



Department of the Air Force

**Military Construction Program
KC-46A Main Operating Base - 4 Annex**

**Fiscal Year (FY) 2018
Budget Estimates**

**Justification Data Submitted to Congress
June 2017**

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**DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2018
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**DEPARTMENT OF THE AIR FORCE
MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2018
KC-46A MAIN OPERATING BASE - 4 ANNEX
INDEX - INSIDE THE US
(DOLLARS IN THOUSANDS)**

STATE	INSTALLATION	PROJECT	AUTHORIZATION REQUEST	APPROPRIATION REQUEST
CALIFORNIA	Travis	KC-46A Alter B811 Corrosion Control Hangar	7,700	7,700
		KC-46A ADAL B14 Fuel Cell Hangar	1,400	1,400
		KC-46A Alter B181/B185/B187 Squad Ops / AMU	6,400	6,400
		KC-46A Aircraft 3-Bay Maintenance Hangar	107,000	107,000
		Travis TOTAL:	122,500	122,500
	CALIFORNIA TOTAL:	122,500	122,500	
NEW JERSEY	JB McGuire-Dix- Lakehurst	KC-46A ADAL B2319 For Boom Operator Trainer	6,100	6,100
		KC-46A Alter Apron & Fuel Hydrants	17,000	17,000
		KC-46A ADAL B2324 Regional MX Training Fac	18,000	18,000
		KC-46A ADAL B3209 For Fuselage Trainer	3,300	3,300
		KC-46A Alter Facilities for Maintenance	5,800	5,800
		KC-46A Add To B1837 For Body Tanks Storage	2,300	2,300
		KC-46A Alter Bldgs For Ops and TFI AMU-AMXS	9,000	9,000
		KC-46A ADAL B1816 For Supply	6,900	6,900
		KC-46A ADAL B1749 For ATGL & LST Servicing	2,000	2,000
		KC-46A Aerospace Ground Equipment Storage	4,100	4,100
		KC-46A Two-Bat General Purpose MX Hangar	72,000	72,000
			JBMDL TOTAL:	146,500
	NEW JERSEY TOTAL:	146,500	146,500	
	INSIDE THE US TOTAL:	269,000	269,000	

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1. COMPONENT AIR FORCE		FY 2018 MILITARY CONSTRUCTION PROGRAM				2. DATE (YYYYMMDD) 20160930					
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE CALIFORNIA			4. COMMAND AIR MOBILITY COMMAND			5. AREA CONSTRUCTION COST INDEX 1.31					
6. PERSONNEL		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED		TOTAL	
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF	30-Sep-16	1300	5866	2247	0	0	0	661	2629	1564	14,267
b. END FY	2022	1300	5866	2247	0	0	0	661	2629	1564	14,267
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE		6,383									
b. INVENTORY TOTAL AS OF		30-Sep-16									
										3,060,808	
c. AUTHORIZATION NOT YET IN INVENTORY											
										185,950	
d. AUTHORIZATION REQUESTED IN THIS PROGRAM (FY 2018)											
										122,500	
e. PLANNED IN NEXT FOUR PROGRAM YEARS (FY 2019-2022)											
										41,850	
f. REMAINING DEFICIENCY											
										60,000	
g. GRAND TOTAL											3,471,108
8. PROJECTS REQUESTED IN THIS PROGRAM (FY 2018)											
a. CATEGORY				b. COST (\$000)			c. DESIGN STATUS				
(1) CODE	(2) PROJECT TITLE			(3) SCOPE					(1) START	(2) COMPLETE	
141-753	KC-46A Alter B181/B185/B187 Squad Ops / AMU			11,437 SM			6,400		05/17	04/18	
211-111	KC-46A Aircraft 3-Bay Maintenance Hangar			16,193 SM			107,000		05/17	04/18	
211-159	KC-46A Alter B811, Corrosion Control Hangar			7,170 SM			7,700		05/17	04/18	
211-179	KC-46A ADAL B14, Fuel Cell Hangar			1,197 SM			1,400		05/17	04/18	
							TOTAL		122,500		
9. FUTURE PROJECTS IN NEXT FOUR PROGRAM YEARS (FY2019 - FY2022)											
121-122	KC-46A ADAL Parking Apron/Hydrant Fuel System			2,098 SM			5,300				
141-543	KC-46A Alter B4 Mission Planning Center			744 SM			2,500				
171-212	KC-46A ADAL B179, Simulator Facility			2,583 SM			5,400				
171-625	KC-46A ADAL B862 Fueselage Trainer			506 SM			1,200				
171-618	KC-46A Regional Maintenance Training Facility			2,914 SM			25,000				
218-712	KC-46A AGE Covered Storage			1,858 SM			2,450				
							FUTURE PROJECTS TOTAL		41,850		
R&M UNFUNDED REQUIREMENT (\$M)							TOTAL		21.6		
10. MISSION OR MAJOR FUNCTIONS											
Travis Air Force Base hosts the 15th Air Force HQ; an air mobility wing with two C-5 squadrons and two KC-10 air refueling squadrons; an AFRC Associate air mobility wing; and the David Grant Medical Center.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES (FY 2018-2022)											
a. Air Pollution											
b. Water Pollution											
c. Occupational Safety and Health											
d. Other Environmental											
							OUTSTANDING DEFICIENCIES TOTAL		0		

1. COMPONENT AIR FORCE		FY 2018 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA			4. PROJECT TITLE: KC-46A ALTER B811 CORROSION CONTROL HANGAR		
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 211-159	7. PROJECT NUMBER XDAT1023677	8. PROJECT COST (\$000) 7,700		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITIES</u>					6,458
ALTER CORROSION CONTROL HANGAR		SM	7,170	883	(6,331)
SUSTAINABILITY AND ENERGY MEASURES		LS			(127)
<u>SUPPORTING FACILITIES</u>					450
SITE IMPROVEMENTS		LS			(250)
ENVIRONMENTAL MONITORING		LS			(200)
SUBTOTAL					6,908
CONTINGENCY (5%)					(345)
TOTAL CONTRACT COST					7,253
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					(413)
TOTAL REQUEST					7,667
TOTAL REQUEST (ROUNDED)					7,700
10. DESCRIPTION OF PROPOSED CONSTRUCTION:					
Alter building 811 to enable corrosion control operations of the KC-46A. Work includes demolition and replacement of the existing failed structural concrete, replacement of the existing epoxy floor coating, replacement of the hangar lighting systems and replacement of the fire detection and protection system. The project includes site improvements and all other work necessary to make a complete and usable facility. Facilities will be designed as permanent construction in accordance with DoD Unified Facilities Criteria (UFC) 1-200-01, General Building Requirements, and UFC 1-200-02, High Performance and Sustainable Building Requirements. This project will comply with DoD antiterrorism/force protection requirements per UFC 4-010-01. Air Conditioning: 0 Tons					
11. REQUIREMENT: 7,170 SM		ADEQUATE: 0		SUBSTANDARD: 7,170 SM	
PROJECT: KC-46A Alter B811 Corrosion Control Hangar (New Mission)					
REQUIREMENT: The Air Force designated Travis AFB as the preferred alternative for the fourth KC-46A Main Operating Base (MOB 4). An adequately sized and configured corrosion control hangar is required for aircraft inspection, corrosion treating, corrosion repair, and aircraft wash operations. These maintenance actions are necessary to prevent aircraft damage and maintain protective coating/corrosion control systems for the KC-46A. In addition, a properly installed fire suppression/protection system is required to protect critical assets located in the facility. The facility must be able to support the assigned aircraft and provide proper fire protection systems to ensure safety/protection of personnel, equipment and aircraft.					
CURRENT SITUATION: The current structural concrete supporting aircraft in corrosion control hangar has failed and is in need of full replacement. It is the only available corrosion control facility available at Travis AFB. The concrete slabs have shattered with several significant full depth cracks affecting the structural capacity of the support system. In addition, the existing epoxy coating protecting the concrete slabs and providing proper friction coefficient for aircraft towing operations is severely degraded and separating from the concrete surface causing a source for additional Foreign Object Debris within the hangar area.					

1. COMPONENT AIR FORCE	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE KC-46A ALTER B811 CORROSION CONTROL HANGAR	5. PROJECT NUMBER XDAT1023677	
<p>In addition, the antiquated fire detection/protection system is need of replacement to bring it up to current codes and industry standards.</p> <p>IMPACT IF NOT PROVIDED: An adequate corrosion facility will not be available to support aircraft corrosion control requirements and negatively impact aircraft sortie production rates due to inadequate maintenance. Further the facility, aircraft and maintenance personnel will continue to operate at risk due to the antiquated fire protection system. Aircraft will continue to operate on structurally failed hangar flooring causing continued FOD issues and safety concerns to aircraft maintenance operations.</p> <p>ADDITIONAL: This project meets the applicable criteria/scope specified in Air Force Manual 32-1084, "Facility Requirements" and the KC-46A Facility Requirements Plan. A preliminary analysis of reasonable alternatives evaluating status quo, renovation and new construction was accomplished. This analysis indicated renovation is the most cost effective alternative which meets mission requirements. A formal economic analysis is being prepared. 60th Air Mobility Wing Base Civil Engineer: (707) 424-2492. Repair Corrosion Control Hangar: 7,170 SM = 77,177 SF.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>		

1. COMPONENT AIR FORCE	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE KC-46A ALTER B811 CORROSION CONTROL HANGAR	5. PROJECT NUMBER XDAT1023677	
12. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started 1-MAY-17 (b) Parametric Cost Estimates used to develop costs YES * (c) Percent Complete as of 01 JAN 2017 0% * (d) Date 35% Designed 1-OCT-17 (e) Date Design Complete 1-APR-18 (f) Energy Study/Life-Cycle analysis was/will be performed YES (2) Basis: (a) Standard or Definitive Design – NO (b) Where Design Was Most Recently Used – (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) (a) Production of Plans and Specifications \$462 (b) All Other Design Costs \$231 (c) Total \$693 (d) Contract \$558 (e) In-house \$115 (4) Construction Contract Award 18 AUG (5) Construction Start 18 SEP (6) Construction Completion 20 MAR * Indicates completion of Project Definition with Parameter Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability. b. Equipment associated with this project provided from other appropriations: N/A		

1. COMPONENT AIR FORCE		FY 2018 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA			4. PROJECT TITLE: KC-46A ADAL B14 FUEL CELL HANGAR		
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 211-179	7. PROJECT NUMBER XDAT1026960	8. PROJECT COST (\$000) 1,400		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITIES</u>					1,117
ADD TO B14		SM	172	3,384	(582)
ALTER B14		SM	1,025	500	(513)
SUSTAINABILITY AND ENERGY MEASURES		LS			(22)
<u>SUPPORTING FACILITIES</u>					147
UTILITIES		LS			(15)
PRIVATIZED UTILITY CONNECTION		LS			(14)
SITE IMPROVEMENTS		LS			(58)
ENVIRONMENTAL MONITORING		LS			(60)
SUBTOTAL					1,263
CONTINGENCY (5%)					(63)
TOTAL CONTRACT COST					1,327
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					(76)
TOTAL REQUEST					1,402
TOTAL REQUEST (ROUNDED)					1,400
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					7
10. DESCRIPTION OF PROPOSED CONSTRUCTION:					
<p>Add 172 SM and alter 1,025 SM of an existing fuel cell maintenance hangar to accommodate KC-46A body fuel tank maintenance and storage at Travis AFB. Construction includes a reinforced foundation, concrete floor slab, structural steel frame with split face concrete masonry unit facade and a standing seam metal roof. Project includes all associated utilities, site work, hoist and other support necessary to make a complete and usable project. The facility must also be able to withstand seismic effects as prescribed in applicable codes and design guides. Facilities will be designed as permanent construction in accordance with DoD Unified Facilities Criteria (UFC) 1-200-01, General Building Requirements, and UFC 1-200-02, High Performance and Sustainable Building Requirements. This project will comply with DoD antiterrorism/force protection requirements per UFC 4-010-01. Air Conditioning: 20 Tons</p>					
11. REQUIREMENT: 5,309 SM ADEQUATE: 4,112 SM SUBSTANDARD: 1,025 SM					
<u>PROJECT:</u> ADAL B14 Fuel Cell Hangar (New Mission)					
<u>REQUIREMENT:</u> The Air Force designated Travis AFB as the preferred alternative for the fourth KC-46A Main Operating Base (MOB 4). Adequate space for fuel tank body maintenance and storage is required to properly maintain and store fuel tanks used by the KC-46A. This space requires an overhead hoist rated for a minimum of 2.5 tons and must be configured as an open fuel tank maintenance facility capable of storing up to 4 body tanks on transportation carts. A large rollup door is required on the east side to facilitate the movement of the body tanks. The fuel tanks storage area is a new requirement due to a change in technology from a fuel bladder system to removable fuel tanks. The tanks storage area is to allow for expedited repairs of the fuel system and minimize aircraft down time due to fuel system maintenance.					

