard	Handbook 32-
1084, "Facility Rec	juirements" and is in complia	ance with the base master plan	n. This fa	cility can be used
by other componen	ts on an "as available" basis	; however, the scope of the pr	roject is ba	ased on Air
National Guard req	uirements. An economic ar	alysis has been prepared com	paring the	alternatives of
new construction, r	evitalization, leasing and sta	atus quo operation. Based on	the net pro	esent values and
benefits of the resp	ective alternatives, new con	struction was found to be the	cost effici	ent over the life
of the project. An e	economic analysis is being p	prepared comparing the altern	atives of r	new construction,
revitalization, leasing	ng and status quo operation.	Preliminary assessment has	indicated	new construction
is the bset alternativ	ve. Sustainable principles, t	o include Life Cycle cost effe	ctive prac	tices, will be
integrated into the	design, development and con	nstruction of the project in acc	cordance v	with Executive
Order 13423, 10 U	SC 2802 [©] and other applica	ble laws and Executive Order	S.	
CatCode		Requirement	Adequate	Substandard
141-183 ALER	ΓHANGAR	2,717 SM	0 SM	0 SM
113-321 APRO	Ν	5,017 SM	0 SM	0 SM
		-		
AIRCRAFT ALER	T SHELTERS (141183)	2,717 SM = 29,250 SF		

1. CC	OMPONENT	FY 2018 MILITARY CONSTRUCTION PROJECT DA	TA	2. DATE
		(computer generated)		
2 DI	ANG			May 2017
3. IN	STALLATION	AND LOCATION		
TOLI	LDU EAFKESS	AIRFORT, OHIO		
5 PR	OIFCT TITLE		7 PROI	FCT NUMBER
NOR	THCOM - CONS	STRUCT ALERT HANGAR	/. I KOJI	
			W	YTD079031
12.	SUPPLEMENT	TAL DATA:		
a.	Estimated Desig	gn Data:		
	(1) G			
	(1) Status:	logion Startad		NOV 2015
	(a) Date D (b) Parame	Pesign Started		NOV 2015 No
	(c) Percent	t Complete as of Ian 17		35%
	* (d) Date 34	5% Designed		UIL 2016
	(e) Date D	esign Complete		JAN 2018
	(f) Type of	f Design Contract		IDIO
	(g) Energy	Study/Life-Cycle analysis was/will be performed		YES
	(0) 0)	5 5 5 1		
	(2) Basis:			
	(a) Standar	rd or Definitive Design -		No
	(b) Where	Design Was Most Recently Used -		
	(2) = (1 - 1)			(\$000)
	(3) I otal Cost ((c) = (a) + (b) or (d) + (e):		(\$000)
	(a) Produc	tion of Plans and Specifications		152
	(0) All Ou (a) Total	iei Design Costs		570 1 128
	(d) Contra	ct		1,120
	(e) In-Hou	se		1,120
	(0) III 1104			
	(4) Contract Av	ward (Month/Year)		SEP 2018
	(5) Constructio	n Start		OCT 2018
	(6) Constructio	n Completion		DEC 2010
	(0) Constructio	ii Completion		DEC 2019
	* Indicates is comparal	completion of Project Definition with Parametric Cost Estimate ble to traditional 35% design to ensure valid scope and cost and	e which executabi	lity.
hī	Fauinment assoc	isted with this project will be provided from other appropriation	ng.	N/A
0.1	Squipment assoc	lated with this project will be provided from other appropriation	15.	IN/A
POI	NT OF CONTA	CT [.] NGB/A4AD		
101		(240) 612-8712		
		(=) 012 0/12		

1. COMPONENT					2. DAT	E				
	F	Y 2018 GUAR	D AND RESERVE							
ANG		MILITARY C	ONSTRUCTION		May 2	017				
3. INSTALLATIO	N AND LOCATION				4. ARE	A CONSTR				
KLAMATH FALLS	LAWATH FALLS INTERNATIONAL AIRFORT, OREGON I.TT									
5. FREQUENCY Four unit training a 15 RTU Training,	AND TYPE OF UTILIZATIO assemblies per month, 15 da Flight Surgeons School, Air	N ays annual field tr Traffic Control/RA	aining per year, daily use APCON.	e by technician/AGR	force and f	or training. F-				
OTHER ACTIV Army National G	E/GUARD/RESERVE INST	ALLA HONS WH	HIN 15 MILES RADIUS							
7. PROJECTS R	EQUESTED IN THIS PROG	RAM								
CATEGORY				COST	DESIGN	STATUS				
	PROJECT TITLE		SCOPE	<u>\$(000)</u>	START	COMPLETE				
211-159 Cons 179-475 Cons	struct Corrosion Control Har struct Indoor Range	ngar	1,496 SM (16,100 SF) 1,143 SM (12,300 SF)	10,500 8,000	Oct 16 Jan 17	Jun 17 Dec 17				
8. STATE RESEF The Board recomm	RVE FORCES FACILITIES E nendations are: Unilateral C	BOARD RECOM	MENDATION roved	<u>14 </u> (E	J <u>an 16</u> Date)					
9. LAND ACQUIS	ITION REQUIRED				None					
				(Numbe	r of Acres)	_				
10. PROJECTS P	LANNED IN NEXT FOUR Y	EARS				0.005				
CATEGORY <u>CODE</u>	PROJECT TITLE			<u>SCOPE</u>		COST <u>\$(000)</u>				
131-111 Cor 116-661 MC	struction Communications A	Addition B210 n Pad		422 SM (4,54 669 SM (7,20	42 SF) 00 SY)	2,600 2,000				
R&I	/I Unfunded Requirement: \$	45,380,000								

1. COMPONENT		EV 2040			-	2. D/	ATE				
				J RESERVE	-						
ANG						Мау	/ 2017				
3. INSTALLATION A	AND LOCATION										
KLAMATH FALLS INTERNATIONAL AIRPORT, OREGON											
11. PERSONNEL STRENGTH AS OF 09 Feb 16											
PERMANENT GUARD/RESERVE											
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	ENLISTED				
AUTHORIZED	1,182	93	823	266	916	93	823				
ACTUAL	1,113	87	785	241	872	87	785				
12. RESERVE UNIT											
						OTDENOT					
UNIT DES	IGNATION				AUTHORIZED	STRENGT	ACTUAL				
114 Fighte	r Squadron				23		16				
173 Aircrai 173 Civil F	tt Maintenance Squad	ron			137		139 9				
173 Comm	nunication Flight				30		36				
173 Comp	troller Flight				13		14				
173 Fighte 173 Logist	r wing ics Readiness Squadr	on			47		47 84				
173 Medic	al Group				41		47				
173 Mainte 173 Missio	enance Operations Flight	ght			22 18		20 25				
173 Missic	on Support Group				8		6				
173 Mainte	enance Group				20		12				
173 Mainte 173 Opera	enance Squadron				230		216				
173 Opera	itions Support Squadre	on			48		47				
173 Secur	ity Forces Squadron				74		67				
270 Air Tra	affic Control Squadron				22 90		79				
173 Comp	troller Flight				13		13				
173 M/FSF	-	TO	TALS		<u>18</u> 947		<u>24</u> 911				
13. MAJOR EQUIP	MENT AND AIRCRAF	т									
Vehicles					152		138				
F-15 Aircraft					26		32				
Support Equipment					185 418		175 418				
Venicie Equivalents					410		410				

1. COMPONENT		FY 2018 MILITARY CO	NSTRUCTIO	ON PRO	OJECT DA	TA	2.	DATE
(computer general				ed)				w 2017
3 INSTALLATION AND LOCATION				A PROJECT TITLE				
				CONSTRUCT CORROSION CONTROL				
KLAMATH FALLS I	NTER	NATIONAL AIRPORT, O	OREGON	HANGAR				
5. PROGRAM ELEM	ENT	6. CATEGORY CODE	7. PROJEC	T NUN	1BER	8. PROJ	ECT	COST(\$000)
52276F		211-159	KJA	Q1190	06		\$10	,500
		9. COST	ESTIMATE	S				<u></u>
						UNI	Т	COST
		ITEM		U/M	QUANTIT	Y COS	Т	(\$000)
CONSTRUCT CORE	KOSIC NTRC	ON CONTROL HANGAR	211159)	SM SM	1,496 1,124	3 -	767	5,475
NON-DESTRUCT	IVE I	NSPECTION SHOP (211)	(53)	SM	372	3.3	337	(4,234) (1.241)
SUPPORTING FACE	LITIE	ES	,		- · -	- ,-		3,765
TAXIWAY ACCE	ESS (P	AVEMENTS)		LS				(1,150)
UTILITIES				LS				(295)
SITE IMPROVEM		5 TIONS						(350)
COMMUNICATIO)EKA)N SI	IPPORT						(340)
EXTERIOR ELEC	TRIC	ITY/RAMP LIGHTING		LS				(110)
HEF FIRE SUPPR	ESSI	ON		LS				(1,100)
SUSTAINABILITY	AND	ENERGY MEASURES		LS				$\frac{194}{124}$
SUBIOIAL CONTINGENCY (59	<i>()</i>							9,434 472
TOTAL CONTRACT	ΓCOS	ST						9,906
SUPERVISION, INS	PECT	TION AND OVERHEAD (6%)					594
TOTAL REQUEST								10,500
10. Description of	Propo	sed Construction: Cons	truct an airc	craft co	orrosion c	ontrol hai	ngar	utilizing
conventional design	and c	construction methods to a	accommoda	te the	mission o	f the facil	lity.	Facilities
will be designed as p	perma	nent construction in acc	ordance wit	th the l	DoD Unif	ied Facili	ties	Criteria
(UFC) 1-200-01, Ge	neral	Building Requirements	and UFC 1	-200-0	2, High Point	erforman	ce ar	nd D A' F
Sustainable Building	g Keq	urements. The facility s	should be co	ompati	ble with a	ipplicable	2 D0	D, Air Force,
and base design stan	nroie	t will comply with Do	antiterrori	onstruc sm/for	ce protect	ion requi	ill Dt	e used where
unified facilities crit	eria	Special Construction R	equirement	s. Exte	rior work	includes	all n	ecessary
exterior utilities, site	e impr	ovements, access paven	nents, fire p	rotecti	on, site w	ork. and s	supp	ort.
Construct for seismi	c in N	Northwest Region.	, P		,	, ~	-rr	
Air Conditioning: 88	8 KW							
11. REQUIREMEN	NT: 1	,496 SM ADEQUATI	E: 0 SM _ S	SUBS	FANDAR	D: 1,496	SM	
PROJECT: Aircraf	t Con	rosion Control Hangar (Current Mis	ssion)	1 (1 1	71 (1 T	- 11	
<u>REQUIREMENT</u> :	King	sley Field Air National (Juard Base	locate	d on the K	Clamath F	alls.	, OR Airport
nerformance of corr	ery sr	zed, property configured	hoth on a	onmen nd off	the aircr	facility IC	or the	e
inspection testing in	03101 1 51101	Nort of 26 PAA F-15 airc	raft Funct	ional «	reas inclu	ide corros	sion	control
hangar bay, support	shon	space, non-destructive	inspection (NDI)	shop. nain	it sprav a	rea f	or painting
large and small part	ts, tra	ining and administration	areas. Ap	on acc	cess to the	hangar b	ay is	s necessary.
Environmentally sa	fe exl	naust/control systems to	prevent air	pollut	ion and an	n oil/wate	r sep	parator to
prevent corrosion co	ontan	ninates or fuel spills from	n entering t	he soil	/aquifer o	r waste w	vater	system will
be required. The 17	73 FW	is the only Air Force F	-15 Formal	Traini	ng Unit b	ase and a	lso a	n Operation
NOBLE EAGLE ca	ipable	e wing.	с ·	-				
CURRENT SITUA	TION	: Washing and NDI x-r	ay function	s are b	eing perfo	ormed in a	an oi	utdated
tormer alert shelter.	Air	exnaust and filtering dui	ring corrosi	on con	trol opera	tions do i	not n	neet

