

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 THIS PAGE INTENTIONALLY LEFT BLANK

DEPARTMENT OF THE AIR FORCE MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 2018 TABLE OF CONTENTS

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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)

			AUTHORIZATION	APPROPRIATION
STATE	INSTALLATION	PROJECT	REQUEST	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-	KC-46A ADAL B2319 For Boom Operator Trainer	6,100	6,100
	Lakehurst	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	146,500
		NEW JERSEY TOTAL:	146,500	146,500
		INSIDE THE US TOTAL:	269,000	269,000

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1. COMPO	AIR FORCE		FY 20	018 MIL	ITARY C	ONSTR	UCTIO	N PROG	RAM	2. DATE	2016093	0	
3. INSTALL	INSTALLATION AND LOCATION			4. COMMAND							5. AREA CONSTRUCTION		
	R FORCE BASE				AIR MOB	TI.TTY C	OMMAND			COST	INDEX		
CALIFORNI		(1) 51						(0)			1.31		
6. PERSON	NNEL		ERMAN		(2) OFFICER	STUDEN ENLISTED	CIVILIAN	(3)	SUPPOR ENLISTED		то	TAL	
a. AS OF	30-Sep-16	1300	5866	2247	0	0		661	2629	1564		14,267	
					-	-	-						
b. END FY	2022	1300	5866	2247	0	0	0	661	2629	1564		14,267	
	ORY DATA (\$000) L ACREAGE	6,383											
	NTORY TOTAL AS OF	30-Sep-1	16									3,060,808	
	IORIZATION NOT YET IN IN	1										185,950	
d. AUTH	IORIZATION REQUESTED I	IN THIS PRO	OGRAM	(FY 201	8)							122,500	
	INED IN NEXT FOUR PROG	RAM YEAR	RS (FY 2	019-2022	2)							41,850	
	AINING DEFICIENCY											60,000 3,471,108	
	TS REQUESTED IN THIS PR	ROGRAM (/	FY 2018)								3/4/1/100	
			TEGOR						b. C	OST	c. DESIG	N STATUS	
(1) CODE		ROJECT TI		,		(3) SCOP			00)	(1) START	(2) COMPLETE	
	KC-46A Alter B181/B18				U		11,437			400	05/17	04/18	
	<pre>KC-46A Aircraft 3-Bay KC-46A Alter B811, Cc</pre>				r		16,193			,000 700	05/17 05/17	04/18 04/18	
	KC-46A ADAL B14, Fuel			L Haliya	L		1,197			400	05/17	04/18	
								TOTAL	122	,500			
	PROJECTS IN NEXT FOUR					22)							
	KC-46A ADAL Parking A KC-46A Alter B4 Missi				tem		2,098			300 500			
	KC-46A ADAL B179, Sim						2,583			400			
171-212		ulator Fa	acility	7									
	KC-46A ADAL B179, Sin KC-46A ADAL B862 Fues			1			506			200			
171-625 171-618	KC-46A ADAL B862 Fues KC-46A Regional Maint	selage Tra Senance Tr	ainer		ity			SM	1,2				
171-625 171-618	KC-46A ADAL B862 Fues	selage Tra Senance Tr	ainer		ity		506	SM SM	1,2 25,	200			
171-625 171-618	KC-46A ADAL B862 Fues KC-46A Regional Maint	selage Tra Senance Tr	ainer		-		506 2,914 1,858	SM SM SM	1,2 25, 2,4	200 000 450			
171-625 171-618	KC-46A ADAL B862 Fues KC-46A Regional Maint	selage Tra Senance Tr	ainer		-	JTURE PF	506 2,914 1,858	SM SM SM	1,2 25, 2,4 41,	200 000 450 850			
171-625 171-618 218-712 R&M UNFU 10. MISSIO Travis Ai	KC-46A ADAL B862 Fues KC-46A Regional Maint KC-46A AGE Covered St NDED REQUIREMENT (\$M N OR MAJOR FUNCTIONS r Force Base hosts th	selage Tra senance Tr corage)) e 15th Ai	ainer raining .r Forc	g Facil	- FL	obility	506 2,914 1,858 ROJECT: wing w	SM SM SM SM STOTAL TOTAL ith two	1,; 25, 2,; 41, C-5 sq	200 000 450 850 .6 uadrons		-10 air	