1. COMPONENT AIR FORCE	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE KC-46A ADAL B14 FUEL CELL HANGAR	5. PROJECT NUMBER XDAT1026960	
<p><u>CURRENT SITUATION:</u> The existing fuel cell hangar does not have adequate space to properly store and maintain fuel tanks required to support the KC-46A.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Without this project maintenance personnel will not be able to provide the required maintenance and storage of essential fuel systems for the new KC-46A aircraft. Ready fuel tanks will have to be stored outside and exposed to the elements and adding additional time to maintain the tanks, severely affecting the ability to generate mission ready aircraft. In addition, exposure to the elements will decrease the useable life of the fuel tanks due to additional corrosion and degradation of the tanks. The potential for significant degradation of mission performance and capabilities will be very high.</p> <p><u>ADDITIONAL:</u> This project meets the applicable criteria/scope specified in Air Force Manual 32-1084, "Facility Requirements" and the KC-46A Facility Requirements Plan. A preliminary analysis of reasonable alternatives evaluating status quo, ADAL and new construction was accomplished. This analysis indicated ADAL is the most cost effective alternative which meets mission requirements. A formal economic analysis is being prepared. 60th Air Mobility Wing Base Civil Engineer: (707) 424-2492. Add to B14: 172 SM = 1,851 SF; Alter B14: 1,025 SM = 11,033 SF.</p> <p><u>JOINT USE CERTIFICATION:</u> This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>		

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<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>1-MAY-17</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>YES</td> </tr> <tr> <td>* (c) Percent Complete as of 01 JAN 2017</td> <td>0%</td> </tr> <tr> <td>* (d) Date 35% Designed</td> <td>1-OCT-17</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>1-APR-18</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td>YES</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design –</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used –</td> <td></td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>\$84</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>\$42</td> </tr> <tr> <td>(c) Total</td> <td>\$126</td> </tr> <tr> <td>(d) Contract</td> <td>\$105</td> </tr> <tr> <td>(e) In-house</td> <td>\$21</td> </tr> </table> <p>(4) Construction Contract Award 18 AUG</p> <p>(5) Construction Start 18 SEP</p> <p>(6) Construction Completion 19 SEP</p> <p>* Indicates completion of Project Definition with Parameter Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.</p> <p>b. Equipment associated with this project provided from other appropriations:</p> <table border="0"> <thead> <tr> <th>EQUIPMENT NOMENCLATURE</th> <th>PROCURING APPROPRIATION</th> <th>FISCAL YEAR APPROPRIATED OR REQUESTED</th> <th>COST (\$000)</th> </tr> </thead> <tbody> <tr> <td>COMMUNICATIONS EQUIPMENT</td> <td>3400</td> <td>2019</td> <td>1</td> </tr> <tr> <td>FURNITURE, FIXTURES, & EQUIPMENT</td> <td>3400</td> <td>2019</td> <td>6</td> </tr> </tbody> </table>			(a) Date Design Started	1-MAY-17	(b) Parametric Cost Estimates used to develop costs	YES	* (c) Percent Complete as of 01 JAN 2017	0%	* (d) Date 35% Designed	1-OCT-17	(e) Date Design Complete	1-APR-18	(f) Energy Study/Life-Cycle analysis was/will be performed	YES	(a) Standard or Definitive Design –	NO	(b) Where Design Was Most Recently Used –		(a) Production of Plans and Specifications	\$84	(b) All Other Design Costs	\$42	(c) Total	\$126	(d) Contract	\$105	(e) In-house	\$21	EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)	COMMUNICATIONS EQUIPMENT	3400	2019	1	FURNITURE, FIXTURES, & EQUIPMENT	3400	2019	6
(a) Date Design Started	1-MAY-17																																							
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1. COMPONENT AIR FORCE		FY 2018 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA			4. PROJECT TITLE: KC-46A ALTER B181/B185/B187 SQUAD OPS/AMU		
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 141-753	7. PROJECT NUMBER XDAT1026962	8. PROJECT COST (\$000) 6,400		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITIES</u>					5,419
ALTER BUILDING 181 (141-753)		SM	3,927	417	(1,638)
ALTER BUILDING 185 (211-154)		SM	3,584	653	(2,340)
ALTER BUILDING 187 (141-753)		SM	3,926	340	(1,335)
SUSTAINABILITY AND ENERGY MEASURES		LS			(106)
<u>SUPPORTING FACILITIES</u>					333
SITE IMPROVEMENTS		LS			(83)
COMMUNICATIONS		LS			(57)
ENVIRONMENTAL MONITORING		LS			(193)
SUBTOTAL					5,752
CONTINGENCY (5%)					(288)
TOTAL CONTRACT COST					6,040
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					(344)
TOTAL REQUEST					6,384
TOTAL REQUEST (ROUNDED)					6,400
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					48
10. DESCRIPTION OF PROPOSED CONSTRUCTION:					
<p>Alter buildings 181, 185 and 187 to provide adequate space for squadron operations and aircraft maintenance unit functions in support of the KC-46A beddown at Travis AFB. Alteration work includes reconfiguring interior walls, HVAC systems, interior electrical systems, interior lighting, communications infrastructure, interior plumbing systems and all other supporting work necessary to make complete and useable facilities. 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. This project will comply with DoD Antiterrorism/force protection requirements per UFC 4-010-01. Air Conditioning: 100 Tons</p>					
11. REQUIREMENT: 11,437 SM		ADEQUATE: 0 SM		SUBSTANDARD: 11,437 SM	
PROJECT: KC-46A Alter B181/B185/B187 Squad Ops/AMU (New Mission)					
REQUIREMENT: The Air Force has designated Travis AFB as the preferred alternative for the fourth KC-46A main operating base (MOB 4). Adequate space for squadron operations and aircraft maintenance unit administrative functions is required to support KC-46A beddown at Travis AFB. Space is necessary to support both active duty and Air Force Reserve Component (ARC) personnel as KC-46A aircraft will be operated under the Total Force Integration (TFI) concept.					
CURRENT SITUATION: Adequate space is not available to support KC-46A squadron operations and aircraft maintenance unit administrative functions under the TFI concept at Travis AFB.					
IMPACT IF NOT PROVIDED: Lack of proper facilities for KC-46A command and control functions will degrade the ability of assigned personnel to generate KC-46A sorties in support of critical Air Force missions.					

1. COMPONENT AIR FORCE	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE KC-46A ALTER B181/B185/B187 SQUAD OPS/AMU	5. PROJECT NUMBER XDAT1026962	
<p>Additionally, efficiencies generated by TFI operations will not be fully realized as active duty and ARC personnel will be forced to operate from geographically separated facilities.</p> <p><u>ADDITIONAL:</u> This project meets the applicable criteria/scope specified in Air Force Manual 32-1084, "Facility Requirements" and the KC-46A Facility Requirements Plan. A preliminary analysis of reasonable alternatives evaluating status quo, alteration and new construction was accomplished. This analysis indicated alteration is the most cost effective alternative which meets mission requirements. A formal economic analysis is being prepared. 60th Air Mobility Wing Base Civil Engineer: (707) 424-2492. Alter Building 181: 3,927 SM = 42,270 SF; Alter Building 185: 3,584 SM = 38,578 SF; Alter Building 187: 3,925 SM = 42,248 SF.</p> <p><u>JOINT USE CERTIFICATION:</u> This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>		