1. COMPONENT				2. DATE
ANG	FY 2018 MILITARY CONSTRU (computer se	JCTION PROJECT DA	AIA	May 2017
3. INSTALLATION	AND LOCATION	norated)		101ay 2017
KLAMATH FALLS	INTERNATIONAL AIRPORT, OREG	ON		
5. PROJECT TITLE			7. PROJEC	JT NUMBER
CONSTRUCT CORF	ROSION CONTROL HANGAR		KJ	AQ119006
environmental stan	dards. This has caused a backlog of	work and reduced mi	ssion effect	tiveness due to
long lead times. As	an alternate method, corrosion cont	rol operations are per	formed in t	he fuel cell
hangar and have to $rac{15}{2}$ at a time	be coordinated with ongoing fuel ce	ell operations. The fu	el cell hang	gar can only hold
are performed in a	geographically separate facility far r	emoved from the lab	and testing	equipment
thereby reducing m	ission effectiveness With 8 additio	nal F-15s corrosion	control has	become the
most significant bo	ttle neck and impacts syllabus flight	training for the only	F-15C Flig	ht Training Unit
in the entire Air Fo	rce. The lack of safe Corrosion Con	trol facilities has mad	le this a RA	AC II Safety
issue for the trainin	g wing.			
IMPACT IF NOT	PROVIDED: Rapid devaluation of e	each \$25M aircraft oc	curs due to	deferred
maintenance. Risk	to military mission success is more	likely, and greater ris	k to pilots	and flying safety
occurs when these	maintenance tasks are deterred or no	t accomplished. Stud	lent pilot tr	aining backlog
of syllabus required	ments will grow due to a lack of mis	sion capable aircraft.	Lack of ac	requate facilities
173rd to accomplis	h mission requirements	shipo of operations cu	intentity ben	ng placed on the
ADDITIONAL: T	his project meets the criteria/scope s	pecified in Air Nation	nal Guard F	Jandbook 32-
1084, "Facility Rec	juirements" and is in compliance with	th the base master pla	n. Antiteri	orism/Force
Protection requirem	hents have been considered in the de	velopment of this pro	ject. This	facility is an
"inhabited" buildin	g and meet the standoff distance req	uirements. There is n	ninimal thr	eat and the level
of protection is low	v so minimum construction standards	s have been applied.	This facilit	y can be used by
other components of	on an "as available" basis; however,	the scope of the proje	ect is based	on Air National
Guard requirement	s. Sustainable principles, to include	Life Cycle cost effect	ive practice	es, will be
Order 12422 10 U	design, development and construction $S_{\rm C} = 2802(a)$ and other applicable law	n of the project in ac	cordance w	ith Executive
has been prepared	SC = 2802(C) and other applicable law	s and Executive Orde	tion leasing	and status quo
operation Based of	in the net present values and benefits	of the respective alter	ernatives n	ew construction
was found to be the	e cost efficient over the life of the pro-	oiect.	, , , , , , , , , , , , , , , , , , ,	
	1	5		
CatCode		Requirement	Adequate	Substandard
211-159 AIRCH	RAFT CORROSION CONTROL	1,124 SM	0 SM	1,124 SM
211-153 NDI		372 SM	0 SM	372 SM
CORROSION COL	NTROL HANGAR & SHOPS (2111	59)1 124 SM = 12 10	00 SF	
NON-DESTRUCT	IVE INSPECTION SHOP (211153)	372 SM = 4,000 SF		

1. C	OMPONENT	FY 2018 MILITARY CONSTRUCTION PROJECT DA	TA	2. DATE
		(computer generated)		
	ANG			May 2017
3. IN	STALLATION .	AND LOCATION		
KLA	MATH FALLS I	NTERNATIONAL AIRPORT, OREGON		
5. PR	ROJECT TITLE		7. PROJE	ECT NUMBER
CON	STRUCT CORR	OSION CONTROL HANGAR		
			K	JAQ119006
12.	SUPPLEMENT	AL DATA:		
a.	Estimated Desig	gn Data:		
	(1) Status:			
	(a) Date D	Design Started		OCT 2016
	(b) Parame	etric Cost Estimates used to develop costs		No
	(c) Percent	t Complete as of Jan 0		35%
	* (d) Date 35	5% Designed		JAN 2017
	(e) Date D	esign Complete		JUN 2017
	(f) Type of	f Design Contract	Ι	Design-Build
	(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 -		
	(3) Total Cost (f(c) = (a) + (b) or (d) + (e)		(\$000)
	(a) Product	tion of Plans and Specifications		(\$000) 850
	(b) All Oth	her Design Costs		75
	(0) All Oul	ici Desigli Costs		025
	(c) Total	-4		923
	(d) Contrac	ct		925
	(e) In-Hou	se		
	(4) Contract Av	ward (Month/Year)		APR 2018
	(5) Constructio	n Start		MAY 2018
	(6) Constructio	n Completion		OCT 2019
	* Indicates is comparal	completion of Project Definition with Parametric Cost Estimate ble to traditional 35% design to ensure valid scope and cost and	e which executabi	lity.
b.	Equipment assoc	iated with this project will be provided from other appropriation	ns:	N/A
PO	INT OF CONTA	CT: NGB/A4AD		
		(240) 612-8508		

1. COMPONENT		FY 2018 MILITARY CO	NSTRUCTIO	ON PR	OJECT DA	ТA	2.	DATE
ANG (computer generate				1) May 2017				
3. INSTALLATION AND LOCATION				4. PROJECT TITLE				
	NTED	NATIONAL AIDDODT	ORECON	CONS	TDUCT D		ANG	T
5. PROGRAM ELEM	ENT	6. CATEGORY CODE	7. PROJEC	T NUN	MBER	8. PROJ	ECT	DE COST(\$000)
5007 (F		150 455	77.7.4	01500	0.6			000
52276F		179-475	KJA	Q1590	96		\$8,	000
		9. COST	ESTIMATE	<u>s</u>		LINI	т	COST
		ITEM		U/M	QUANTIT	Y COS	T	(\$000)
CONSTRUCT INDO	OR R	ANGE		SM	1,142			6,018
SMALL ARMS RA	ANGE TRNC	E(179-475) E & MAINT (171,476)		SM SM	975	5,4	190 183	(5,353)
SUPPORTING FACI	LITIE	ES (171-470)		SIVI	107	5,5	785	1,000
UTILITIES AND	COMN	MUNICATIONS SUPPOR	ХT	LS				(500)
SITE IMPROVEM	IENTS	3		LS				(250)
PAVEMENTS SUSTAINABLITY A	ND F	INFRGY MEASURES						(250)
SUBTOTAL		MERGT MERSORES		LS				7,168
CONTINGENCY (59	%)							358
TOTAL CONTRACT	COS	T	(0/)					7,526
TOTAL REQUEST	PECI	ION AND OVERHEAD (0%)					<u>431</u> 7 977
TOTAL REQUEST (ROUI	NDED)						8,000
10 D : .:	D			11	• 1	1	<u> </u>	
10. Description of maintenance facility	ntiliz	ving conventional design	and construct	II arm	s indoor ra methods t	ange and	CA I node	IN training α
mission of the facilit	v. Fa	cility shall be designed	as permane	nt con	struction i	n accorda	ince	with the
DOD Unified Facilit	ties C	riteria. The facility show	uld be comp	atible	with appl	icable Do	D, A	Air Force,
and base design stan	dards	. In addition, local mate	erials and co	onstruc	tion techr	niques 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 req	juirements:	Use m	odular sm	all arms	rang	e
construction to the n	naxim	um extent possible. all	necessary e	xterio	r utilities,	access pa	vem	ents, fire
components Provid	., and le doo	support. Provide utility	ess to modu	8 101 1 lar sm	all arms ra	nan anns ange equi	nme	ge equipment
facilitate maintenand	ce.		255 to modu	iui siii		inge equi	pine	
Air Conditioning: 10)5 KV	V.						
11. REQUIREMEN	NT: 1	,143 SM ADEQUATI	E: 0 SM S	SUBS	ΓANDAR	D: 0 SM		
PROJECT: Small A	Arms	Range/CATM Training	(Current M	ission)		1	
<u>REQUIREMENT</u> : sited small arms ran	I ne i	train and certify securit	dequately si	zea, p	roperly co	and mob	, and	correctly
accordance with AF	Ege 10	2226 The facility will h	ouse a MCS	SATS	(Modular	Containe	rizec	Small Arms
Training Set) for a t	otal o	of 12 to 14 firing lanes.	A combat a	rms tra	aining and	mainten	ance	(CATM)
facility, to provide of	lassro	oom training space, adm	inistrative s	space,	and arms	cleaning	and i	inspection
areas for members u	ising	the small arms range. T	he ANG ha	s both	members	that are r	equi	red to
perform armed dutie	es in-	garrison and others only	in continge	ency of	perations of	on both p	istol	and rifle in
CURPENT SITUA	'I 30 TION	2220, 1able 2-1.	not have an	organ	ic small a	rme range	o o o n	ability Drill
status members can	not he	aualified on base durin	not have an	vs-nei	-month dr	rill attend	ance	Work-
arounds include trav	veling	off-site at considerable	expense pe	r quali	fication.	Given the	e nev	v course of
fire includes a full 8	-hour	firing day, plus pre-firi	ng classroo	m fam	iliarizatio	n training	, coi	nbat arms
training can occupy	the n	najority of a drill weeker	nd, leaving	no tim	e for other	r function	al o	r ancillary
training. On base tr	ainin	g is considered the prefe	erred course	of act	ion becaus	se it mini	mize	es impacts to