171-625 171-618 218-712 R&M UNFU 10. MISSIO Travis Ai refueling	KC-46A ADAL B862 Fues KC-46A Regional Maint KC-46A AGE Covered St NDED REQUIREMENT (\$M N OR MAJOR FUNCTIONS r Force Base hosts th squadrons; an AFRC A	e 15th Ai	raining raining r Forc air mo	e HQ; a bility	an air mo wing; an	obility nd the I	506 2,914 1,858 ROJECT: wing w	SM SM SM SM STOTAL TOTAL ith two	1,; 25, 2,; 41, C-5 sq	200 000 450 850 .6 uadrons		-10 air	
171-625 171-618 218-712 R&M UNFU 10. MISSIO Travis Ai refueling 11. OUTST	KC-46A ADAL B862 Fues KC-46A Regional Maint KC-46A AGE Covered St NDED REQUIREMENT (\$M N OR MAJOR FUNCTIONS r Force Base hosts thu squadrons; an AFRC A ANDING POLLUTION AND	e 15th Ai	raining raining r Forc air mo	e HQ; a bility	an air mo wing; an	obility nd the I	506 2,914 1,858 ROJECT: wing w	SM SM SM SM STOTAL TOTAL ith two	1,; 25, 2,; 41, C-5 sq	200 000 450 850 .6 uadrons		-10 air	
171-625 171-618 218-712 R&M UNFU 10. MISSIO Travis Ai refueling 11. OUTST	KC-46A ADAL B862 Fues KC-46A Regional Maint KC-46A AGE Covered St NDED REQUIREMENT (\$M N OR MAJOR FUNCTIONS r Force Base hosts th squadrons; an AFRC A	e 15th Ai	raining raining r Forc air mo	e HQ; a bility	an air mo wing; an	obility nd the I	506 2,914 1,858 ROJECT: wing w	SM SM SM SM STOTAL TOTAL ith two	1,; 25, 2,; 41, C-5 sq	200 000 450 850 .6 uadrons		-10 air	
171-625 171-618 218-712 R&M UNFU 10. MISSIO Travis Ai refueling 11. OUTST a. Air P	KC-46A ADAL B862 Fues KC-46A Regional Maint KC-46A AGE Covered St NDED REQUIREMENT (\$M N OR MAJOR FUNCTIONS r Force Base hosts thu squadrons; an AFRC A ANDING POLLUTION AND	e 15th Ai	raining raining r Forc air mo	e HQ; a bility	an air mo wing; an	obility nd the I	506 2,914 1,858 ROJECT: wing w	SM SM SM SM STOTAL TOTAL ith two	1,; 25, 2,; 41, C-5 sq	200 000 450 850 .6 uadrons		-10 air	
171-625 171-618 218-712 R&M UNFU 10. MISSIO Travis Ai refueling 11. OUTST a. Air P b. Wate	KC-46A ADAL B862 Fues KC-46A Regional Maint KC-46A AGE Covered St NDED REQUIREMENT (\$M N OR MAJOR FUNCTIONS r Force Base hosts th squadrons; an AFRC A ANDING POLLUTION AND Yollution	elage Tra enance Tr corage) e 15th Ai ssociate	raining raining r Forc air mo	e HQ; a bility	an air mo wing; an	obility nd the I	506 2,914 1,858 ROJECT: wing w	SM SM SM SM STOTAL TOTAL ith two	1,; 25, 2,; 41, C-5 sq	200 000 450 850 .6 uadrons		-10 air	
171-625 171-618 218-712 R&M UNFU 10. MISSIO Travis Ai refueling 11. OUTST a. Air P b. Wate c. Occu	KC-46A ADAL B862 Fues KC-46A Regional Maint KC-46A AGE Covered St INDED REQUIREMENT (\$M N OR MAJOR FUNCTIONS r Force Base hosts th g squadrons; an AFRC A ANDING POLLUTION AND Pollution er Pollution	elage Tra enance Tr corage) e 15th Ai ssociate	raining raining r Forc air mo	e HQ; a bility	an air mo wing; an	obility nd the I	506 2,914 1,858 ROJECT: wing w	SM SM SM SM STOTAL TOTAL ith two	1,; 25, 2,; 41, C-5 sq	200 000 450 850 .6 uadrons		-10 air	
171-625 171-618 218-712 R&M UNFU 10. MISSIO Travis Ai refueling 11. OUTST a. Air P b. Wate c. Occu	KC-46A ADAL B862 Fues KC-46A Regional Maint KC-46A AGE Covered St INDED REQUIREMENT (\$M IN OR MAJOR FUNCTIONS IN OR MAJOR FUNCTION AND Pollution	elage Tra enance Tr corage) e 15th Ai ssociate	raining raining r Forc air mo	e HQ; a bility	an air mo wing; an	22)	506 2,914 1,858 ROJECT: wing w David G	SM SM SM STOTAL TOTAL ith two rant Me	1,; 25, 2, 41, <u>21</u> C-5 sq dical C	200 000 450 850 .6 uadrons		-10 air	