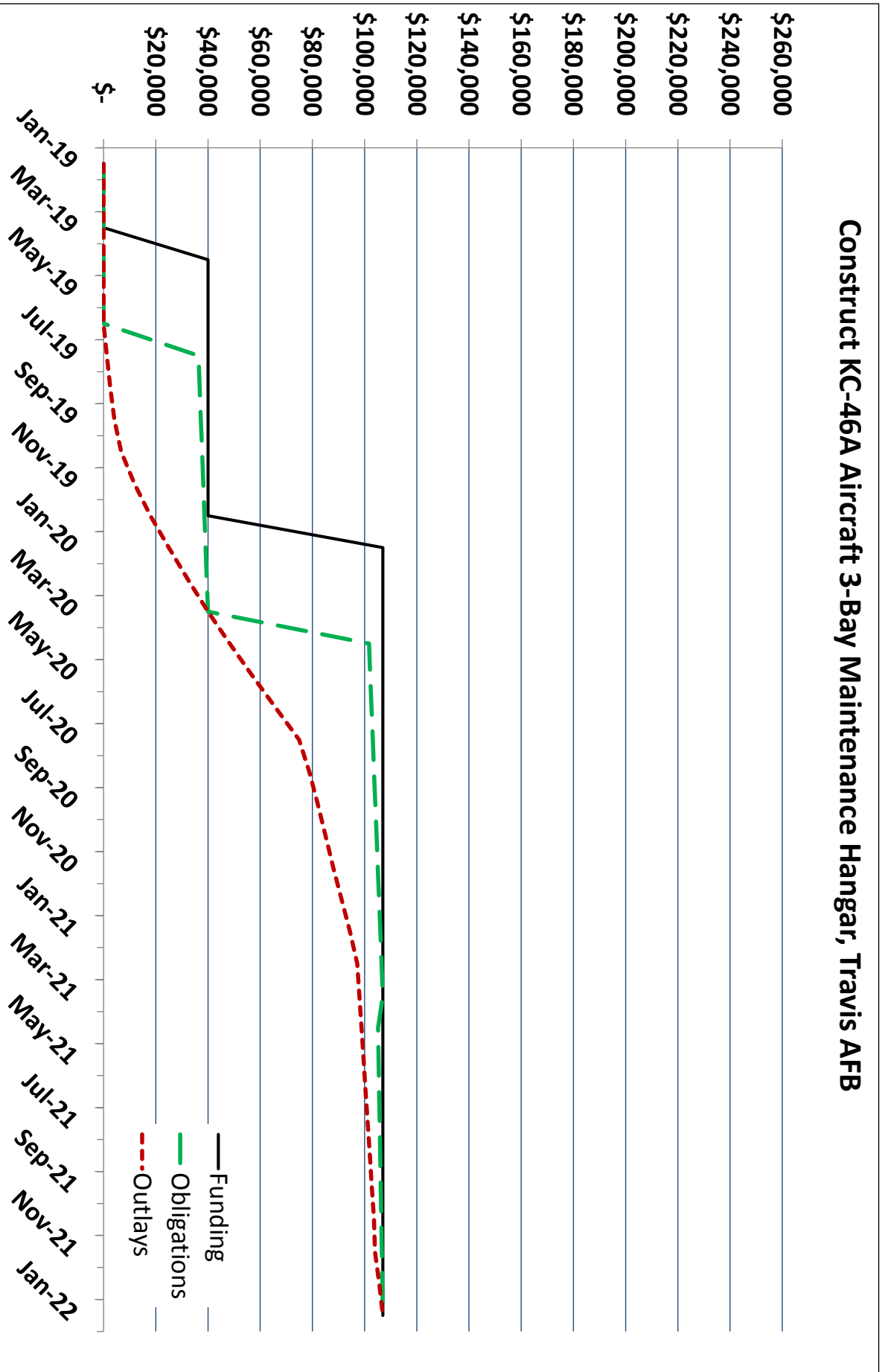
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<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>1-MAY-17</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>YES</td> </tr> <tr> <td>* (c) Percent Complete as of 01 JAN 2017</td> <td>0%</td> </tr> <tr> <td>* (d) Date 35% Designed</td> <td>1-OCT-17</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>1-APR-18</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td>YES</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design –</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used –</td> <td></td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>\$384</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>\$192</td> </tr> <tr> <td>(c) Total</td> <td>\$576</td> </tr> <tr> <td>(d) Contract</td> <td>\$480</td> </tr> <tr> <td>(e) In-house</td> <td>\$96</td> </tr> </table> <p>(4) Construction Contract Award 18 AUG</p> <p>(5) Construction Start 18 SEP</p> <p>(6) Construction Completion 19 SEP</p> <p>* Indicates completion of Project Definition with Parameter Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.</p> <p>b. Equipment associated with this project provided from other appropriations:</p> <table border="0"> <thead> <tr> <th>EQUIPMENT NOMENCLATURE</th> <th>PROCURING APPROPRIATION</th> <th>FISCAL YEAR APPROPRIATED OR REQUESTED</th> <th>COST (\$000)</th> </tr> </thead> <tbody> <tr> <td>COMMUNICATIONS EQUIPMENT</td> <td>3400</td> <td>2019</td> <td>18</td> </tr> <tr> <td>FURNITURE, FIXTURES, & EQUIPMENT</td> <td>3400</td> <td>2019</td> <td>30</td> </tr> </tbody> </table>			(a) Date Design Started	1-MAY-17	(b) Parametric Cost Estimates used to develop costs	YES	* (c) Percent Complete as of 01 JAN 2017	0%	* (d) Date 35% Designed	1-OCT-17	(e) Date Design Complete	1-APR-18	(f) Energy Study/Life-Cycle analysis was/will be performed	YES	(a) Standard or Definitive Design –	NO	(b) Where Design Was Most Recently Used –		(a) Production of Plans and Specifications	\$384	(b) All Other Design Costs	\$192	(c) Total	\$576	(d) Contract	\$480	(e) In-house	\$96	EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)	COMMUNICATIONS EQUIPMENT	3400	2019	18	FURNITURE, FIXTURES, & EQUIPMENT	3400	2019	30
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FURNITURE, FIXTURES, & EQUIPMENT	3400	2019	30																																					

1. COMPONENT AIR FORCE		FY 2018 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA			4. PROJECT TITLE: KC-46A AIRCRAFT 3-BAY MAINTENANCE HANGAR		
5. PROGRAM ELEMENT 41221		6. CATEGORY CODE 211-111	7. PROJECT NUMBER XDAT1051930		8. PROJECT COST (\$000) 107,000
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
<u>PRIMARY FACILITIES</u>					80,024
MAINTENANCE HANGAR		SM	16,193	4,845	(78,455)
SUSTAINABILITY AND ENERGY MEASURES		LS			(1,569)
<u>SUPPORTING FACILITIES</u>					16,417
UTILITIES		LS			(800)
PRIVATIZED UTILITY CONNECTION FEE		LS			(100)
SITE IMPROVEMENTS		LS			(3,539)
PAVEMENTS		LS			(3,471)
COMMUNICATIONS		LS			(2,761)
DEMOLITION		SM	9,246	615	(5,686)
ENVIRONMENTAL MONITORING		LS			(60)
SUBTOTAL					96,442
CONTINGENCY (5%)					(4,822)
TOTAL CONTRACT COST					101,264
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					(5,772)
TOTAL REQUEST					107,036
TOTAL REQUEST (ROUNDED)					107,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					330
10. DESCRIPTION OF PROPOSED CONSTRUCTION:					
<p>Construct a 3-Bay maintenance hangar sized for KC-46A aircraft at Travis AFB. Construction will include reinforced concrete foundation, concrete floor slab, structural steel frame with split face concrete masonry unit façade and a standing seam metal roof. The project also includes all utilities, site improvements, pavements, communications infrastructure, environmental remediation, a fall protection system, fire detection, high expansion foam system in the hangar bay area and all other supporting work necessary to make a complete and useable facility. The project includes demolition of five facilities (9,246 SM). The facility must be able to withstand seismic effects applicable to the geographic location of Travis AFB as prescribed in applicable codes and design guides. Facilities will be designed as permanent construction in accordance with DoD Unified Facilities Criteria (UFC) 1-200-01, General Building Requirements, and UFC 1-200-02, High Performance and Sustainable Building Requirements. This project will comply with DoD antiterrorism/force protection requirements per UFC 4-010-01. Air Conditioning: 150 Tons</p>					
11. REQUIREMENT: 16,193 SM		ADEQUATE: 0		SUBSTANDARD: 9,246 SM	
PROJECT: KC-46A Aircraft 3-Bay Maintenance Hangar (New Mission)					
REQUIREMENT: The Air Force designated Travis AFB as the preferred alternative for the fourth KC-46A Main Operating Base (MOB 4). This facility is required to sustain aircraft generation for 24 permanently assigned refueling aircraft. This facility should be adequately sized and configured to house three fully enclosed maintenance bays for general aircraft maintenance, consolidated composite tool kit (CTK) shop, battery shop, electronics shop and hydraulic maintenance shop. These spaces are necessary to accomplish aircraft inspections,					

1. COMPONENT AIR FORCE	FY 2018 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA		
4. PROJECT TITLE KC-46A AIRCRAFT 3-BAY MAINTENANCE HANGAR	5. PROJECT NUMBER XDAT1051930	
<p>repair, maintenance & replacement of aircraft components including aircraft landing gear, electronic components and structural repairs.</p> <p><u>CURRENT SITUATION:</u> The KC-46A is a new aircraft replacing the current fleet of aging refueling aircraft in the Air Force inventory. Current facilities cannot fully enclose this new weapon system due to lack of new required environmental controls and the larger size of the new aircraft. Other hangar facilities are in full use by other permanently assigned aircraft.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Adequate facilities will not be available to perform essential daily maintenance, repairs, and sortie generation for the KC-46A aircraft. Required maintenance activities will be performed outdoors exposing sensitive aircraft components to corrosion and damage from the elements. This situation would negatively impact critical air-refueling operations will degrade aircraft mission readiness.</p> <p><u>ADDITIONAL:</u> This project meets the applicable criteria/scope specified in Air Force Manual 32-1084, "Facility Requirements" and the KC-46A Facility Requirements Plan. A preliminary analysis of reasonable alternatives evaluating status quo, renovation and new construction was accomplished. This analysis indicated new construction is the most cost effective alternative which meets mission requirements. A formal economic analysis is being prepared. 60th Air Mobility Wing Base Civil Engineer: (707) 424-2492. KC-46A 3-Bay General Purpose Maintenance Hangar: 16,193 SM = 174,300 SF.</p> <p><u>JOINT USE CERTIFICATION:</u> This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>		

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FURNITURE, FIXTURES, & EQUIPMENT	3400	2020	300																																					

Construct KC-46A Aircraft 3-Bay Maintenance Hangar, Travis AFB



1. COMPONENT AIR FORCE		FY 2018 MILITARY CONSTRUCTION PROGRAM					2. DATE (YYYYMMDD) 20160930				
3. INSTALLATION AND LOCATION JOINT BASE MCGUIRE DIX LAKEHURST NEW JERSEY				4. COMMAND AIR MOBILITY COMMAND			5. AREA CONSTRUCTION COST INDEX 1.21				
6. PERSONNEL		(1) PERMANENT			(2) STUDENTS			(3) SUPPORTED		TOTAL	
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED		
a. AS OF	30-Sep-16	526	3614	727	450	2909	0	660	3157	296	12,339
b. END FY	2022	508	3497	726	439	2819	0	21	4400	190	12,600
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE		3,660									
b. INVENTORY TOTAL AS OF		30-Sep-16									
										2,746,953	
c. AUTHORIZATION NOT YET IN INVENTORY										161,100	
d. AUTHORIZATION REQUESTED IN THIS PROGRAM (FY 2018)										146,500	
e. PLANNED IN NEXT FOUR PROGRAM YEARS (FY 2019-2022)										0	
f. REMAINING DEFICIENCY										54,500	
g. GRAND TOTAL										3,109,053	
8. PROJECTS REQUESTED IN THIS PROGRAM (FY 2018)											
a. CATEGORY						b. COST (\$000)		c. DESIGN STATUS			
(1) CODE	(2) PROJECT TITLE				(3) SCOPE			(1) START	(2) COMPLETE		
113-321	KC-46A Alter Apron & Fuel Hydrants				21,789 SM		17,000	05/17	04/18		
141-753	KC-46A Alter Bldgs For Ops and TFI AMU-AMXS				11,740 SM		9,000	05/17	04/18		
141-785	KC-46A ADAL B1749 For ATGL & LST Servicing				458 SM		2,000	05/17	04/18		
145-921	KC-46A Aerospace Ground Equipment Storage				1,858 SM		4,100	05/17	04/18		
171-292	KC-46A ADAL B2319 For Boom Operator Training				945 SM		6,100	05/17	04/18		
171-618	KC-46A ADAL B2324 Regional MX Training Fac				2,386 SM		18,000	05/17	04/18		
171-625	KC-46A Alter B3209 For Fuselage Trainer				784 SM		3,300	05/17	04/18		
211-111	KC-46A Two-Bay General Purpose MX Hangar				8,402 SM		72,000	05/17	04/18		
211-152	KC-46A Alter Facilities for Maintenance				4,794 SM		5,800	05/17	04/18		
211-179	KC-46A Add to B1837 For Body Tanks Storage				201 SM		2,300	05/17	04/18		
218-712	KC-46A ADAL B1816 For Supply				4,085 SM		6,900	05/17	04/18		
TOTAL							146,500				
9. FUTURE PROJECTS IN NEXT FOUR PROGRAM YEARS (FY2019 - FY2022)											
FUTURE PROJECTS TOTAL							0				
R&M UNFUNDED REQUIREMENT (\$M)							TOTAL	14.6			
10. MISSION OR MAJOR FUNCTIONS											
Team McGuire consists of the Air Mobility Warfare Center, 21st Expeditionary Mobility Task Force, 305th Air Mobility Wing, 514th Air Mobility Wing (Air Force Reserve Command), 108th Air Refueling Wing (New Jersey Air National Guard).											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES (FY 2018-2022)											
a. Air Pollution											
b. Water Pollution											
c. Occupational Safety and Health											
d. Other Environmental											
OUTSTANDING DEFICIENCIES TOTAL							0				