1 COMPONEN	т				2 DATE
I. COMPONEN	1	FY 2018 MILITARY CONSTRU	CTION PROJECT DA	ТА	2. DATE
ANG		(computer ger	nerated)		May 2017
3. INSTALLAT	ION	AND LOCATION	·		
	101	NTEDNATIONAL AIDDODT ODEC	ON		
5 PROJECT TIT	JLS I TF	NIERNATIONAL AIRPORT, OREG	UN	7 PROI	FCT NUMBER
J. I ROJLET III	LL			7.1 1051	Let WOWBER
CONSTRUCT IN	NDO	OR RANGE		K	JAQ159096
drill time. The	AN	G's 89 wings each have Airmen who	need to qualify on ri	fle or pist	tol. However,
most ANG bas	es ha	ve too little real estate to support end	closed outdoor firing	ranges di	ue to the sizable
surface danger	zone	behind the target line; units seek ind	door ranges to minim	ize the ra	nge footprint,
maximize train	ing e	a by using low light lovels inside the	CATM Instructors,	and allow NCD/AA	S study which
considered the	cost	of travel and lost time this site had t	the third highest cost	-ner_quali	fication in the
ANG at more	than	\$1000 per student qualified	the time ingliest cost	-per-quan	incation in the
IMPACT IF N	OT F	PROVIDED: Installation personnel	will continue to trave	l conside	rable distances to
qualify on wear	pons	, negatively affecting all wing readir	ness and severely deg	rading th	eir wartime
mission. The i	nstal	lation will have to continue to travel	over 5 hours round t	rip, plus 4	4 hours of training
forces the unit	to sta	ay over night near the range, costing	\$XXXK annually. S	Safety, see	curity, and
physical protec	tion	of Wing personnel is hampered, end	angering both life an	d propert	y. Additionally,
installation sec	urity	forces will not have adequate training	ng and qualifications	which ree	auces overall base
protection of v	su en alual	all property are and property. According to the second sec	adequate training		sion and the
ADDITIONAL	J: Tł	ie ANG currently has 28 installation	s with a small-arms	indoor rar	nge. An
additional 24 A	NG	installations are units hosted on an in	nstallation with an op	perational	small arms
range, leaving	46 ir	stallations which lack organic range	capability. This pro	oject will	construct a
facility to enclo	ose t	he modular small arms range equipm	nent plus provide cla	ssroom ar	nd weapons
maintenance/ac	dmin	istrative space. The modular small a	arms range will be pr	ocured as	equipment from
another approp	riatio	on and installed inside the facility. I	he modular range ca	in be disas	ssembled and
transported to a	anou	let location if necessary.			
CatCode			Requirement	Adequate	Substandard
179-475 SN	/AL	L ARMS RANGE SYSTEM	975 SM	0 SM	0 SM
171-476 CC	OMB	AT ARMS TRNG & MAINT (CAT	167 SM	0 SM	0 SM
SMALL ADM	с D /	NGE (170 475) 075	SM = 10.500 SE		
COMBAT AR	5 KF MS '	$\frac{1}{173} + \frac{1}{173} + \frac{1}$	5M = 10,300 SF 7 SM = 1 800 SF		
COMDATI ARE	IVIS .		7 SIVI 1,000 SI		

1. CC	OMPONENT	FY 2018 MILITARY CONSTRUCTION PROJECT DAT	ГА	2. DATE
		(computer generated)		
	ANG			May 2017
3. IN KLAN	STALLATION . MATH FALLS I	AND LOCATION NTERNATIONAL AIRPORT, OREGON		
5. PR	OJECT TITLE		7. PROJE	ECT NUMBER
CONS	STRUCT INDO	OR RANGE	K.	JAQ159096
				~
12.	SUPPLEMENT	AL DATA:		
a.	Estimated Desig	gn Data:		
	(1) Status:			
	(a) Date D	esign Started		JAN 2017
	(b) Parame	tric Cost Estimates used to develop costs		No
	(c) Percent	Complete as of Jan 17		6%
	* (d) Date 35	5% Designed		SEP 2017
	(e) Date De	esign Complete		DEC 2017
	(f) Type of	Design Contract		IDIQ
	(g) Energy	Study/Life-Cycle analysis was/will be performed		No
	(2) Design			
	(2) Basis: (a) Standard	al an De Cariti as De sian		N.
	(a) Standar	d or Definitive Design -		No
	(b) Where	Design Was Most Recently Used -		
	(3) Total Cost ((a) = (a) + (b) or (d) + (a)		(\$000)
	(5) Total Cost ((0) = (0) + (0) 01 (0) + (0).		(\$000)
	(a) Product	uon Design Costs		400
	(0) All Out	ter Design Cosis		300
	(c) I otal			700
	(d) Contrac	et		700
	(e) In-Hou	se		
	(4) Contract Av	vard (Month/Year)		APR 2018
	(5) Construction	n Start		MAY 2018
	(6) Constructio	n Completion		JUL 2019
	* Indicates is comparal	completion of Project Definition with Parametric Cost Estimate ble to traditional 35% design to ensure valid scope and cost and	which executabi	lity.
b. I	Equipment assoc	iated with this project will be provided from other appropriation	s:	N/A
POI	NT OF CONTA	CT: NGB/A4AD		
1.01		(240) 612-4498		
		(=, 012 +170		

			2. DATE					
ANG FY 2018 GUARD AND RESERVE MILITARY CONSTRUCTION								
AND LOCATION			4. AREA CONSTR					
SIOUX FALLS			COST INDEX .93					
ID TYPE OF UTILIZATION emblies per year along with neces all facilities by technician/AGR for	ssary local annual field training day prce.	ys are utilized for requ	uired readiness training.					
GUARD/RESERVE INSTALLATI al Guard Armory and 1 Army/Na	ONS WITHIN 15 MILES RADIUS vy Reserve Facility							
UESTED IN THIS PROGRAM								
PROJECT TITLE	<u>SCOPE</u>	COST <u>\$(000)</u>	DESIGN STATUS START COMPLETE					
E FORCES FACILITIES BOARD	RECOMMENDATION ction Approved	<u>9 Au</u> (D	<u>ıg 2016</u> ate)					
ION REQUIRED		(Numbe	None r of Acres)					
NNED IN NEXT FOUR YEARS		•						
PROJECT TITLE		<u>SCOPE</u>	COST <u>\$(000)</u>					
Jnfunded Requirement: \$16,070	,000							
	FY 201 MILT MD LOCATION SIOUX FALLS D TYPE OF UTILIZATION mblies per year along with nece all facilities by technician/AGR for GUARD/RESERVE INSTALLAT al Guard Armory and 1 Army/Na UESTED IN THIS PROGRAM <u>PROJECT TITLE</u> Maintenance Shops E FORCES FACILITIES BOARD indations are: Unilateral Constru ON REQUIRED NNED IN NEXT FOUR YEARS <u>PROJECT TITLE</u> Jnfunded Requirement: \$16,070	FY 2018 GUARD AND RESERVE MILITARY CONSTRUCTION ND LOCATION SIOUX FALLS D TYPE OF UTILIZATION mblies per year along with necessary local annual field training da all facilities by technician/AGR force. GUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS al Guard Armory and 1 Army/Navy Reserve Facility UESTED IN THIS PROGRAM PROJECT TITLE SCOPE Maintenance Shops 4,253 SM (45,780 SF) E FORCES FACILITIES BOARD RECOMMENDATION ndations are: Unilateral Construction Approved ON REQUIRED NNED IN NEXT FOUR YEARS PROJECT TITLE Jnfunded Requirement: \$16,070,000	FY 2018 GUARD AND RESERVE MILITARY CONSTRUCTION IND LOCATION SIOUX FALLS D TYPE OF UTILIZATION mblies per year along with necessary local annual field training days are utilized for requal all facilities by technician/AGR force. SUARD/RESERVE INSTALLATIONS WITHIN 15 MILES RADIUS al Guard Armory and 1 Army/Navy Reserve Facility UESTED IN THIS PROGRAM COST \$0000 PROJECT TITLE SCOPE \$0000 Maintenance Shops 4,253 SM (45,780 SF) 13,000 QAL ON REQUIRED (Number NNED IN NEXT FOUR YEARS PROJECT TITLE SCOPE SUMPROVER TO A PPROVEND QAL ON REQUIRED (Number NNED IN NEXT FOUR YEARS PROJECT TITLE SCOPE Jununded Requirement: \$16,070,000 SCOPE					