1. COMPONENT						2.	DATE	
AIR FORCE	FY 2018 MILITARY CO	ONSTRUCTI	ON P	ROJEC	T DA	ТА		
3. INSTALLATION AND	LOCATION	4. PROJECT T	ITLE:					
TRAVIS AIR FORCE BASE, CALIFORNIA KC-46A AI HANGAR				A ALTER B811 CORROSION CONTROL				
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT N	UMBE	R	8. PF	ROJECT CO	DST (\$000)	
41221	211-159	XDAT1023677 7,700				7,700		
	9. CO	OST ESTIMATES	3		1			
	ITEM		U/M	QUANT	TTY	UNIT COST	COST (\$000)	
PRIMARY FACILIT	IES						6,458	
	ON CONTROL HANGAR AND ENERGY MEASURE	S	SM LS	7,1′	70	883	(6,331) (127)	
SUPPORTING FACI	LITIFS						450	
SITE IMPROVEME			LS				(250)	
ENVIRONMENTA			LS				(200) (200)	
SUBTOTAL							6,908	
CONTINGENCY (5	5%)						(345)	
TOTAL CONTRACT	,						7,253	
SUPERVISION, IN	SPECTION AND OVERHEA	AD (5.7%)					(413)	
TOTAL REQUEST							7,667	
TOTAL REQUEST (2	ROUNDED)						7,700	
	E DDODOCED CONCEDIIC	FION.						
	F PROPOSED CONSTRUCT enable corrosion control opera		7 161	Work	noluc	las damali	ition and	
	sting failed structural concrete							
	systems and replacement of th							
	all other work necessary to m							
	tion in accordance with DoD							
	C 1-200-02, High Performanc							
	terrorism/force protection requ						FJ	
Air Conditioning: 0 To		1						
11. REQUIREMENT: 7,	170 SM ADEQ	UATE: 0			SUB	STANDAR	D: 7,170 SM	
PROJECT: KC-46A A	Iter B811 Corrosion Control I	Hangar (New I	Missio	n)				
REQUIREMENT: Th	e Air Force designated Travis	AFB as the pr	eferre	d alterna	ative	for the fou	urth KC-46A	
	(MOB 4). An adequately sized	-				-	-	
	rosion treating, corrosion repa							
• •	nt aircraft damage and maintai	-	-			•		
-	perly installed fire suppressio			-		-		
	The facility must be able to su ty/protection of personnel, equ				na pr	ovide prop	per fire protection	
•	<u>ON</u> : The current structural co	-			corro	sion contr	ol hangar has	
	f full replacement. It is the on							
	bs have shattered with several							
	In addition, the existing epoxy							
	aircraft towing operations is s							
	Iditional Foreign Object Debri				0			
	/E Form)							

DD Form 1391, DEC 99 (E-Form)

1. COMPONENT

AIR FORCE

FY 2018 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION

TRAVIS AIR FORCE BASE, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER
KC-46A ALTER B811 CORROSION CONTROL HANGAR	XDAT1023677

In addition, the antiquated fire detection/protection system is need of replacement to bring it up to current codes and industry standards.

<u>IMPACT IF NOT PROVIDED</u>: 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.

<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 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.

<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.

DD Form 1391, DEC 99 (E-Form)

1. COMPONENT		2.	DATE
AIR FORCE	FY 2018 MILITARY CONSTRUCTION	PROJECT DATA	
3. INSTALLATION AND	DLOCATION		
TRAVIS AIR FORCE	E BASE, CALIFORNIA		
4. PROJECT TITLE		5. PROJECT N	UMBER
KC-46A ALTER B81	1 CORROSION CONTROL HANGAR	XDA	T1023677
12. SUPPLEMENTA			
a. Estimated Design	n Data:		
(1) Status:	esign Started		1-MAY-17
	tric Cost Estimates used to develop costs		YES
	Complete as of 01 JAN 2017		0%
* (d) Date 35			1-OCT-17
	esign Complete		1-APR-18
	Study/Life-Cycle analysis was/will be performed		YES
(2) Basis:			
	d or Definitive Design –		NO
(b) Where I	Design Was Most Recently Used –		
	c) = (a) + (b) or (d) + (e):		(\$000)
	ion of Plans and Specifications		\$462
	er Design Costs		\$231
(c) Total			\$693
(d) Contrac			\$558
(e) In-house	e		\$115
(4) Construction	n Contract Award		18 AUG
(5) Construction	1 Start		18 SEP
(6) Construction	n Completion		20 MAR
	pletion of Project Definition with Parameter Cost nsure valid scope, cost and executability.	Estimate which is compa	rable to traditional
b. Equipment assoc	viated with this project provided from other approp	priations: N/A	