1. COMPONENT AIR FORCE	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION, SITE AND LOCATION JB MCGUIRE-DIX-LAKEHURST MCGUIRE AFB NEW JERSEY			4. PROJECT TITLE KC-46A ADAL B2319 FOR BOOM OPERATOR TRAINER		
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 171-212	7. RPSUID/PROJECT NUMBER 2795/PTFL163001	8. PROJECT COST (\$000) 6,100		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT	COST (\$000)
PRIMARY FACILITIES					4,365
ADD TO BLDG 2319		SM	285	9,950	(2,836)
ALTER BLDG 2319 FOR 1 BOT		SM	195	5,900	(1,151)
ALTER BLDG 2319 FOR 2 WST		SM	465	630	(293)
SUSTAINABILITY AND ENERGY MEASURES		LS			(86)
SUPPORTING FACILITIES					1,089
UTILITIES		LS			(338)
SITE IMPROVEMENTS		LS			(32)
PAVEMENTS		LS			(599)
COMMUNICATIONS		LS			(120)
SUBTOTAL					5,454
CONTINGENCY (5.0%)					273
TOTAL CONTRACT COST					5,726
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					326
TOTAL REQUEST					6,053
TOTAL REQUEST (ROUNDED)					6,100
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(30,056.0)
<p>10. Description of Proposed Construction: Alter building 2319 and construct an addition to house one Boom Operator Trainer (BOT) and two Weapon System Trainers (WST) in support of the KC-46A beddown at Joint Base McGuire-Dix-Lakehurst (JBMDL). Construction will include reinforced concrete foundations and floor slab, brick veneer with cast concrete accent exterior wall and a standing seam metal roof to match the existing facility. Alteration work will include necessary reconfiguration of building 2319 to enable installation of BOT and WST equipment. The project includes relocation of a parking lot and ancillary pavements, relocation of a fuel line, utilities, site improvements, necessary communications infrastructure, roll up doors, cranes, a mezzanine and all other supporting work necessary to make a complete and useable 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. This project will comply with DoD antiterrorism/force protection requirements per UFC 4-101-01.</p> <p>Air Conditioning: 50 Tons</p>					
<p>11. Requirement: 3082 SM Adequate: 2137 SM Substandard: 660 SM</p> <p>PROJECT: KC-46A ADAL B2319 for Boom Operator Trainer (New Mission)</p> <p>REQUIREMENT: The Air Force has designated JBMDL as the preferred alternative for the fourth KC-46A Main Operating Base (MOB 4). Adequate space for KC-46A BOT and WST equipment is necessary to support proficiency training for KC-46A flight crews.</p>					

1. COMPONENT AIR FORCE	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION, SITE AND LOCATION JB MCGUIRE-DIX-LAKEHURST MCGUIRE AFB NEW JERSEY			4. PROJECT TITLE KC-46A ADAL B2319 FOR BOOM OPERATOR TRAINER	
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 171-212	7. RPSUID/PROJECT NUMBER 2795/PTFL163001	8. PROJECT COST (\$000) 6,100	
<p>BOT and WST equipment provides realistic, virtual training for the multi-role KC-46A aircraft at a fraction of the cost of conducting training in mission aircraft and is necessary to support KC-46A crew mission readiness. In addition to space for BOT and WST equipment, administrative, classroom, trainer maintenance and storage space is also necessary.</p> <p>CURRENT SITUATION: Building 2319 is an existing flight simulator facility for another weapons system however this facility does not have available space for new training equipment unique to the KC-46A.</p> <p>IMPACT IF NOT PROVIDED: If this project is not provided, aircrew will have to travel to other locations for mandatory training at an increased cost to the government or utilize mission aircraft to accomplish necessary training. Utilizing mission aircraft to accomplish training would increase training costs due to increased fuel consumption, increase risk of damaging mission aircraft during training events and would reduce the availability of aircraft for operational missions.</p> <p>ADDITIONAL: This project meets the applicable criteria/scope specified in Air Force Manual 32-1084 "Facility Requirements" and the KC-46A Facility Requirements Plan. A preliminary analysis of reasonable alternatives evaluating status quo, ADAL and new construction was accomplished. This analysis indicated an ADAL project is the most cost effective alternative which meets mission requirements. A formal economic analysis is being prepared. 87th Air Base Wing Base Civil Engineer: 609-754-3722. Addition to Bldg 2319: 285 SM = 3065 SF; Alter Bldg 2319 for 1 Boom Op Trainer: 195 SM = 2100 SF; Alter Bldg 2319 for 2 Weapon System Trainers: 465 SM = 5000 SF.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>				

1. COMPONENT AIR FORCE	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION JB MCGUIRE-DIX-LAKEHURST MCGUIRE AFB NEW JERSEY		4. PROJECT TITLE KC-46A ADAL B2319 FOR BOOM OPERATOR TRAINER	
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 171-212	7. PROJECT NUMBER 2795/PTFL163001	8. PROJECT COST (\$000) 6,100
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			01-MAY-17
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2017			0%
* (d) Date 35% Designed			01-OCT-17
(e) Date Design Complete			01-APR-18
(f) Energy Study/Life-Cycle analysis was/will be performed			YES
(2) Basis:			
(a) Standard or Definitive Design -			YES
(b) Where Design Was Most Recently Used -			McConnell
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a) Production of Plans and Specifications			366
(b) All Other Design Costs			183
(c) Total			549
(d) Contract			458
(e) In-house			92
(4) Construction Contract Award			18 AUG
(5) Construction Start			18 SEP
(6) Construction Completion			20 MAR
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
KC-46A FLIGHT TRAINING DEVICES	3010	2018	30,000
COMMUNICATIONS EQUIPMENT	3400	2019	11
FURNITURE FIXTURES EQUIPMENT	3400	2019	45

1. COMPONENT AIR FORCE	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION, SITE AND LOCATION JB MCGUIRE-DIX-LAKEHURST MCGUIRE AFB NEW JERSEY			4. PROJECT TITLE KC-46A ALTER APRON & FUEL HYDRANTS		
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 113-321	7. RPSUID/PROJECT NUMBER 2795/PTFL163003	8. PROJECT COST (\$000) 17,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT	COST (\$000)
PRIMARY FACILITIES					15,431
FUEL SYSTEM RELOCATE HYDRANTS (121-122)		OL	15	201,333	(3,020)
ALTER APRON (113-321)		SM	21,774	570	(12,411)
SUPPORTING FACILITIES					100
APRON STRIPING		LS			(100)
SUBTOTAL					15,531
CONTINGENCY (5.0%)					777
TOTAL CONTRACT COST					16,308
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					930
TOTAL REQUEST					17,237
TOTAL REQUEST (ROUNDED)					17,000
10. Description of Proposed Construction: Alter existing aircraft parking apron pavements and fuel hydrants as required to support the beddown of KC-46A aircraft at Joint Base McGuire-Dix-Lakehurst (JBMDL). Construction will include the reconfiguration of aircraft fuel hydrant pits as well as associated fuel infrastructure and apron pavement to support KC-46A aircraft. The project includes pavement striping, installation of nose gear mooring points and all other supporting work necessary to make a complete and useable 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. This project will comply with DoD antiterrorism/force protection requirements per UFC 4-101-01.					
Air Conditioning: 0 Tons					
11. Requirement: 15 OL Adequate: 0 OL Substandard: 15 OL					
PROJECT: KC-46A, Alter Aircraft Apron and Fuel Hydrants (New Mission)					
REQUIREMENT: The Air Force has designated JBMDL as the preferred alternative for the fourth KC-46A Main Operating Base (MOB 4). Hydrant fuel systems are required for the direct fueling of aircraft at specific fueling points on the aircraft apron. The new mission beddown of the KC-46A multi-role tanker demands a reconfiguration of the hydrants on the apron to support KC-46A aircraft parking.					
CURRENT SITUATION: The existing aircraft fuel hydrant system is not properly configured to support KC-46A aircraft.					
IMPACT IF NOT PROVIDED: The successful beddown and full operational capability of the KC-46A aircraft cannot occur until completion of the apron and hydrant project alterations. The use of mutiple tanker trucks to fill KC-46A aircraft will extend refueling time and associated manpower. Additionally, the use of tanker trucks will increase the operational risk associated with maneuvering motored vehicles around aircraft.					

1. COMPONENT AIR FORCE	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION, SITE AND LOCATION JB MCGUIRE-DIX-LAKEHURST MCGUIRE AFB NEW JERSEY			4. PROJECT TITLE KC-46A ALTER APRON & FUEL HYDRANTS	
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 113-321	7. RPSUID/PROJECT NUMBER 2795/PTFL163003	8. PROJECT COST (\$000) 17,000	
<p>ADDITIONAL: This project meets the applicable criteria/scope specified in Air Force Manual 32-1084 "Facility Requirements" and the KC-46A Facility Requirements Plan. A preliminary analysis of reasonable alternatives comparing status quo, alteration of existing pavements/fuel hydrants and new construction was accomplished. This analysis indicated alteration of existing pavements/fuel hydrants is the most cost effective alternative which meets mission requirements. A formal economic analysis is being prepared. 87th Air Base Wing Base Civil Engineer: 609-754-3722. Alter Apron: 21,774 SM = 234,378 SF.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>				

1. COMPONENT AIR FORCE	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION JB MCGUIRE-DIX-LAKEHURST MCGUIRE AFB NEW JERSEY		4. PROJECT TITLE KC-46A ALTER APRON & FUEL HYDRANTS	
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 113-321	7. PROJECT NUMBER 2795/PTFL163003	8. PROJECT COST (\$000) 17,000
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			01-MAY-17
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2017			0%
* (d) Date 35% Designed			01-OCT-17
(e) Date Design Complete			01-APR-18
(f) Energy Study/Life-Cycle analysis was/will be performed			YES
(2) Basis:			
(a) Standard or Definitive Design -			NO
(b) Where Design Was Most Recently Used -			
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a) Production of Plans and Specifications			1,440
(b) All Other Design Costs			720
(c) Total			2,160
(d) Contract			1,800
(e) In-house			360
(4) Construction Contract Award			18 AUG
(5) Construction Start			18 SEP
(6) Construction Completion			20 MAR
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations: N/A			