1. COMPONENT		EV 2019			=	2. DAT	E		
ANG		MILITA		RUCTION	-	May 2	017		
3. INSTALLATION A	AND LOCATION					Way 2	017		
JOE FOSS FIELD									
		ov 15							
11. PERSONNEL S	TRENGTH AS OF 29 Ma	ay 15							
	тоты		NENT		GUARD/	RESERVE			
	<u>TOTAL</u>	<u>JFFICER</u>	ENLISTED	CIVILIAN	<u>TOTAL</u> O	FFICER	ENLISTED		
AUTHORIZED	367	43	322	2	1,034	116	918		
ACTUAL	358	42	315	1	1,027	109	918		
12. RESERVE UNIT	DATA								
STRENGTH									
UNIT DES	IGNATION	-			AUTHORIZED	<u>/</u>	ACTUAL		
114 Aircrai 114 Civil E	in Maintenance Squadroi	1			206 91		86		
114 Comm	nunication Flight				31		31		
114 Comp 114 Force	troller Flight Support Squadron				12 48		13 47		
114 Fighte	r Wing				44		41		
114 Logist	ics Readiness Squadron	1			76		73 50		
114 Medica 114 Mainte	enance Operations Flight	t			24		20		
114 Missio	n Support Group				8		7		
114 Mainte	enance Group enance Squadron				229		217		
114 Opera	tions Group				5		4		
114 Opera 114 Securi	tions Support Flight				36 74		35 66		
114 Stude	nt Flight				21		72		
175 Fighte	r Squadron				32 27		31 28		
		TO	TALS		1,034	-	1,027		
F-16 Aircraft	<u>IYPE</u>				AUTHORIZED 18	4	ACTUAL 22		
Support Equipment					213		208		
Vehicle Equivalents					381		381		

8								
1. COMPONENT	FY 2018 MILITARY CO	NSTRUCTI	ON PR	OJECT DA	ТA	2.	DATE	
(computer genera								
ANG			May 2017					
3. INSTALLATION AN	DLOCATION		4. I	PROJECT	ITTLE			
JUE FUSS FIELD, SUUI			AIKCKAFI MAINTENANCE SHOPS					
5. PROGRAM ELEMEN	1 6. CATEGORY CODE	7. PROJEC	I NUN	IBEK	8. PROJ	EUI	COST(\$000)	
52276F	217-712		20090	42		\$12	000	
522701	217 712			12		$\psi_1 z$,000	
	9. COST	ESTIMATE	-8			T	COST	
	ITEM		TT/M	OUANTIT		T	(\$000)	
AIDCDAET MAINTEN			SM	4 252	1 003	1	(\$000)	
AIRCRAFT MAINTEN	ANCE SHOPS		SM	4,233	2	174	(1535)	
AIRCRAFT MAINT	TENANCE SHOPS		SM	836	2,	174	(1,333)	
AVIONICS SHOP			SM	1.180	2.	174	(2.565)	
ELECTRONICS CC	UNTERMEASURES POD	SHOP	SM	853	2.	174	(1.854)	
WEAPONS MAINT	ENANCE SHOP		SM	678	2,	174	(1,474)	
SUPPORTING FACILIT	FIES						1,319	
UTILITIES			LS	1	262,	500	(262)	
PAVEMENTS			LS	1	334,0	688	(335)	
SITE IMPROVEME	ENTS		LS	1	143,4	438	(143)	
DEMOLITION			SM	3,034		151	(458)	
COMMUNICATIO	NS SUPPORT		LS	1	120,0	000	(120)	
SUSTAINABILITY AN	D ENERGY MEASURES		LS	1	184,0	588	$\frac{185}{750}$	
SUBIOIAL							10,750	
TOTAL CONTRACT C	OST						$\frac{338}{11,299}$	
SUPERVISION INSPE	CTION AND OVERHEAD (6%)					677	
TOTAL REQUEST	e non AND OVERIEAD	070)					$\frac{077}{11965}$	
TOTAL REQUEST (RO	UNDED)						12,000	
	-)						2	
10. Description of Pro	posed Construction: Cons	truct an Ai	rcraft N	Aaintenan	ce Facilit	y to	replace	
multiple existing maint	enance structures utilizing	convention	al desi	gn and co	nstruction	n me	thods to	
accommodate the missi	on of the facility. Faciliti	es will be d	lesigne	d as perm	anent cor	istru	ction in	
accordance with the Do	D Unified Facilities Criter	ria (UFC) 1	-200-0	1, Genera	l Building	g Re	quirements	
and UFC 1-200-02, Hig	h Performance and Sustai	nable Build	ling Re	quiremen	ts. The fa	acilit	y should be	
compatible with applica	able DoD, Air Force, and b	base design	standa	rds. In ad	ldition, lo	cal r	naterials and	
construction techniques	shall be used where cost	effective. T	This pro	oject will	comply w	vith I	DoD	
antiterrorism/force prot	ection requirements per ur	nified facilit	ties cri	teria. Spe	ecial Con	struc	tion	
Requirements: Provide	utilities, pavements, park	ing area, co	mmun	ications su	apport, ar	nd sit	e	
improvements. Demoli	sh three buildings (32,661	SF).						
Air Conditioning: 263 I	KW.	,						
11. REQUIREMENT:	4,253 SM ADEOUAT	E: 0 SM	SUBS	ΓANDAR	D: 3,393	SM		
PROJECT: Aircraft M	laintenance Shops (Curren	t Mission)			,			
REQUIREMENT: The	e base requires correctly si	zed and pro	operly	configured	d aircraft	mair	ntenance	
facilities to support repair and maintenance of 18 PAA F-16 aircraft Functions required include								
maintenance shops, av	maintenance shops, avionics and electronic coutermeasures (ECM) shops, weapons system maintenance							
management, training a	management training areas administrative areas storage snace and equipment parking							
CURRENT SITUATIO	DN: Aircraft maintenance	functions p	resent	v occupy	four sepa	arate.	mostly	
substandard facilities.	Much of the space designation	ated for the	se func	tions is le	ss than re	auir	ed for	
effective operations. F	or example, the Avionics	shop is 50%	6 short	on its rea	uired spa	ce ar	nd the ECM	
Pod Shop and Storage	facility is 40% undersized	. The Aircr	aft Ge	neral Purn	ose shop	s are	11% short of	
their required space bu	t are split among multiple	facilites the	at are in	1 verv nor	or condition	on ar	nd	
inefficiently use space	As a workaround, valuah	le aircraft l	nangar	space is lo	ost while	bein	g used for	
tool storage. The shops are poorly located in relation to associated functional areas for proper aircraft					oper aircraft			

1. COMPONENT	EV 2018 MILITARY CONSTRUCT		хтλ	2. DATE					
ANG	FI 2018 MILITAKI CONSTRUCT	ION PROJECT DP ted)	IIA	May 2017					
3 INSTALLATIO	N AND LOCATION	.cu)		Widy 2017					
5. 11,511122.122.1									
JOE FOSS FIELD	SOUTH DAKOTA								
5. PROJECT TITL	E		7. PROJE	ECT NUMBER					
AIRCRAFT MAINTENANCE SHOPS LUXC099042									
maintenance. For example, the Electro/Environmental Shop should be located with other aircraft									
general purpose	shops. The existing EUVI pou storage factor	lity is inadequate,	, does not	have the proper					
IMPACT IF NO	C IS rapidly deteriorating.	tronic counterme	equires ma	intonanco					
activities will co	<u>I FROVIDED</u> . Aviones, anotati and electronic in inefficient degraded facilities. In	areased aircraft r	naintenan	ce renair time					
will result due to	dispersed layout of related functions result	ting in longer ren	air times	and subsequent					
reduction in mis	ion canable rates. Existing facilities have	a high number of	`maintena	nce and					
emergency work	orders especially in electrical plumbing a	and structural area	as Curren	t conditions will					
worsen as facilit	es age resulting in increased repair and dai	ly operating cost	s due to er	nergy inefficiency					
caused by inade	uate insulation and old HVAC and lighting	g systems.							
ADDITIONAL:	Completion of this project will allow for t	he demolition of	Building 2	20 (5,465 SF),					
Building 25 (6,0	00 SF) and Building 13 (21,196 SF) becaus	se they are in the	footprint (of construction.					
Force protection	requirements have been addressed. This fa	acility is a "prima	iry gatheri	ng" building and					
meets the stando	ff distance requirements. There is no threa	t and the level of	protection	n is low so					
minimum constr	action standards have been applied. The pr	roject meets the c	riteria/scc	pe specified in					
Air National Gu	rd Handbook 32-1084, "Facility Requirem	ients" and is in co	ompliance	with the base					
installation deve	opment plan. Sustainable principles, to inc	clude Life Cycle	cost effec	tive practices,					
will be integrate	into the design, development and constru-	ction of the projection	ct in accor	dance with					
Executive Order	13693, 10 USC 2802[c] and other applicat	ole laws and Exec	utive Ord	ers. An					
economic analys	is has been prepared comparing the alterna	tives of new cons	struction, 1	revitalization,					
leasing and statu	s quo operation. Based on the net present	values and benefi	ts of the r	espective					
alternatives, new	construction was found to be the cost efficiency	cient over the life	of the pro	ject. Facility					
number for the r	ew building is 17 and the RPUID is 12766	75.							
		D : (. 1						
		Requirement	Adequate	Substandard					
21/-/12 AV	UNICS SHUP	1,180 SM	0 SM	508 SM					
21/-/13 EUN 211 157 AID	$\begin{array}{c} 1 \text{ POD SHOP & STUKAUE} \\ \hline \\ 0 \text{ PAET ODC MADIT (AMIL) SHOD} \end{array}$	833 SIVI 826 SM	0 SIVI	208 21VI					
211-134 AIK	KAFI UKU MAINI (AMU) SHUP	830 SIVI 706 SM	0 SIVI	008 SIVI 706 SM					
211-152 ANY 610 120 WE	KFI UENEKAL PUKPUSE (UP) SH NDON SVS MAINT MCMT (WSMM)	/00 SIVI 678 SM	0 SIVI 0 SM	/00 SIVI					
010-129 WE	APON 515 MAINT MOMT (W SMIM)	078 5101	0.51	927 SIVI					
	ENIED AL DUDDOSE SHODS 706 SM	M – 7 600 SE							
AIRCRAFT O	AINTENANCE SHOPS 836 SM	M = 9,000 SF							
AVIONICS SI	I = 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1	f = 12,700 SF							
FI FCTRONIO	S COUNTERMEASURES POD SHOP85	12,700 SI 3 SM = 9 180 SF	2						
WEAPONS M	AINTENANCE SHOP 678 SM	M = 7.300 SF							
DEMOLITION	3 034 SM	I = 32.661 SF							
DEMOLITION	5,05151	52,001 51							

1. C	1. COMPONENT FY 2018 MILITARY CONSTRUCTION PROJECT DATA			2. DATE
	ANG			May 2017
3. IN	ISTALLATION	AND LOCATION		
JOE	FOSS FIELD, SC	JUTH DAKUTA		
5 PR	OIFCT TITI F		7 PROIE	FCT NUMBER
AIRO	CRAFT MAINTE	ENANCE SHOPS	7. I ROJI	Let NOWIDER
			LU	JXC099042
12.	SUPPLEMENT	TAL DATA:		
a.	Estimated Desig	gn Data:		
	(1) Stature			
	(1) Status:	Design Started		IUN 2015
	(a) Date D (b) Parame	estill Staticu		JUN 2013 No
	(c) Percent	t Complete as of Jan 17		35%
	* (d) Date 35	5% Designed		SEP 2016
	(e) Date D	esign Complete		AUG 2017
	(f) Type of	f Design Contract		IDIQ
	(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) Product	(c) = (a) + (b) of (a) + (c).		(\$000)
	(b) All Oth	her Design Costs		460
	(c) Total			974
	(d) Contra	ct		974
	(e) In-Hou	se		
	(4) Contract Av	ward (Month/Year)		FEB 2018
	(5) Constantin			MAD 2019
	(5) Constructio	n Start		MAK 2018
	(6) Constructio	n Completion		ПП. 2019
	(0) Constructio			0012017
	* 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.
b.	Equipment assoc	iated with this project will be provided from other appropriation	1S:	N/A
DO		CT. NCD/AAAD		
PO	UNI OF CONTA	(240) 612 8420		
		(240) 012-0429		

1. COMPONENT				2. DATE		
	FY 2018 GU					
ANG	MILLI AR f	CONSTRUCTION		May 2017		
3. INSTALLATION A	AND LOCATION			4. AREA CONSTR		
MCGHEE TYSON A	IRPORT, KNOXVILLE			.85		
5. FREQUENCY AN Four unit training ass	ID TYPE OF UTILIZATION semblies per month, 15 days annual fiel	d training per year, daily us	e by technician/AGR	force and for training.		
6. OTHER ACTIVE/	GUARD/RESERVE INSTALLATIONS V	VITHIN 15 MILES RADIUS				
Three Army National and one Navy Reser	Guard Armories, one Army Aviation Su	pport Facility, one Army Re	serve Unit, one Marir	ne Corps Reserve Unit		
7. PROJECTS REQ	UESTED IN THIS PROGRAM					
CATEGORY			COST	DESIGN STATUS		
CODE	PROJECT TITLE	<u>SCOPE</u>	<u>\$(000)</u>	START COMPLETE		
211-111 Replac	e KC 135 Maintenance Hangar and	5,332 SM (57,400 SF)	23,000	Oct 16 Sep 17		
010	55					
8. STATE RESERV	E FORCES FACILITIES BOARD RECO	MMENDATION				
The Board recomme	ndations are: Unilateral Construction A	pproved	<u>12 J</u>	<u>12 Jan 16</u> (Date)		
			(L	Jale)		
				Nono		
9. LAND ACQUISH	ION REQUIRED		(Numbe	r of Acres)		
10. PROJECTS PLA	NNED IN NEXT FOUR YEARS		-			
CATEGORY			00005	COST		
CODE	PROJECT TITLE		SCOPE	<u>\$(000)</u>		
R&M U	Unfunded Requirement: \$9,020,000					

1. COMPONENT	1. COMPONENT FY 2018 GUARD AND RESERVE MILITARY CONSTRUCTION					2. D/	2. DATE	
ANG						May	May 2017	
3. INSTALLATION A	AND LOCATION							
MCGHEE TYSON A	IRPORT, KNOXVILL	E						
11. PERSONNEL S	TRENGTH AS OF 12	May 15						
		PERMA	NENT		GUA	RD/RESERVI	E	
	TOTAL	OFFICER	<u>ENLISTED</u>	<u>CIVILIAN</u>	TOTAL	OFFICER	ENLISTED	
AUTHORIZED	609	55	387	167	1,101	145	956	
ACTUAL	586	58	383	145	1,223	177	1,046	
12. RESERVE UNIT	DATA							
						STRENGT	4	
UNIT DES	IGNATION	quadron			AUTHORIZED		ACTUAL	
134 Aircrat	ft Maintenance Squad	Iron			67		66	
134 Air Re	fueling Wing				49		53	
134 Civil E 134 Comm	nunication Flight				99 35		45	
134 Comp	troller Flight				12		13	
134 Force 134 Logist	Support Squadron ics Readiness Squad	ron			58 100		63 113	
134 Medic	al Group				47		81	
134 Mainte 134 Missio	enance Operations Fl	ght			21 8		26 7	
134 Mainte	enance Group				14		12	
134 Mainte 134 Opera	enance Squadron				165 7		206	
134 Opera	tions Support Flight				46		50	
134 Securi	ity Forces Squadron				112		104	
151 Air Re	fueling Squadron				62		65	
228 Comb	at Communications S	quadron			0		0	
572 All FO	ice Ballu	TO	TALS		1,101		1,223	
13. MAJOR EQUIP	MENT AND AIRCRAF	T						
Vahiala Equivalanta	<u>TYPE</u>				AUTHORIZED		ACTUAL	
KC-135R Aircraft					10		10	
Support Equipment					323		262	
venicie					147		147	

1. COMPONENT	FY 2018 MILITARY CONSTRUCTION PROJECT DATA2. DATE						DATE		
		(comp	uter generate	d)			N	2017	
ANG 2 INSTALLATION				May 2017					
5. INSTALLATION A	AND .	LOCATION		4. PROJECT IIILE REPLACE KC-135 MAINTENANCE					
MCGHEE TYSON AI	IRPOI	RT, TENNESSEE		HANC	AR AND	SHOPS		III VOL	
5. PROGRAM ELEM	ENT	6. CATEGORY CODE	7. PROJEC	T NUN	IBER	8. PROJ	ECT	COST(\$000)	
52276F 211-111 PS				E9991	32		\$25	.000	
9 COST ESTIMAT				S		1		,	
		9.0001	LOTINITIE			UNI	Т	COST	
	ITEM			U/M	QUANTIT	Y COS	Т	(\$000)	
AIRCRAFT HANGA	R AN	ID SHOPS		SM	5,332			17,669	
MAINTENANCE	HAN	GAR AREA (211-111)		SM	2,601	3,0)14	(7,839)	
GENERAL PURPO	USE S	OHOP AKEA (211-152)		SM	1,802	3,0)14	(5,431)	
AVIONICS SHOP	ARE	$\Delta (217-712)$		SM	427 502	3,0	114	(1,207)	
CONSTRUCT AP	RON	ACCESS (113-321)		SM	6.689	5,0	239	(1,513)	
SUPPORTING FACI	LITIE	ES			.,			3,800	
UTILITIES				LS				(550)	
PAVEMENTS				LS				(600)	
DEMOLITION/AS	SBEST	FOS REMOVAL		SM	3,526	1	118	(416)	
COMMUNICATIO	JN SU	JPPORT E AND DUMD CADACITY	V					(200)	
FIRE WATER SEI	ON S	E AND PUMP CAPACIT	I	LS SM	5 3 3 3		161	(750)	
SITE IMPROVEM	IENTS	S S S S S S S S S S S S S S S S S S S		LS	5,555		101	(425)	
SUSTAINABILITY	AND	ENERGY MEASURES		LS				850	
SUBTOTAL								22,319	
CONTINGENCY (5%	%)							1,116	
TOTAL CONTRACT	Γ COS		(0)					23,435	
SUPERVISION, INS	PECI	ION AND OVERHEAD (6%)					$\frac{1,406}{24,841}$	
TOTAL REQUEST	ROID	NDFD)						24,841	
TOTAL ALQUEST (10001	(DLD)						25,000	
10. Description of	Propo	sed Construction: Cons	truct a main	tenan	ce hangar/	corrosior/	n cor	trol facility	
utilizing conventiona	al des	ign and construction me	thods to acc	commo	odate the r	nission o	f the	facility.	
Facilities will be des	signed	l as permanent construct	tion in accor	dance	with the l	DoD Unit	fied	Facilities	
Criteria (UFC) 1-200	0-01,	General Building Requi	rements and	I UFC	1-200-02	, High Pe	rfori	nance and	
Sustainable Building	g Req	uirements. The facility s	hould be co	mpati	ble with a	pplicable	DoI	D, Air Force,	
and base design stan	dards	. In addition, local mate	rials and co	nstruc	tion techn	iques sha	ll be	used where	
cost effective. This p	projec	t will comply with DoD	antiterroris	m/fore	e protecti	on requir	eme	nts per	
unified facilities crit	eria.	Buildings 110 and 111	will be demo	olisheo	d as part o	f this pro	ject.		
Air Conditioning: 63	50 K V	V.				D 2.047		-	
II. REQUIREMEN	NI: 4	,831 SM ADEQUAL	E: 0 SM S	SUBS	I ANDAK	D: 3,04/	SM	-	
PROJECT: Replace	e KC	-135 Maintenance Han	gar and Sho	ops (C	urrent Mis	ssion)			
<u>REQUIREMENT</u> :	t the t	training and energy	siled, sized a	and cc	VC 125	all'Clatt III	Enr	enance nangar	
include hanger have	and shops to support the training and operational mission of the 12 KC-135R aircraft. Functional areas								
CUDDENIT SITUATION: The honger and the shope are 1052 winters and cannot be uncreded to meet									
the mission The her	ating	distribution system has	exceeded its	econ	age and ea	the AFFF	svs	tem is in need	
of upgrades the fire	e dete	ction system is a patchw	ork of syste	ms an	d the elect	trical and	nlu	nbing	
systems are failing a	at an i	increasing rate. The fire	suppression	n svste	em does no	ot meet N	FPA	8	
requirements and ha	is bee	n assigned a Risk Asses	tment Code	2 in E	Building 1	11 Fuel C	Cell I	Hangar and	
Building 113 Phase	Dock	. There is no HVAC sys	stem, the bu	ilding	is not ene	rgy effici	ent,	and the	
communications sys	stem o	does not meet the missic	on requireme	ents.	The roof h	as leaked	and	continues to	
leak. There are num	erous	health and safety code	violations.	A stru	ctural ana	lysis indi	cates	s the steel	