1. COMPONENT AIR FORCE	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION, SITE AND LOCATION JB MCGUIRE-DIX-LAKEHURST MCGUIRE AFB NEW JERSEY			4. PROJECT TITLE KC-46A ADAL B2324 REGIONAL MX TRAINING FAC		
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 171-618	7. RPSUID/PROJECT NUMBER 2795/PTFL163005	8. PROJECT COST (\$000) 18,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT	COST (\$000)
PRIMARY FACILITIES					12,704
ADD TO B2324		SM	1,932	6,000	(11,592)
ALTER B2324		SM	454	1,900	(863)
SUSTAINABILITY AND ENERGY MEASURES		LS			(249)
SUPPORTING FACILITIES					3,408
UTILITIES		LS			(726)
SITE IMPROVEMENTS		LS			(526)
PAVEMENTS		LS			(1,731)
COMMUNICATIONS		LS			(425)
SUBTOTAL					16,112
CONTINGENCY (5.0%)					806
TOTAL CONTRACT COST					16,917
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					964
TOTAL REQUEST					17,882
TOTAL REQUEST (ROUNDED)					18,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(141,660.0)
10. Description of Proposed Construction: ADAL building 2324 to provide a Regional Maintenance Training Facility in support of the KC-46A beddown at Joint Base McGuire-Dix-Lakehurst (JBMDL). Construction includes steel reinforced spread footings, concrete floor slab, structural steel frame with brick veneer and cast concrete accent exterior and a standing seam metal roof. The project includes utilities, site improvements, pavements, communications infrastructure and all other supporting work necessary to make a complete and useable 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. This project will comply with DoD Antiterrorism/force protection requirements per UFC 4-010-01. Air Conditioning: 50 Tons					
11. Requirement: 5227 SM Adequate: 2841 SM Substandard: 454 SM PROJECT: KC-46A ADAL B2324 Regional Maintenance Training Facility (New Mission) REQUIREMENT: The Air Force designated JBMDL as the preferred alternative for the fourth KC-46A Main Operating Base (MOB 4). This facility is required to house large scale mock-ups, classrooms and training devices (hardware and computer based) to provide specialized hands-on training to enhance learning, facilitate the development of skills and permit the practice of proper procedures applicable to KC-46A aircraft systems. CURRENT SITUATION: The KC-46A is a new aircraft and there are no facilities at JBMDL large enough to house required KC-46A training equipment. The existing					

1. COMPONENT AIR FORCE	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION, SITE AND LOCATION JB MCGUIRE-DIX-LAKEHURST MCGUIRE AFB NEW JERSEY			4. PROJECT TITLE KC-46A ADAL B2324 REGIONAL MX TRAINING FAC	
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 171-618	7. RPSUID/PROJECT NUMBER 2795/PTFL163005	8. PROJECT COST (\$000) 18,000	
<p>maintenance training facility, bldg 2324 is configured for other airframes and is too small to receive additional training devices in support of the KC-46A.</p> <p>IMPACT IF NOT PROVIDED: Without this facility AMC will not be able to provide the required maintenance training to properly support the new KC-46A aircraft. The lack of properly trained personnel will decrease mission capability and ability to generate KC-46A sorties in support of mission requirements. The absence of this facility will require the use of mission aircraft for maintenance training, which would otherwise be assigned to operational sorties. This places active KC-46A assets at risk of damage due to training accidents and greatly increase training costs associated with fuel usage.</p> <p>ADDITIONAL: This project meets the applicable criteria/scope specified in Air Force Manual 32-1084 "Facility Requirements" and the KC-46A Facility Requirements Plan. A preliminary analysis of reasonable alternatives evaluating status quo, ADAL and new construction was accomplished. This analysis indicated ADAL is the most cost effective alternative which meets mission requirements. A formal economic analysis is being developed. 87th Air Base Wing Base Civil Engineer: 609-754-3722. Add to B2324: 1,932 SM = 20,779 SF; Alter B2324: 454 SM = 4,884 SF.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>				

1. COMPONENT AIR FORCE	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION JB MCGUIRE-DIX-LAKEHURST MCGUIRE AFB NEW JERSEY		4. PROJECT TITLE KC-46A ADAL B2324 REGIONAL MX TRAINING FAC	
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 171-618	7. PROJECT NUMBER 2795/PTFL163005	8. PROJECT COST (\$000) 18,000
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			01-MAY-17
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2017			0%
* (d) Date 35% Designed			01-OCT-17
(e) Date Design Complete			01-APR-18
(f) Energy Study/Life-Cycle analysis was/will be performed			YES
(2) Basis:			
(a) Standard or Definitive Design -			NO
(b) Where Design Was Most Recently Used -			
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a) Production of Plans and Specifications			1,080
(b) All Other Design Costs			540
(c) Total			1,620
(d) Contract			1,350
(e) In-house			270
(4) Construction Contract Award			18 AUG
(5) Construction Start			18 SEP
(6) Construction Completion			20 MAR
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
KC-46A MX TRAINING DEVICES	3010	2019	54,000
KC-46A MX TRAINING DEVICES	3010	2019	87,000
COMMUNICATIONS EQUIPMENT	3400	2019	60
FURNITURE FIXTURES EQUIPMENT	3400	2019	600

1. COMPONENT AIR FORCE	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION, SITE AND LOCATION JB MCGUIRE-DIX-LAKEHURST MCGUIRE AFB NEW JERSEY			4. PROJECT TITLE KC-46A ADAL B3209 FOR FUSELAGE TRAINER		
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 171-625	7. RPSUID/PROJECT NUMBER 2795/PTFL163006	8. PROJECT COST (\$000) 3,300		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT	COST (\$000)
PRIMARY FACILITIES					2,737
ALTER BLDG 3209 (171-625)		SM	514	4,800	(2,467)
COVERED STORAGE (442-628)		SM	270	800	(216)
SUSTAINABILITY AND ENERGY MEASURES		LS			(54)
SUPPORTING FACILITIES					215
UTILITIES		LS			(100)
COMMUNICATIONS		LS			(115)
SUBTOTAL					2,952
CONTINGENCY (5.0%)					148
TOTAL CONTRACT COST					3,099
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					177
TOTAL REQUEST					3,276
TOTAL REQUEST (ROUNDED)					3,300
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(7,061.0)
10. Description of Proposed Construction: ADAL building 3209 to accommodate fuselage trainer equipment in support of the KC-46A beddown at Joint Base McGuire-Dix-Lakehurst (JBMDL). Alteration work will consist of interior reconfiguration of building 3209 to accommodate KC-46A fuselage trainer equipment. Construction will include an open wall covered storage addition to building 3209 utilizing a concrete slab, structural steel frame and standing seam metal roof. The project will include all utilities, communications infrastructure and all other supporting work necessary to make a complete and useable 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. This project will comply with DoD antiterrorism/force protection requirements per UFC 4-101-01.					
Air Conditioning: 0 Tons					
11. Requirement: 18409 SM Adequate: 17625 SM Substandard: 514 SM					
PROJECT: KC-46A, Alter B3209 for Fuselage Trainer (New Mission)					
REQUIREMENT: The Air Force has designated JBMDL as the preferred alternative for the fourth KC-46A Main Operating Base (MOB 4). A high bay fuselage trainer facility that is adequately configured for KC-46A cargo load operations training is required. The facility will enable enterprise training and beddown of KC-46A flying squadrons at JBMDL. The space will support installation of an aircraft fuselage trainer (120 ft x 25 ft) with egress slide, sprinkler system inside and under the device, cargo yard, parts storage, training equipment, classrooms, mechanical room, computer room, latrines and offices. Open wall covered storage adjacent to B3209 is required to store ancillary equipment.					

1. COMPONENT AIR FORCE	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION, SITE AND LOCATION JB MCGUIRE-DIX-LAKEHURST MCGUIRE AFB NEW JERSEY			4. PROJECT TITLE KC-46A ADAL B3209 FOR FUSELAGE TRAINER	
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 171-625	7. RPSUID/PROJECT NUMBER 2795/PTFL163006	8. PROJECT COST (\$000) 3,300	
<p>CURRENT SITUATION: There is no other facility on JBMDL that is adequately sized and configured to house the fuselage trainer.</p> <p>IMPACT IF NOT PROVIDED: The AF will be unable to provide timely aircrew training necessary to begin operation of the new KC-46A aircraft. The lack of this facility and its equipment greatly increases training costs by requiring the use of mission aircraft which would otherwise be used for operational sorties. This will place active KC-46A assets at higher risk of damage due to training accidents.</p> <p>ADDITIONAL: This project meets the applicable criteria/scope specified in Air Force Manual 32-1084 "Facility Requirements" and the KC-46A Facility Requirements Plan. A preliminary analysis of reasonable alternatives evaluating status quo, ADAL and new construction was accomplished. This analysis indicated ADAL is the most cost effective alternative which meets mission requirements. A formal economic analysis is being prepared. 87th Air Base Wing Base Civil Engineer: 609-754-3722. Alter Bldg 3209: 244 SM = 2628 SF; Add Covered Storage: 270 SM = 2906 SF.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>				

1. COMPONENT AIR FORCE	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION JB MCGUIRE-DIX-LAKEHURST MCGUIRE AFB NEW JERSEY		4. PROJECT TITLE KC-46A ADAL B3209 FOR FUSELAGE TRAINER	
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 171-625	7. PROJECT NUMBER 2795/PTFL163006	8. PROJECT COST (\$000) 3,300
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			01-MAY-17
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2017			0%
* (d) Date 35% Designed			01-OCT-17
(e) Date Design Complete			01-APR-18
(f) Energy Study/Life-Cycle analysis was/will be performed			YES
(2) Basis:			
(a) Standard or Definitive Design -			NO
(b) Where Design Was Most Recently Used -			
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a) Production of Plans and Specifications			198
(b) All Other Design Costs			99
(c) Total			297
(d) Contract			248
(e) In-house			50
(4) Construction Contract Award			18 AUG
(5) Construction Start			18 SEP
(6) Construction Completion			19 SEP
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
KC-46A TRAINING DEVICES	3080	2018	7,000
COMMUNICATIONS EQUIPMENT	3400	2019	16
FURNITURE FIXTURES EQUIPMENT	3400	2019	45

1. COMPONENT AIR FORCE	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION, SITE AND LOCATION JB MCGUIRE-DIX-LAKEHURST MCGUIRE AFB NEW JERSEY			4. PROJECT TITLE KC-46A ALTER FACILITIES FOR MAINTENANCE		
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 211-152	7. RPSUID/PROJECT NUMBER 2795/PTFL163007	8. PROJECT COST (\$000) 5,800		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT	COST (\$000)
ALTER SELECT FACILITIES FOR 24 PAA BEDDOWN					5,134
ALTER BLDG 1817 FOR ENGINE STORAGE (211-157)		SM	188	1,640	(308)
ALTER BLDG 2201 FOR HYDRO/WARP/NDI (211-153)		SM	1,169	1,850	(2,163)
ALTER BLDG 2251 FOR WARP STORAGE (211-152)		SM	408	638	(260)
ALTER BLDG 3101 FOR PARTS STORAGE (211-152)		SM	3,029	760	(2,302)
SUSTAINABILITY AND ENERGY MEASURES		LS			(101)
SUPPORTING FACILITIES					100
UTILITIES		LS			(50)
COMMUNICATION		LS			(50)
SUBTOTAL					5,234
CONTINGENCY (5.0%)					262
TOTAL CONTRACT COST					5,495
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					313
TOTAL REQUEST					5,809
TOTAL REQUEST (ROUNDED)					5,800
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(400.0)
10. Description of Proposed Construction: Alter buildings 1817, 2201, 2251 and 3101 to provide required aircraft component storage and shop space in support of the KC-46A beddown at Joint Base McGuire-Dix-Lakehurst (JBMDL). Alteration work in building 1817 includes removal of hangar doors, frame rough opening and install siding and overhead doors. Alteration work in building 2201 includes reconfiguration to provide a fully enclosed painted concrete masonry unit security vault with lighting and vinyl flooring as well as space for hydraulic and wing air refueling pod (WARP) maintenance functions and non-destructive inspection (NDI) shop functions. Alteration work in building 2251 includes reconfiguration to provide a security cage area, a fully enclosed painted concrete masonry unit security vault with concrete roof, a standalone unisex restroom, replacement of all personnel doors and two overhead doors. Alteration work in building 3101 includes reconfiguration to provide office space as well as restrooms. The project includes reconfiguration of interior walls, lighting, plumbing, HVAC and all other necessary supporting work to make complete and useable facilities. 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. This project will comply with DoD Antiterrorism/force protection requirements per UFC 4-010-01.					
Air Conditioning: 0 Tons					
11. Requirement: 38809 SM Adequate: 34015 SM Substandard: 4794 SM PROJECT: KC-46A, Alter Multiple Facilities for Beddown (New Mission)					

1. COMPONENT AIR FORCE	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION, SITE AND LOCATION JB MCGUIRE-DIX-LAKEHURST MCGUIRE AFB NEW JERSEY			4. PROJECT TITLE KC-46A ALTER FACILITIES FOR MAINTENANCE	
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 211-152	7. RPSUID/PROJECT NUMBER 2795/PTFL163007	8. PROJECT COST (\$000) 5,800	
<p>REQUIREMENT: The Air Force has designated JBMDL as the preferred alternative for the fourth KC-46A Main Operating Base (MOB 4). Facility space is necessary to support engine storage, hydraulic shop, WARP shop and storage, NDI shop and spare parts storage functions at JBMDL.</p> <p>CURRENT SITUATION: There are no facilities at JBMDL which are adequately sized and configured for engine storage, hydraulic shop, WARP shop and storage, NDI shop and spare parts storage functions.</p> <p>IMPACT IF NOT PROVIDED: Aircraft engines, spare parts and equipment will be stored outdoors causing rapid corrosion of critical aircraft components, increasing maintenance costs. Corrosion will increase the occurrence of equipment and aircraft component failure, placing mission aircraft at risk.</p> <p>ADDITIONAL: This project meets the applicable criteria/scope specified in Air Force Manual 32-1084 "Facility Requirements" and the KC-46A Facility Requirements Plan. A preliminary analysis of reasonable alternatives evaluating status quo, alteration of existing facilities and new construction was accomplished. This analysis indicated alteration of existing facilities is the most cost effective alternative which meets mission requirements. A formal economic analysis is being prepared. 87th Air Base Wing Base Civil Engineer: 609-754-3722. Alter Bldg 1817: 188 SM = 2022 SF; Alter Bldg 2201: 1,169 SM = 12,580 SF; Alter Bldg 2251: 408 SM = 4,388 SF; Alter Bldg 2253 SM = 32,600 SF.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>				

1. COMPONENT AIR FORCE	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION JB MCGUIRE-DIX-LAKEHURST MCGUIRE AFB NEW JERSEY		4. PROJECT TITLE KC-46A ALTER FACILITIES FOR MAINTENANCE	
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 211-152	7. PROJECT NUMBER 2795/PTFL163007	8. PROJECT COST (\$000) 5,800
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			01-MAY-17
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2017			0%
* (d) Date 35% Designed			01-OCT-17
(e) Date Design Complete			01-APR-18
(f) Energy Study/Life-Cycle analysis was/will be performed			YES
(2) Basis:			
(a) Standard or Definitive Design -			NO
(b) Where Design Was Most Recently Used -			
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a) Production of Plans and Specifications			348
(b) All Other Design Costs			174
(c) Total			522
(d) Contract			435
(e) In-house			87
(4) Construction Contract Award			18 AUG
(5) Construction Start			18 SEP
(6) Construction Completion			20 MAR
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
COMMUNICATIONS EQUIPMENT	3400	2019	50
FURNITURE FIXTURES EQUIPMENT	3400	2019	350

1. COMPONENT AIR FORCE	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION, SITE AND LOCATION JB MCGUIRE-DIX-LAKEHURST MCGUIRE AFB NEW JERSEY			4. PROJECT TITLE KC-46A ADD TO B1837 FOR BODY TANKS STORAGE		
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 211-179	7. RPSUID/PROJECT NUMBER 2795/PTFL163008	8. PROJECT COST (\$000) 2,300		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT	COST (\$000)
PRIMARY FACILITIES					1,620
ADD TO B1837		SM	201	7,900	(1,588)
SUSTAINABILITY AND ENERGY MEASURES		LS			(32)
SUPPORTING FACILITIES					446
UTILITIES		LS			(80)
SITE IMPROVEMENTS		LS			(50)
PAVEMENTS		LS			(259)
COMMUNICATIONS		LS			(57)
SUBTOTAL					2,066
CONTINGENCY (5.0%)					103
TOTAL CONTRACT COST					2,169
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					124
TOTAL REQUEST					2,293
TOTAL REQUEST (ROUNDED)					2,300
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(7.0)
10. Description of Proposed Construction: Construct an addition to building 1837 for body tank storage in support of the KC-46A beddown at Joint Base McGuire-Dix-Lakehurst (JBMDL). Construction will include reinforced steel concrete spread footings, concrete floor slab, structural steel frame with split faced block veneer and a standing seam metal roof. The project will include utilities, site improvements, pavement, communications infrastructure and other supporting work necessary to make a complete and useable 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. This project will comply with DoD antiterrorism/force protection requirements per UFC 4-101-01.					
Air Conditioning: 20 Tons					
11. Requirement: 15651 SM Adequate: 15450 SM Substandard: 0 SM					
PROJECT: KC-46A, Add to B1837 for Body Tanks Storage (New Mission)					
REQUIREMENT: The Air Force has designated JBMDL as the preferred alternative for the fourth KC-46A Main Operating Base (MOB 4). An adequately sized and configured aircraft body fuel tank maintenance and storage facility is required to support the KC-46A beddown at JBMDL.					
CURRENT SITUATION: There are no facilities on JBMDL adequately sized and configured to support KC-46A body tank maintenance and storage functions. Without a dedicated facility, KC-46A body tank maintenance and storage will be conducted outdoors exposing critical aircraft components to the elements.					
IMPACT IF NOT PROVIDED: Maintenance and storage of KC-46A body tanks in an outdoor					

1. COMPONENT AIR FORCE	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION, SITE AND LOCATION JB MCGUIRE-DIX-LAKEHURST MCGUIRE AFB NEW JERSEY			4. PROJECT TITLE KC-46A ADD TO B1837 FOR BODY TANKS STORAGE	
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 211-179	7. RPSUID/PROJECT NUMBER 2795/PTFL163008	8. PROJECT COST (\$000) 2,300	
<p>environment will result in rapid corrosion of body tanks, substantially decreasing their useful life and increasing maintenance costs. Such a scenario will have a negative impact on refueling operations as corroded body tanks will likely result in fuel contamination.</p> <p>ADDITIONAL: This project meets the applicable criteria/scope specified in Air Force Manual 32-1084 "Facility Requirements" and the KC-46A Facility Requirements Plan. A preliminary analysis of reasonable alternatives evaluating status quo, addition to an existing facility and new construction was accomplished. This analysis indicated an addition to an existing facility is the most cost effective alternation which meets mission requirements. A formal economic analysis is being prepared. 87th Air Base Wing Base Civil Engineer: 609-754-3722. B1837 Addition: 201 SM = 2,160 SF.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>				

1. COMPONENT AIR FORCE	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION JB MCGUIRE-DIX-LAKEHURST MCGUIRE AFB NEW JERSEY		4. PROJECT TITLE KC-46A ADD TO B1837 FOR BODY TANKS STORAGE	
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 211-179	7. PROJECT NUMBER 2795/PTFL163008	8. PROJECT COST (\$000) 2,300
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			01-MAY-17
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2017			0%
* (d) Date 35% Designed			01-OCT-17
(e) Date Design Complete			01-APR-18
(f) Energy Study/Life-Cycle analysis was/will be performed			YES
(2) Basis:			
(a) Standard or Definitive Design -			NO
(b) Where Design Was Most Recently Used -			
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a) Production of Plans and Specifications			138
(b) All Other Design Costs			69
(c) Total			207
(d) Contract			173
(e) In-house			35
(4) Construction Contract Award			18 AUG
(5) Construction Start			18 SEP
(6) Construction Completion			19 SEP
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
COMMUNICATIONS EQUIPMENT	3400	2019	1
FURNITURE FIXTURES EQUIPMENT	3400	2019	6

1. COMPONENT AIR FORCE	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION, SITE AND LOCATION JB MCGUIRE-DIX-LAKEHURST MCGUIRE AFB NEW JERSEY			4. PROJECT TITLE KC-46A ALTER BLDGS FOR OPS AND TFI AMU-AMXS		
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 141-753	7. RPSUID/PROJECT NUMBER 2795/PTFL163010	8. PROJECT COST (\$000) 9,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT	COST (\$000)
PRIMARY FACILITIES					7,782
KC-46A ALTER B1928 FOR TFI OG (610-243)		SM	1,528	1,010	(1,543)
KC-46A ALTER B1828 FOR SQ OPS (141-753)		SM	3,768	420	(1,583)
KC-46A ALTER B1829 FOR SQ OPS (141-753)		SM	3,483	495	(1,724)
KC-46A ALTER B1730 FOR MSN PLANNING (141-453)		SM	743	2,000	(1,486)
KC-46A ALTER B1835 FOR TFI AMU/AMXS (211-154)		SM	1,927	650	(1,253)
EXTERIOR CANOPIES (145-921)		SM	291	150	(44)
SUSTAINABILITY & ENERGY MEASURES		LS			(150)
SUPPORTING FACILITIES					300
UTILITIES		LS			(200)
COMMUNICATIONS		LS			(100)
SUBTOTAL					8,082
CONTINGENCY (5.0%)					404
TOTAL CONTRACT COST					8,486
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					484
TOTAL REQUEST					8,970
TOTAL REQUEST (ROUNDED)					9,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(45.0)
10. Description of Proposed Construction: Alter buildings 1928, 1828, 1829, 1730, and 1835 in support of the KC-46A beddown at Joint Base McGuire-Dix-Lakehurst (JBMDL). Alteration work includes replacement of HVAC components, replacement of major/secondary electrical components, reconfiguration of interior walls and lighting, reconfiguration of plumbing, reconfiguration of fire suppression systems and installation of exterior canopies. The project includes utilities, communications infrastructure and all supporting work necessary to make complete and useable facilities. 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. This project will comply with DoD antiterrorism/force protection requirements per UFC 4-101-01.					
Air Conditioning: 0 Tons					
11. Requirement: 17764 SM Adequate: 3184 SM Substandard: 11449 SM					
PROJECT: KC-46A, Alter Bldgs for Ops and TFI AMU / AMXS (New Mission)					
REQUIREMENT: The Air Force has designated JBMDL as the preferred alternative for the fourth KC-46A Main Operating Base (MOB 4). Adequate space for squadron operations administrative functions, aircraft maintenance unit administrative functions and mission planning is required to support KC-46A beddown at JBMDL. Due to the classified nature of multiple mission requirements, all mission planning					