	<u></u>									
1. COMPONENT	EV 2019 MILITADY CC	ΝΙΩΤΟΙΙΩΤΙΛΝΙ ΒΡΩΙΕΩΤ ΒΛ	Τ Δ	2. DATE						
ANG	FY 2018 WILLIAKT CO	UNSIKUCTION PROJECT DA	ПA	May 2017						
3 INSTALLATION	AND LOCATION			Wiay 2017						
<i>J.</i> monularita ,										
MCGHEE TYSON A	IRPORT, TENNESSEE									
5. PROJECT TITLE			7. PROJE	ECT NUMBER						
REPLACE KC-135 M	IAINTENANCE HANGAR AN	D SHOPS	PS	SXE999132						
structure is weak du	structure is weak due to missing or failing members. The hangar structural steel cannot support the									
weight of the safety	lines preventing the proper i	nstallation of fall protection.	. The asb	estos thermal						
system insulation o	n interior is degraded and req	uires replacement. The hang	gar doors'	operating system						
is antiquated and re	quires constant and excessive	e maintenance. The aircraft	support ar	eas have limited						
space and cannot pr	toperly be configured for error	cient processing of work to r	neet miss	ion requirements.						
The shops are poor	ly configured and cannot be r	earranged due to structural in	nterior ae	sign of the load						
bearing walls.	DOVIDED. Highly inofficia	ant anorations and avaassiva	maintana	noo oost Split						
<u>INITACT IF NOT 1</u>	<u>YEAN TOPED</u> . TIGHTY INCLUS	ent operations and tear on vehi	mannena alas and e	nce cost. Spin						
continue Fire hea	Ith and safety code violations	increase risk of personnel in	viury and	loss of equipment						
and degrade ability	to perform maintenance on a	ircraft critical to air refueling	g operatio	ing The 134th						
ARW will continue	to experience degrading one	rational canabilities thus seri	iously har	nnering mission						
effectiveness. High	er operating costs.		104517 1141	iipering mission						
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. Antiterrorisn	n/Force P	rotection						
requirements have	been considered in the develo	pment of this project. An ec	conomic a	nalysis is being						
prepared comparing	g the alternatives of new cons	truction, revitalization, leasi	ng and sta	itus quo						
operation. This fac	ility can be used by other con	nponents on an "as available	" basis; h	owever, the scope						
of the project is bas	ed on Air National Guard rec	juirements. Sustainable prin	ciples, to	include Life						
Cycle cost effective	e practices, will be integrated	into the design, developmen	t and con	struction of the						
project in accordance	ce with Executive Order 1342	23, 10 USC 2802(c) and othe	er applical	ble laws and						
Executive Orders.	The following buildings will	be demolished as a result of	f this proje	ect: 110 at 3,996						
SF, 111@33,954 SI	F; a total of 37,950 SF. New	maintenance hangar facility	number is	s Building 190						
and new RPUID is	1058902.									
CatCode		Requirement	Adequate	Substandard						
211-111 AIRCR	CAFT MAINTENANCE HAP	NGER 2,601 SM	0 SM	1,321 SM						
211-152 ARCK	FT GENERAL PURPOSE (C	3P) SH 1,802 SM	0 SM	1,651 SM						
211-159 AIKCK	CAFT CORROSION CONTR	OL 42/SM	0 SM	/5 SM						
	NTDOI ADEA (211-150)	177 SM - 1 600 SE								
MAINTENANCE	UANGAR AREA (211-137)	427 SW = 4,000 SF								
GENERAL PURP	NSF SHOP ARFA (211-117)	2,001 SM = 20,000 ST 1 802 SM = 19 400 SF								
AVIONICS SHOP	ARFA (217-712)	502 SM = 5400 SF								
DEMOLITION/AS	RESTOS REMOVAL	3526 SM = 37950 SF								
FIRE SUPPRESSI	ON SYSTEM SUPPORT	5,320 SM = 57,400 SF								
		0,000 0112 01,100								

1. COMPONENT FY 2018 MILITARY CONSTRUCTION PROJECT DATA				2. DATE						
(computer generated)										
	ANG			May 2017						
3. IN MCG	3. INSTALLATION AND LOCATION MCGHEE TYSON AIRPORT, TENNESSEE									
5. PR	OJECT TITLE		7. PROJE	ECT NUMBER						
REPL	ACE KC 135 M	AINTENANCE HANGAR AND SHOPS								
			P	SXE999132						
12.	SUPPLEMENT	AL DATA:								
a.	Estimated Desig	gn Data:								
	(1) Status:									
	(a) Date D	esign Started		OCT 2016						
	(b) Parame	tric Cost Estimates used to develop costs		No						
	(c) Percent	Complete as of Jan 2017		30%						
	* (d) Date 35	% Designed		MAR 2017						
	(e) Date D	Esign Complete		SEP 2017 Stondard						
	(1) Type of (a) Energy	Study/Life Cycle analysis was/will be newformed		Standard						
	(g) Energy	Study/Life-Cycle analysis was/will be performed		I ES						
	(2) Basis [.]									
	(a) Standar	d or Definitive Design -		No						
	(b) Where	Design Was Most Recently Used -		110						
	(0) (1)									
	(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)						
	(a) Product	tion of Plans and Specifications		1,680						
	(b) All Oth	er Design Costs		840						
	(c) Total	č		2,520						
	(d) Contrac	et		2,520						
	(e) In-Hou	se		,						
	(4) Contract Av	vard (Month/Year)		OCT 2017						
	(5) Construction	n Start		DEC 2017						
	(6) Constructio	n Completion		DEC 2018						
	* Indicates is comparal	completion of Project Definition with Parametric Cost Estimate ble to traditional 35% design to ensure valid scope and cost and	which executabi	lity.						
b. I	Equipment assoc	iated with this project will be provided from other appropriation	15:	N/A						
P O										
PO	IN F OF CONTA	C1: NGB/A4AD (240) (12 7042								
		(240) 612-7042								

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DEPARTMENT OF THE AIR FORCE JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 2018

APPROPRIATION:MILITARY CONSTRUCTION -- AIR NATIONAL GUARDPROGRAM 313:PLANNING AND DESIGN\$18,000,000

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.

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1. COMPONENT	FY 2018 MILITARY CONSTRUCTION PROJECT DATA 2. DATE						DATE	
ANG		(comp	uter genera	tea)			Ma	v 2017
3. INSTALLATION A	AND	LOCATION		4. I	PROJECT	TITLE		<u> </u>
VARIOUS LOCATIO	NS			PLAN	NING ANI	D DESIGN	N	
5. PROGRAM ELEMI	ENT	6. CATEGORY CODE	7. PROJE	CT NUN	ABER	8. PROJ	ECT	COST(\$000)
52276F 961-000 PA				YZ1800	05	\$18	3,000	
		9. COST	ESTIMAT	ΈS	1			I
		ITEM		U/M	OUANTIT	UNI Y COS	T T	COST (\$000)
PLANNING AND DI SUBTOTAL TOTAL CONTRACT TOTAL REQUEST	ESIGI COS	V (P-313)		LS				18,000 18,000 18,000 18,000
 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>: Planning and design funds are required for projects being consider for future year MILCON program. The FY 2018 design funds are needed to complete the design for those projects that are to be included in the FY 2018 MILCON program and to begin the design for those projects to be included in the FY 2019 program, to include the design of the FY 2018 unspecified minor construction projects. <u>CURRENT SITUATION</u>: The ANG requires the design money in FY 2018 to ensure the design milestones for the FY 2018 and FY 2019 MILCON projects, as mandated by Department of Defense (DOD) Instruction 1225.8, are met. <u>IMPACT IF NOT PROVIDED</u>: The ANG will not be able to effectively administer it's future year MILCON program. 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 dearade the operational mission and training by the delays in 								
DEPARTMENT OF THE AIR FORCE JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 2018