1. COMPONENT AIR FORCE	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION, SITE AND LOCATION JB MCGUIRE-DIX-LAKEHURST MCGUIRE AFB NEW JERSEY			4. PROJECT TITLE KC-46A ALTER BLDGS FOR OPS AND TFI AMU-AMXS	
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 141-753	7. RPSUID/PROJECT NUMBER 2795/PTFL163010	8. PROJECT COST (\$000) 9,000	
<p>functions must be co-located to maintain proper security of sensitive/classified information critical for proper planning of safe and efficient air operations. Space is necessary to support both active duty and Air Force Reserve Component (ARC) personnel as KC-46A aircraft will be operated under the Total Force Integration (TFI) concept.</p> <p>CURRENT SITUATION: Adequate space is not available to support KC-46A squadron operations administrative, aircraft maintenance unit administrative functions and mission planning under the TFI concept at JBMDL.</p> <p>IMPACT IF NOT PROVIDED: Lack of proper facilities for KC-46A command and control functions will degrade the ability of assigned personnel to generate KC-46A sorties in support of critical Air Force missions. Additionally, efficiencies generated by TFI operations will not be fully realized as active duty and ARC personnel will be forced to operate from geographically separated facilities. Additionally, aircrew and support staff will not be able to efficiently plan KC-46A flight operations in to support mission requirements.</p> <p>ADDITIONAL: This project meets the applicable criteria/scope specified in Air Force Manual 32-1084 "Facility Requirements" and the KC-46A Facility Requirements Plan. A preliminary analysis of reasonable alternatives evaluating status quo, alteration and new construction was accomplished. This analysis indicated alteration of existing facilities is the most cost effective alternative to meet mission requirements. 87th Air Base Wing Base Civil Engineer: 609-754-3722. Alter B1928 for TFI Operations Group: 1,528 SM = 16,447 SF; Alter B1828 for Squadron Operations: 3,768 SM = 40,560 SF; Alter B1829 for Squadron Operations: 3,483 SM = 37,494 SF; Alter B1730 for Mission Planning: 743 SM = 8,000 SF; Alter B1835 for TFI AMU/AMXS: 1,927 SM = 20, 739 SF.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>				

1. COMPONENT AIR FORCE	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION JB MCGUIRE-DIX-LAKEHURST MCGUIRE AFB NEW JERSEY		4. PROJECT TITLE KC-46A ALTER BLDGS FOR OPS AND TFI AMU-AMXS	
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 141-753	7. PROJECT NUMBER 2795/PTFL163010	8. PROJECT COST (\$000) 9,000
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			01-MAY-17
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2017			0%
* (d) Date 35% Designed			01-OCT-17
(e) Date Design Complete			01-APR-18
(f) Energy Study/Life-Cycle analysis was/will be performed			YES
(2) Basis:			
(a) Standard or Definitive Design -			NO
(b) Where Design Was Most Recently Used -			
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a) Production of Plans and Specifications			540
(b) All Other Design Costs			270
(c) Total			810
(d) Contract			675
(e) In-house			135
(4) Construction Contract Award			18 AUG
(5) Construction Start			18 SEP
(6) Construction Completion			20 MAR
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
COMMUNICATIONS EQUIPMENT	3400	2019	15
FURNITURE FIXTURES EQUIPMENT	3400	2019	30

1. COMPONENT AIR FORCE	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION, SITE AND LOCATION JB MCGUIRE-DIX-LAKEHURST MCGUIRE AFB NEW JERSEY			4. PROJECT TITLE KC-46A ADAL B1816 FOR SUPPLY		
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 218-712	7. RPSUID/PROJECT NUMBER 2795/PTFL163012	8. PROJECT COST (\$000) 6,900		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT	COST (\$000)
PRIMARY FACILITIES					6,113
ALTER B1816		SM	3,928	1,450	(5,696)
ADD TO B1816		SM	157	1,898	(298)
SUSTAINABILITY AND ENERGY MEASURES		LS			(120)
SUPPORTING FACILITIES					66
UTILITIES		LS			(16)
SITE IMPROVEMENTS		LS			(14)
PAVEMENTS		LS			(25)
COMMUNICATIONS		LS			(11)
SUBTOTAL					6,179
CONTINGENCY (5.0%)					309
TOTAL CONTRACT COST					6,488
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					370
TOTAL REQUEST					6,858
TOTAL REQUEST (ROUNDED)					6,900
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(540.0)
<p>10. Description of Proposed Construction: ADAL building 1816 to provide adequate supply and equipment storage space in support of the KC-46A beddown at Joint Base McGuire-Dix-Lakehurst (JBMDL). Alteration work will include replacement of standing seam metal roof and insulation, HVAC systems, fire suppression, carpet/tile, wall finishings, ceiling material, interior electrical systems, office entry doors, latrine fixtures, main entrance canopies as well as reconfiguration of interior walls. Addition work includes reinforced concrete foundations, structural steel frame with interlocking sandwich wall panels and a standing seam metal roof system. The project includes utilities, site improvements, pavements, communications infrastructure and all other support work necessary to make a complete and useable 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. This project will comply with DoD Antiterrorism/force protection requirements per UFC 4-010-01.</p> <p>Air Conditioning: 50 Tons</p>					
<p>11. Requirement: 4085 SM Adequate: 0 SM Substandard: 3928 SM</p> <p>PROJECT: KC-46A ADAL B1816 for Supply (New Mission)</p> <p>REQUIREMENT: The Air Force has designated JBMDL as the preferred alternative for the fourth KC-46A Main Operating Base (MOB 4). Adequate space for storage of aircraft support equipment and supplies is required to effectively support KC-46A beddown.</p>					

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3. INSTALLATION, SITE AND LOCATION JB MCGUIRE-DIX-LAKEHURST MCGUIRE AFB NEW JERSEY			4. PROJECT TITLE KC-46A ADAL B1816 FOR SUPPLY	
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 218-712	7. RPSUID/PROJECT NUMBER 2795/PTFL163012	8. PROJECT COST (\$000) 6,900	
<p>CURRENT SITUATION: There are currently no facilities on JBMDL which are both adequately sized and configured for storage of KC-46A support equipment and supplies. Workarounds for KC-46A support equipment and supplies includes outdoor storage.</p> <p>IMPACT IF NOT PROVIDED: Without this project, KC-46A support equipment and supplies will be stored in an outdoor environment, exposing critical equipment and supplies to weather damage. Such damage will increase equipment maintenance costs, decrease the useful life of equipment items and increase risk to the execution of KC-46A refueling missions.</p> <p>ADDITIONAL: This project meets the applicable criteria/scope specified in Air Force Manual 32-1084 "Facility Requirements" and the KC-46A Facility Requirements Plan. A preliminary analysis of reasonable alternatives comparing status quo, ADAL and new construction was accomplished. This analysis indicated ADAL is the most cost effective option which meets mission requirements. A formal economic analysis is being prepared. 87th Air Base Wing Base Civil Engineer: 609-754-3722. Alter B1816: 3,928 SM = 42,281 SF; Add to B1816: 157 SM = 1,688 SF.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>				

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3. INSTALLATION AND LOCATION JB MCGUIRE-DIX-LAKEHURST MCGUIRE AFB NEW JERSEY		4. PROJECT TITLE KC-46A ADAL B1816 FOR SUPPLY	
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 218-712	7. PROJECT NUMBER 2795/PTFL163012	8. PROJECT COST (\$000) 6,900
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			01-MAY-17
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2017			0%
* (d) Date 35% Designed			01-OCT-17
(e) Date Design Complete			01-APR-18
(f) Energy Study/Life-Cycle analysis was/will be performed			YES
(2) Basis:			
(a) Standard or Definitive Design -			NO
(b) Where Design Was Most Recently Used -			
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a) Production of Plans and Specifications			414
(b) All Other Design Costs			207
(c) Total			621
(d) Contract			518
(e) In-house			104
(4) Construction Contract Award			18 AUG
(5) Construction Start			18 SEP
(6) Construction Completion			20 MAR
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
COMMUNICATIONS EQUIPMENT	3400	2019	90
FURNITURE FIXTURES EQUIPMENT	3400	2019	450

1. COMPONENT AIR FORCE	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION, SITE AND LOCATION JB MCGUIRE-DIX-LAKEHURST MCGUIRE AFB NEW JERSEY			4. PROJECT TITLE KC-46A ADAL B1749 FOR ATGL & LST SERVICING		
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 141-785	7. RPSUID/PROJECT NUMBER 2795/PTFL163015	8. PROJECT COST (\$000) 2,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT	COST (\$000)
PRIMARY FACILITIES					1,495
ADD TO B1749		SM	263	4,230	(1,112)
ALTER B1749		SM	195	1,811	(353)
SUSTAINABILITY AND ENERGY MEASURES		LS			(29)
SUPPORTING FACILITIES					285
UTILITIES		LS			(67)
SITE IMPROVEMENTS		LS			(43)
PAVEMENTS		LS			(123)
COMMUNICATIONS		LS			(52)
SUBTOTAL					1,780
CONTINGENCY (5.0%)					89
TOTAL CONTRACT COST					1,869
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					107
TOTAL REQUEST					1,976
TOTAL REQUEST (ROUNDED)					2,000
<p>10. Description of Proposed Construction: ADAL building 1749 to provide space for air transportable galley latrines (ATGL) and latrine service trucks (LST) operations in support of the KC-46A beddown at Joint Base McGuire-Dix-Lakehurst (JBMDL). Addition work includes reinforced concrete foundations, steel framed high open bay with sandwich insulated wall panels and brick knee wall accent as well as a standing seam metal roof. Alteration work includes replacement of carpet/tile, interior wall finishes and ceiling material as well as reconfiguration of interior walls, electrical systems, lights and plumbing. The project includes all utilities, site improvements, pavements, communications infrastructure and all other supporting work necessary to make a complete and useable 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. This project will comply with DoD Antiterrorism/force protection requirements per UFC 4-010-01.</p> <p>Air Conditioning: 20 Tons</p>					
<p>11. Requirement: 732 SM Adequate: 274 SM Substandard: 195 SM</p> <p>PROJECT: KC-46A ADAL B1749 for ATGL & LST Servicing (New Mission)</p> <p>REQUIREMENT: The Air Force has designated JBMDL as the preferred location for the fourth KC-46A Main Operating Base (MOB 4). An adequately sized and configured facility is required for ATGL and LST servicing and waste disposal in support of the KC-46A beddown.</p> <p>CURRENT SITUATION: There are no facilities on JBMDL which are both adequately sized and configured for KC-46A ATGL and LST servicing. ATGL and LST storage and</p>					

1. COMPONENT AIR FORCE	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION, SITE AND LOCATION JB MCGUIRE-DIX-LAKEHURST MCGUIRE AFB NEW JERSEY			4. PROJECT TITLE KC-46A ADAL B1749 FOR ATGL & LST SERVICING	
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 141-785	7. RPSUID/PROJECT NUMBER 2795/PTFL163015	8. PROJECT COST (\$000) 2,000	
<p>servicing workarounds include conducting those operations in an outdoor environment.</p> <p>IMPACT IF NOT PROVIDED: Without this project, KC-46A ATGL and LST equipment will be stored and serviced in an outdoor environment, exposing critical equipment to weather damage. Such damage will decrease the useful life of ATGL and LST equipment and increase maintenance costs. Additionally, waste collected from ATGL equipment will have to transported a considerable distance for proper disposal.</p> <p>ADDITIONAL: This project meets the applicable criteria/scope specified in Air Force Manual 32-1084 "Facility Requirements" and the KC-46A Facility Requirements Plan. A preliminary analysis of reasonable alternatives comparing status quo, ADAL and new construction was accomplished. This analysis indicated ADAL is the most cost effective alternative which meets mission requirements. A formal economic analysis is being prepared. 87th Air Base Wing Base Civil Engineer: 609-754-3722. Add to B1749: 263 SM = 2,835 SF; Alter B1749: 195 SM = 2,100 SF.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>				

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3. INSTALLATION AND LOCATION JB MCGUIRE-DIX-LAKEHURST MCGUIRE AFB NEW JERSEY		4. PROJECT TITLE KC-46A ADAL B1749 FOR ATGL & LST SERVICING																											
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 141-785	7. PROJECT NUMBER 2795/PTFL163015	8. PROJECT COST (\$000) 2,000																										
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated Design Data:</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started</td> <td>01-MAY-17</td> </tr> <tr> <td>(b) Parametric Cost Estimates used to develop costs</td> <td>YES</td> </tr> <tr> <td>* (c) Percent Complete as of 01 JAN 2017</td> <td>90%</td> </tr> <tr> <td>* (d) Date 35% Designed</td> <td>01-OCT-17</td> </tr> <tr> <td>(e) Date Design Complete</td> <td>01-APR-18</td> </tr> <tr> <td>(f) Energy Study/Life-Cycle analysis was/will be performed</td> <td>YES</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design -</td> <td>NO</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used -</td> <td></td> </tr> </table> <p>(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications</td> <td>120</td> </tr> <tr> <td>(b) All Other Design Costs</td> <td>60</td> </tr> <tr> <td>(c) Total</td> <td>180</td> </tr> <tr> <td>(d) Contract</td> <td>150</td> </tr> <tr> <td>(e) In-house</td> <td>30</td> </tr> </table> <p>(4) Construction Contract Award 18 AUG</p> <p>(5) Construction Start 18 SEP</p> <p>(6) Construction Completion 19 SEP</p> <p>* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.</p> <p>b. Equipment associated with this project provided from other appropriations: N/A</p>				(a) Date Design Started	01-MAY-17	(b) Parametric Cost Estimates used to develop costs	YES	* (c) Percent Complete as of 01 JAN 2017	90%	* (d) Date 35% Designed	01-OCT-17	(e) Date Design Complete	01-APR-18	(f) Energy Study/Life-Cycle analysis was/will be performed	YES	(a) Standard or Definitive Design -	NO	(b) Where Design Was Most Recently Used -		(a) Production of Plans and Specifications	120	(b) All Other Design Costs	60	(c) Total	180	(d) Contract	150	(e) In-house	30
(a) Date Design Started	01-MAY-17																												
(b) Parametric Cost Estimates used to develop costs	YES																												
* (c) Percent Complete as of 01 JAN 2017	90%																												
* (d) Date 35% Designed	01-OCT-17																												
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(f) Energy Study/Life-Cycle analysis was/will be performed	YES																												
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1. COMPONENT AIR FORCE	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	
3. INSTALLATION, SITE AND LOCATION JB MCGUIRE-DIX-LAKEHURST MCGUIRE AFB NEW JERSEY			4. PROJECT TITLE KC-46A AEROSPACE GROUND EQUIPMENT STORAGE		
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 145-921	7. RPSUID/PROJECT NUMBER 2795/PTFL163017	8. PROJECT COST (\$000) 4,100		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT	COST (\$000)
PRIMARY FACILITIES					2,824
AEROSPACE GROUND EQUIPMENT COVERED STORAGE		SM	1,858	1,490	(2,768)
SUSTAINABILITY AND ENERGY MEASURES		LS			(55)
SUPPORTING FACILITIES					869
UTILITIES		LS			(185)
SITE IMPROVEMENTS		LS			(114)
PAVEMENTS		LS			(570)
SUBTOTAL					3,693
CONTINGENCY (5.0%)					185
TOTAL CONTRACT COST					3,877
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					221
TOTAL REQUEST					4,098
TOTAL REQUEST (ROUNDED)					4,100
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(50.0)
<p>10. Description of Proposed Construction: Construct Aerospace Ground Equipment (AGE) covered storage in support of the KC-46A beddown at Joint Base McGuire-Dix-Lakehurst (JBMDL). Construction will include reinforced steel spread footings, concrete floor slab, structural steel frame with metal siding and a standing seam metal roof. The project includes utilities, site improvements, pavements and all necessary utilities to make a complete and useable 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. This project will comply with DoD antiterrorism/force protection requirements per UFC 4-101-01.</p> <p>Air Conditioning: 0 Tons</p>					
<p>11. Requirement: 1858 SM Adequate: 0 SM Substandard: 0 SM</p> <p>PROJECT: KC-46A Aerospace Ground Equipment Storage (New Mission)</p> <p>REQUIREMENT: The Air Force has designated JBMDL as the preferred alternative for the fourth KC-46A Main Operating Base (MOB 4). Covered storage facilities are required for specific AGE assets that do not need to be stored in a temperature controlled environment but should be protected from inclement weather when not in use.</p> <p>CURRENT SITUATION: Existing AGE covered storage at JBMDL supports other assigned airframes and is not large enough to accommodate KC-46A equipment.</p> <p>IMPACT IF NOT PROVIDED: AGE equipment will be stored outdoors with no shelter from the sun, rain or snow. Exposure to the elements will result in rapid degradation of equipment and will increase maintenance costs.</p> <p>ADDITIONAL: This project meets the applicable criteria/scope specified in Air</p>					

1. COMPONENT AIR FORCE	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE
3. INSTALLATION, SITE AND LOCATION JB MCGUIRE-DIX-LAKEHURST MCGUIRE AFB NEW JERSEY			4. PROJECT TITLE KC-46A AEROSPACE GROUND EQUIPMENT STORAGE	
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 145-921	7. RPSUID/PROJECT NUMBER 2795/PTFL163017	8. PROJECT COST (\$000) 4,100	
<p>Force Manual 32-1084 "Facility Requirements" and the KC-46A Facility Requirements Plan. A preliminary analysis of reasonable alternatives evaluating status quo, ADAL and new construction was accomplished. This analysis indicated new construction is the most cost effective alternative which meets mission requirements. A formal economic analysis is being prepared. 87th Air Base Wing Base Civil Engineer: 609-754-3722. Aerospace Ground Equipment Covered Storage: 1,858 SM = 20,000 SF.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>				

1. COMPONENT AIR FORCE	FY 2018 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE
3. INSTALLATION AND LOCATION JB MCGUIRE-DIX-LAKEHURST MCGUIRE AFB NEW JERSEY		4. PROJECT TITLE KC-46A AEROSPACE GROUND EQUIPMENT STORAGE	
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 145-921	7. PROJECT NUMBER 2795/PTFL163017	8. PROJECT COST (\$000) 4,100
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			01-MAY-17
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2017			0%
* (d) Date 35% Designed			01-OCT-17
(e) Date Design Complete			01-APR-18
(f) Energy Study/Life-Cycle analysis was/will be performed			YES
(2) Basis:			
(a) Standard or Definitive Design -			NO
(b) Where Design Was Most Recently Used -			
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a) Production of Plans and Specifications			246
(b) All Other Design Costs			123
(c) Total			369
(d) Contract			308
(e) In-house			62
(4) Construction Contract Award			18 AUG
(5) Construction Start			18 SEP
(6) Construction Completion			19 SEP
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
150 TON JACK	3400	2018	50

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3. INSTALLATION, SITE AND LOCATION JB MCGUIRE-DIX-LAKEHURST MCGUIRE AFB NEW JERSEY			4. PROJECT TITLE KC-46A TWO BAY GENERAL PURPOSE MX HANGAR		
5. PROGRAM ELEMENT 41221	6. CATEGORY CODE 211-111	7. RPSUID/PROJECT NUMBER 2795/PTFL163019	8. PROJECT COST (\$000) 72,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT	COST (\$000)
PRIMARY FACILITIES					46,390
TWO BAY MAINTENANCE HANGAR		SM	8,402	5,413	(45,480)
SUSTAINABILITY AND ENERGY MEASURES		LS			(910)
SUPPORTING FACILITIES					18,076
UTILITIES		LS			(2,123)
SITE IMPROVEMENTS		LS			(1,333)
PAVEMENTS		LS			(8,186)
DEMOLITION		SM	5,759	800	(4,607)
COMMUNICATIONS		LS			(1,827)
SUBTOTAL					64,466
CONTINGENCY (5.0%)					3,223
TOTAL CONTRACT COST					67,689
SUPERVISION, INSPECTION AND OVERHEAD (5.7%)					3,858
TOTAL REQUEST					71,547
TOTAL REQUEST (ROUNDED)					72,000
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)					(220.0)
<p>10. Description of Proposed Construction: Construct a 2-bay General Purpose Maintenance Hangar in support of the KC-46A beddown at Joint Base McGuire-Dix-Lakehurst (JBMDL). Construction includes concrete foundation wall and strip footings as well as reinforced spread footings and column bolts, reinforced concrete floor slab, structural steel frame, metal siding with vinyl backed insulation and a standing seam metal roof. The project includes utilities, site improvements, pavements, communications infrastructure and all other supporting work necessary to make a complete and useable facility. The project includes demolition of two facilities (5,759 SM). 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. This project will comply with DoD Antiterrorism/force protection requirements per UFC 4-010-01.</p> <p>Air Conditioning: 75 Tons</p>					
<p>11. Requirement: 8402 SM Adequate: 0 SM Substandard: 0 SM</p> <p>PROJECT: KC-46A Two Bay General Purpose Mx Hangar (New Mission)</p> <p>REQUIREMENT: The Air Force has designated JBMDL as the preferred alternative for the fourth KC-46A Main Operating Base (MOB 4). Adequately sized and configured hangar space is required to support KC-46A maintenance, repair and inspection activities which must be accomplished in an enclosed facility.</p> <p>CURRENT SITUATION: JBMDL currently has a deficit of 5 covered maintenance spaces for existing permanently assigned aircraft. No excess facilities are available for</p>					

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<p>use by the KC-46A. Workarounds include accomplishing indoor maintenance, repair and inspective activities in the outdoors.</p> <p>IMPACT IF NOT PROVIDED: Without this project sensitive maintenance, repair and inspectiion activities will be accomplished outdoors, placing critical aircraft systems and components at risk of damage.</p> <p>ADDITIONAL: This project meets the applicable criteria/scope specified in Air Force Manual 32-1084 "Facility Requirements" and the KC-46A Facility Requirements Plan. A preliminary analysis of reasonable alternative comparing status quo, ADAL and new construction was accomplished. This analysis indicated new construction is the most cost effective option which meets mission requirements. A formal economic analysis is being conducted. 87th Air Base Wing Base Civil Engineer: 609-754-3722. Two Bay Maintenance Hangar: 8,402 SM = 90,436 SF.</p> <p>JOINT USE CERTIFICATION: This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force requirements.</p>				

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12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design Started			01-MAY-17
(b) Parametric Cost Estimates used to develop costs			YES
* (c) Percent Complete as of 01 JAN 2017			0%
* (d) Date 35% Designed			01-NOV-17
(e) Date Design Complete			01-APR-18
(f) Energy Study/Life-Cycle analysis was/will be performed			YES
(2) Basis:			
(a) Standard or Definitive Design -			YES
(b) Where Design Was Most Recently Used -			McConnell
(3) Total Cost (c) = (a) + (b) or (d) + (e):			(\$000)
(a) Production of Plans and Specifications			4,320
(b) All Other Design Costs			2,160
(c) Total			6,480
(d) Contract			5,400
(e) In-house			1,080
(4) Construction Contract Award			18 AUG
(5) Construction Start			18 SEP
(6) Construction Completion			20 DEC
* Indicates completion of Project Definition with Parametric Cost Estimate which is comparable to traditional 35% design to ensure valid scope, cost and executability.			
b. Equipment associated with this project provided from other appropriations:			
EQUIPMENT NOMENCLATURE	PROCURING APPROPRIATION	FISCAL YEAR APPROPRIATED OR REQUESTED	COST (\$000)
COMMUNICATIONS EQUIPMENT	3400	2020	20
FURNITURE FIXTURES EQUIPMENT	3400	2020	200