APPROPRIATION: MILITARY CONSTRUCTION -- AIR NATIONAL GUARD

PROGRAM 341: UNSPECIFIED MINOR CONSTRUCTION \$17,191,000

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 2018 MILITARY CO	DNSTRUCT	TION PF	ROJECT D	ATA	2.	DATE
ANG		(comp	uter general	(ed)			Ma	ıy 2017
3. INSTALLATION A	AND I	LOCATION		4. I	PROJECT	TITLE	1	<u> </u>
VARIOUS LOCATIO	NS			UNSP	ECIFIED N	MINOR C	ONS'	TRUCTION
5. PROGRAM ELEME	ENT	6. CATEGORY CODE	7. PROJE	CT NUN	ABER	8. PROJ	ECT	COST(\$000)
52276F		962-000	PA	YZ1800	06		\$17	,191
		9. COST	ESTIMAT	ES	T			
		ITFM		U/M	OUANTIT	Y COS	T T	COST (\$000)
UNSPECIFIED MINO SUBTOTAL TOTAL CONTRACT TOTAL REQUEST 10. Description of P projects not otherwis Projects include cons Secretary of the Air I 10 U S Code 1823	ropos e aut force a an	sed Construction: Provi horized by law and havi ion, alteration, or conve has the authority to app d 10 U S Code 2805	des fundin ng a funde rsion of pe prove proje	g for ur ects of the	aspecified between \$ it or tempo his nature	minor co 1,000,000 prary faci under the	nstru) anc lities e pro	17,191 17,191 17,191 17,191 17,191 17,191 17,191 17,191 17,191 17,191 17,191 17,191 17,191
11. REQUIREMEN <u>PROJECT</u> : Unspecie <u>REQUIREMENT</u> : T \$1,000,000, but not e based on historical tr shortfalls or new mis <u>CURRENT SITUAT</u> growth the Air Natio drive new constructions shortfalls cause degravaluable mission equi- <u>IMPACT IF NOT PF</u> Functional space sho	IT: A fied N This p excee rends ssion TON nal C on rec adatio ipme <u>ROVI</u> rtfall	As Required Minor Construction Prog orogram provides the me ding \$3,000,000. The ro and known requirement beddowns. : Because of new weapo Guard has a number of in quirements in the \$1,000 on of mission accomplis ent. <u>IDED</u> : Unable to adequ s will continue. More e	gram eans of acc equested for ts. These p ons system istances wi 0,000 to \$3 hment, cos ately supp xpensive v	omplish unds are projects as, equip here fur 5,000,00 stly wor ort miss vorkaro	ning proje e not a per generally oment, mis nctional sp 00 range. k-arounds sion conve unds will	cts costin cent of the address ssion, and pace short These fur s, and acc ersions an have to b	g ov le bu func 1 per falls nctio elera d be e use	er .dget, but are tional space sonnel exist. Many nal space ated failure of ddowns. ed.

DEPARTMENT OF THE AIR FORCE AIR NATIONAL GUARD MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2018

SECTION III

FUTURE YEARS DEFENSE PLAN (FYDP)

FISCAL YEAR LISTING

Component	Ę	APPN	Project Number	Installation	State	Project Title	Program Element Code	Facility Category Code	Budget Amount (\$000)	Change from FY17PB	Explanation of Changes	Footprint
Guard	2019	3830	DJCF149001	Channel Islands ANG Station	CA	Construct C-130J Flight Simulator Facility	54332F	171-212	8,000		New mission	New
Guard	2019	3830	LDXF129044	Hulman Regional Airport	Z	Construct Small Arms Range	52276F	171-475	8,000		New - modular range	
Guard	2019	3830	RQLH059034	Naval Air Station Joint Reserve Base	ΓV	NORTHCOM - Replace Alert Complex	51216F	141-183	27,000			New
Guard	2019	3830	LR XQ159097	Jackson International Airport	MS	Construct Small Arms Range	52276F	179-475	8,000		New - modular range	New
Guard	2019	3830	WKVB109058	Francis S. Gabreski Airport	٨٧	Security Forces/Communication Training Facility	52276F	730-835	20,000		State #1 MLCON for FY18	
Guard	2019	3830	NLZG062104	Rickenbacker International Airport (ANG)	но	Construct Small Arms Range	52276F	179-475	8,000		State # 5 MILCON for FY18	
Guard	2019	3830	XHZG179037	Tulsa International Airport	ЮК	Construct Small Arms Range	52276F	179-475	000'8		New - modular range	New
Guard	2019	3830	LKLW099101	Fort Indiantown Gap ANG Station	PA	Replace Operations Training/Dining Hall	52276F	171-445	000'8	400	State #1 FY18 MILCON priority	New
Guard	2019	3830	PAYZ190006	Unspecified	٨٢	Unspecified Minor Construction	52276F	962-000	16,44		Projects \$1,000K to \$3,000K	
Guard	2019	3830	PAYZ190005	Unspecified	۲	Planning and Design	52276F	961-000	14,000		Planning and design for 2020 and 2021	
Guard	2019	3830	AAA189001	VARIOUS LOCATIONS	NS	Space Control Facility	53116F	141-454	8,000			New
						TOTAL MAJOR CONSTRUCTION			133,440			
Component	F	APPN	Project Number	Installation	State	Project Trite	Program Element Code	Facility Category Code	Budget Amount ((\$000)	Change from FY17PB	Explanation of Changes	Footprint
Guard	2020	3830	CRWU139039	Buckley Air Force Base	со	Construct Corrosion Control/Fuel Cell Hangar	52276F	211-159	12,000		State MILCON #1 for FY18	New
Guard	2020	3830	XDQU109057	Savamah/Hiton Head IAP	GA	Consolidate MX Hangar/Shops Joint Air Dominance	52276F	211-111	20,000		TAG #1 MILCON for FY18	New
Guard	2020	3830	JLQN049119	General Wayne A. Downing Peoria IAP (ANG)	IL	Construct New Fire Crash/Rescue Station	52276F	130-142	000'6		State #1 FY18 MILCON priority	Existing

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Component	Ę	APPN	Project Number	Installation	State	Project Title	Program Element Code	Facility Category Code	Budget Amount Ci (\$000)	hange from FY17PB	Explanation of Changes	Footprint
Guard	2020	3830	AXQD049060	Barnes Municipal Airport	MA	Replace Engine, ASE and NDI Shops	52276F	211-157	10,000		State FY18 #1 MILCON.	
Guard	2020	3830	GRCL169016	Eastern Air Defense Sector (EADS) ANG	'n	NORTHCOM-Mission Training Complex	51311F	141-489	5,000			
Guard	2020	3830	PBXP929798	Mansfield Lahm Airport	НО	Replace Fire Station	52276F	130-142	12,000		State #3 MILCON for FY18	Vew
Guard	2020	3830	PAYZ200006	Unspecified	٨٢	Unspecified Minor Construction	52276F	962-000	15,000		Projects \$1,000K to \$3,000K	
Guard	2020	3830	PAYZ200005	Unspecified	٨٢	Planning and Design	52276F	961-000	10,980		Planning and design for 2021 and 2022	
Guard	2020	3830	AAA209002	VARIOUS LOCATIONS	SV	F-35 Ops 5 Flight Sim	52635F	171-212	25,000		Vew Mission for F-35	Vew
Guard	2020	3830	XGFG179036	Dane County Regional-Truax Field	IM	Construct Small Arms Range	52276F	179-475	8,000		State FV18#1 MILCON	Vew
						TOTAL MAJOR CONSTRUCTION			126,980			
Component	FY	APPN	Project Number	Installation	State	Project Title	Program Element Code	Facility Category Code	Budget Amount Cl (\$000)	hange from FY17PB	Explanation of Changes	Footprint
Guard	2021	3830	BRKR009063	Birmingham International Airport	AL	Security and Services Training Facility	52276F	730-835	7,500		State #1 FY18 MILCON priority	Vew
Guard	2021	3830	FAKZ049053	Montgomery Regional Airport (ANG) Base	AL	Add/Alter Fire Crash/Rescue Station	52276F	130-142	5,000			
Guard	2021	3830	WEAS029245	Louisville Intl Airport-Standiford Fid	Ŕ	Add To And Alter Fire Crash/Rescue Station	52276F	130-142	000'6			Vew
Guard	2021	3830	MBMV099170	W. K. Kelogg Airport	W	Force Protection - Upgrade Main Base Entrance	52276F	730-839	7,000		State #2 FY18 MILCON priority	Vew
Guard	2021	3830	TDVG029067	Alpena County Regional Airport	W	Replace Aircraft Maintenance Hangar/Shops	52276F	211-111	20,000		State #1 FY18 MILCON priority	Vew
Guard	2021	3830	LR XQ1 09002	Jackson International Airport	WS	Fire Crash and Rescue Station	52276F	130-142	000'6		State #1 FY18 MILCON priority	
Guard	2021	3830	AQRC169009	Atlantic City International Airport	ſŊ	Construct Main Gate Complex	52276F	730-837	6,000		New. State #1 MILCON for FY18	Vew

Component	È	APPN	Project Number	Installation	State	Project Title	Program Element Code	Facility Category Code	Budget Amount (\$000)	Change from FY17PB	Explanation of Changes	Footprint
Guard	2021	3830	EUBC009109	Camp Perry ANG Station	ЮН	RED HORSE Logistics Complex	52276F	442-758	7,500		State #4 MILCON for FY18	New
Guard	2021	3830	PAYZ210006	Unspecified	٧L	Unspecified Minor Construction	52276F	962-000	17,181		Projects \$1,000K to \$3,000K	
Guard	2021	3830	PAYZ210005	Unspecified	٨٢	Planning and Design	52276F	961-000	14,000		Planning and design for 2022 and 2023	
Guard	2021	3830	XGFG139001	Dane County Regional-Truax Field	MI	ADAL Bldg 500 for Medical Training	52276F	171-450	7,000		State #1 FY18 MILCON priority	New
						TOTAL MAJOR CONSTRUCTION			109,181			
Component	F	APPN	Project Number	Installation	State	Project Title	Program Element Code	Facility Category Code	Budget Amount (\$000)	Change from FY17PB	Explanation of Changes	Footprint
Guard	2022	3830	XHEA109012	Tucson International airport	AZ	Construct Base Entry Complex	52276F	730-839	6,000		State #1 FV18 MILCON priority	New
Guard	2022	3830	JLWS019054	New Castle County Airport	DE	Replace Fuel Cell/Corrosion Control Hangar	52276F	211-179	11,100		State #1 FY18 MILCON priority	Existing
Guard	2022	3830	SAKW109201	Northwest Field-Anderson AFB	GU	RED HORSE Operational Facility	52276F	171-445	7,400	800		New
Guard	2022	3830	AXQD109095	Barnes Municipal Airport	MA	Relocate Main Gate	52276F	730-839	8,000			
Guard	2022	3830	JKSE169101	Great Falls International Airport	МТ	Construct Aircraft Apron	52276F	113-321	000'6		State #1 MILCON priority for FY18	New
Guard	2022	3830	KKGA169022	Hector International Airport	ND	Consolidated RPA/ISR Operations Facility	52276F	141-753	8,800		State #1 MILCON for FY18	New
Guard	2022	3830	AQRC099002	Atlantic City International Airport	ſN	ADAL Maintenance Hangar/Shops	52276F	211-111	13,400		State #3 FV18 MILCON priority	New
Guard	2022	3830	TWLR159090	Quonset State Airport	RI	Operations Training and Combat Comm Facility	52276F	171-445	23,000		State #2 MILCON for FY18	Existing
Guard	2022	3830	PAYZ220006	Unspecified	٧L	Unspecified Minor Construction	52276F	962-000	12,673		Projects \$1,000K to \$3,000K	
Guard	2022	3830	PAYZ220005	Unspecified	۲	Planning and Design	52276F	961-000	8,759		Planning and design for 2023 and 2024	

Component	F	APPN	Project Number	Installation	State	Project Title	Program Elem ent Code	Facility Category Code	Budget Amount (\$000)	Change from FY17PB	Explanation of Changes	Footprint
Guard	2022	3830	DPEZ019000	Cheyenne Regional Airport	٨٧	Replace Vehicle Maintenance Complex	52276F	214-425	8,000		State #1 MILCON for FY18	New
						TOTAL MAJOR CONSTRUCTION			116,132			

DEPARTMENT OF THE AIR FORCE AIR NATIONAL GUARD MILITARY CONSTRUCTION PROGRAM FOR FISCAL YEAR 2018

SECTION III

FUTURE YEARS DEFENSE PLAN (FYDP)

STATE/INSTALLATION LISTING

Component	FY	APPN	Project Number	Installation	State	Project Title	Program Element Code	Facility Category Code	Budget Amount (\$000)	Changes from FY FY17PB	Explanation of Changes	Footprint
Guard	2021	3830	BRKR009063	Birmingham International Airport	AL .	Security and Services Training Facility	52276F	730-835	7,500		State #1 FY18 MILCON priority	New
Guard	2021	3830	FAKZ049053	Montgomery Regional Airport (ANG) Base	, AL	Add/Alter Fire Crash/Rescue Station	52276F	130-142	5,000			New
Guard	2022	3830	XHEA109012	Tucson International airport	AZ	Construct Base Entry Complex	52276F	730-839	6,000		State #1 FY18 MILCON priority	New
Guard	2019	3830	DJCF149001	Channel Islands ANG Station	CA	Construct C-130J Flight Simulator Facility	54332F	171-212	8,000		New mission	New
Guard	2020	3830	CRWU139039	Buckley Air Force Base	CO	Construct Corrosion Control/Fuel Cell Hangar	52276F	211-159	12,000		State MILCON #1 for FV18	New
Guard	2022	3830	JLWS019054	New Castle County Airport	DE	Replace Fuel Cell/Corrosion Control Hangar	52276F	211-179	11,100		State #1 FY18 MILCON priority	Existing
Guard	2020	3830	XDQU109057	Savannah/Hilton Head IAP	GA	Consolidate MX Hangar/Shops Joint Air Dominance	52276F	211-111	20,000		TAG #1 MILCON for FY18	New
Guard	2022	3830	SAKW109201	Northwest Field-Anderson AFB	GU	RED HORSE Operational Facility	52276F	171-445	7,400	800		New
Guard	2020	3830	JLQN049119	General Wayne A. Downing Peoria IAP (ANG)	, L	Construct New Fire Crash/Rescue Station	52276F	130-142	000'6		State #1 FY18 MILCON priority	Existing

Footprint		New	New			New	New	New		
Explanation of Changes	New - modular range			State FY18 #1 MILCON		State #2 FY18 MILCON priority	State #1 FY18 MILCON priority	New - modular range	State #1 FY18 MILCON priority	
Changes from FY FY17PB										
Budget Amount (\$000)	8,000	6,000	27,000	10,000	8,000	7,000	20,000	8,000	000'6	
Facility Category Code	171-475	130-142	141-183	211-157	730-839	730-839	211-111	179-475	130-142	
Program Element Code	52276F	52276F	51216F	52276F	52276F	52276F	52276F	52276F	52276F	
Project Title	Construct Small Arms Range	Add To And Alter Fire Crash/Rescue Station	NORTHCOM - Replace Alert Complex	Replace Engine, ASE and NDI Shops	Relocate Main Gate	Force Protection - Upgrade Main Base Entrance	Replace Aircraft Maintenance Hangar/Shops	Construct Small Arms Range	Fire Crash and Rescue Station	
State	Z	КҮ	LA	ΨW	ΨW	IW	IW	SM	SW	
Installation	Hulman Regional Airport	Louisville Intl Airport-Standiford Fld	Naval Air Station Joint Reserve Base	Barnes Municipal Airport	Barnes Municipal Airport	W. K. Kellogg Airport	Alpena County Regional Airport	Jackson International Airport	Jackson International Airport	
Project Number	LDXF129044	WEAS029245	RQLH059034	AXQD049060	AXQD109095	MBMV099170	TDVG029067	LRXQ159097	LRXQ109002	
APPN	3830	3830	3830	3830	3830	3830	3830	3830	3830	
FY	2019	 2021	2019	2020	2022	 2021	2021	 2019	2021	
Component	Guard	Guard	Guard	Guard	Guard	Guard	Guard	Guard	Guard	

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Footprint	ew	ew	ew	ew				ew	ew	ew	
Explanation of Changes	State #1 MILCON Pri for FY18	State #1 MILCON for FY18	New. State #1 MILCON for FY18	State #3 FY18 MILCON priority N	State #1 MILCON for FY18		State # 5 MILCON for FY18	State #3 MILCON for FY 18	State #4 MILCON for FY18	New - modular range	
Changes from FY FY17PB											
Budget Amount (\$000)	9,000	8,800	6,000	13,400	20,000	5,000	8,000	12,000	7,500	8,000	
Facility Category Code	113-321	141-753	730-837	211-111	730-835	141-489	179-475	130-142	442-758	179-475	
Program Element Code	52276F	52276F	52276F	52276F	52276F	51311F	52276F	52276F	52276F	52276F	
Project Title	Construct Aircraft Apron	Consolidated RPA/ISR Operations Facility	Construct Main Gate Complex	ADAL Maintenance Hangar/Shops	Security Forces/Communication Training Facility	NORTHCOM-Mission Training Complex	Construct Small Arms Range	Replace Fire Station	RED HORSE Logistics Complex	Construct Small Arms Range	
State	ΤM	DN	ſŊ	R	λN	'n	НО	Н	НО	ОК	
Installation	Great Falls International Airport	Hector International Airport	Atlantic City International Airport	Atlantic City International Airport	Francis S. Gabreski Airport	Eastern Air Defense Sector (EADS) ANG	Rickenbacker International Airport (ANG)	Mansfield Lahm Airport	Camp Perry ANG Station	Tulsa International Airport	
Project Number	JKSE169101	KKGA169022	AQRC169009	AQRC099002	WKVB109058	GRCL169016	NLZG062104	PBXP929798	EUBC009109	XHZG179037	
APPN	3830	 3830	 3830	3830	3830	3830	 3830	3830	3830	 3830	
Ę	2022	 2022	 2021	2022	2019	2020	 2019	2020	2021	2019	
Component	Guard	Guard	Guard	Guard	Guard	ANG	Guard	Guard	Guard	Guard	

Footprint	Wé	disting									Wé	Mé	
Explanation of Changes	State #1 FY18 MILCON priority No.	State #2 MILCON for FY18	Projects \$1,000K to \$3,000K	Planning and design for 2020 and 2021	Projects \$1,000K to \$3,000K	Planning and design for 2021 and 2022	Projects \$1,000K to \$3,000K	Planning and design for 2022 and 2023	Projects \$1,000K to \$3,000K	Planning and design for 2023 and 2024	N	New Mission for F-35	
Changes from FY FY17PB	400												
Budget Amount (\$000)	8,000	23,000	16,440	14,000	15,000	10,980	17,181	14,000	12,673	8,759	8,000	25,000	
Facility Category Code	171-445	171-445	962-000	961-000	962-000	961-000	962-000	961-000	962-000	961-000	141-454	171-212	
Program Element Code	52276F	52276F	52276F	52276F	52276F	52276F	52276F	52276F	52276F	52276F	53116F	52635F	
Project Title	Replace Operations Training/Dining Hall	Operations Training and Combat Comm Facility	Unspecified Minor Construction	Planning and Design	Space Control Facility	F-36 Ops 5 Flight Sim							
State	PA	RI	۸۲	٨٢	٨٢	٨٢	٨٢	٨٢	٨٢	٨٢	NS	٨S	
Installation	Fort Indiantown Gap ANG Station	Quonset State Airport	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified	VARIOUS LOCATIONS	VARIOUS LOCATIONS	
Project Number	LKLW099101	TWLR159090	PAYZ190006	PAYZ190005	PAYZ200006	PAYZ200005	PAYZ210006	PAYZ210005	PAYZ220006	PAYZ220005	AAAA189001	AAAA209002	
APPN	3830	3830	3830	3830	3830	3830	3830	3830	3830	3830	3830	3830	
Ł	2019	2022	2019	2019	2020	2020	2021	2021	2022	2022	2019	2020	
Component	Guard	Guard	Guard	Guard	Guard	Guard	Guard	Guard	Guard	Guard	Guard	Guard	

Footprint	New	New	New						
Explanation of Changes	State FY18 #1 MILCON	State #1 FY18 MILCON priority	State #1 MILCON for FY18						
Changes from FY FY17PB									
Budget Amount (\$000)	8,000	7,000	8,000						
Facility Category Code	179-475	171-450	214-425						
Program Element Code	52276F	52276F	52276F						
Project Title	Construct Small Arms Range	ADAL Bidg 500 for Medical Training	Replace Vehicle Maintenance Complex						
State	ĪM	IM	٨M						
Installation	Dane County Regional-Truax Field	Dane County Regional-Truax Field	Cheyenne Regional Airport						
Project Number	XGFG179036	XGFG139001	DPEZ019000						
APPN	3830	3830	3830						
F	2020	2021	2022						
Component	Guard	Guard	Guard						

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