1. COMPONENT						ź	2. DATE	
AIR FORCE	FY 2018 MILITARY CO	ONSTRUCTIO	ON P	ROJEC	T DA	TA		
3. INSTALLATION AND I	LOCATION	4. PROJECT T	ITLE:					
TRAVIS AIR FORCE BASE, CALIFORNIA KC-46A AD.				4 FUEL	CEL	L HAN	GAR	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT N	UMBE	R	8. PR	OJECT (COST (\$0	00)
41221	211-179	XDAT1	0269	60			1,400	
							,	
	9. 00	ST ESTIMATES		T				
	ITEM		U/M	QUANT	TTY	UNIT COST		COST (\$000)
PRIMARY FACILITI	ES		~ ~					1,117
ADD TO B14 ALTER B14			SM SM		72	3,38 50		(582)
	AND ENERGY MEASURE	S	LS	1,02	23	30	0	(513) (22)
SUSTAINADILITT	AND ENERGT MEASURE	5	LS					(22)
SUPPORTING FACI	LITIES							147
UTILITIES			LS					(15)
PRIVATIZED UTIL	ITY CONNECTION		LS					(14)
SITE IMPROVEME	NTS		LS					(58)
ENVIRONMENTAI	_ MONITORING		LS					<u>(60)</u>
SUBTOTAL								1,263
CONTINGENCY (5	%)							(63)
TOTAL CONTRACT	COST							1,327
	SPECTION AND OVERHEA	AD (5.7%)						<u>(76)</u>
TOTAL REQUEST								1,402
TOTAL REQUEST (F	ROUNDED)							1,400
EQUIPMENT FROM (OTHER APPROPRIATIONS	(NON-ADD)						7
	F PROPOSED CONSTRUCT							
	1,025 SM of an existing fuel of							
	storage at Travis AFB. Constr							
	with split face concrete mason							
	utilities, site work, hoist and o ust also be able to withstand s							
	be designed as permanent con		-					-
	ral Building Requirements, an							
	oject will comply with DoD a							
Air Conditioning: 20 T	ons							
11. REQUIREMENT: 5,3	09 SM ADEQ	UATE: 4,112 S	М		5	SUBSTAN	NDARD: 1	,.025 SM
PROJECT: ADAL B14	Fuel Cell Hangar (New Miss	sion)						
REQUIREMENT: The	e Air Force designated Travis	AFB as the pr	eferre	d alterna	ative f	for the f	ourth KC	C-46A
1 0 1	MOB 4). Adequate space for	•				0	-	
	store fuel tanks used by the K							
	nd must be configured as an o	1				-		0 1
	tation carts. A large rollup do							
	el tanks storage area is a new i							
	wable fuel tanks. The tanks st lown time due to fuel system		ano'	w for ex	pedite	a repair	s or the	iuei system
	own time due to fuel system	mannenance.						
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1. COMPONENT

AIR FORCE

FY 2018 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

XDAT1026960

5. PROJECT NUMBER

3. INSTALLATION AND LOCATION

TRAVIS AIR FORCE BASE, CALIFORNIA

4. PROJECT TITLE

KC-46A ADAL B14 FUEL CELL HANGAR

<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.

<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.

<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.

<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.

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1. COMPONENT				2. DATE	
AIR FORCE	FY 2018 MILITARY CON	NSTRUCTION PROJEC	T DATA		
3. INSTALLATION ANI	D LOCATION				
TRAVIS AIR FORCE	E BASE, CALIFORNIA				
4. PROJECT TITLE			5. PROJECT	NUMBER	
KC-46A ADAL B14	FUEL CELL HANGAR		XD.	AT10269	960
12. SUPPLEMENTA	L DATA:				
a. Estimated Design					
(1) Status:	sign Startad				1 MAV 1'
(a) Date De (b) Paramet	tric Cost Estimates used to develo	on costs			1-MAY-17 YES
	Complete as of 01 JAN 2017	00 00313			0%
* (d) Date 35					1-OCT-17
	esign Complete				1-APR-18
(f) Energy	Study/Life-Cycle analysis was/w	ill be performed			YES
(2) Basis:					
. ,	d or Definitive Design – Design Was Most Recently Used	_			NC
(3) Total Cost ((c) = (a) + (b) or (d) + (e):				(\$000
	ion of Plans and Specifications				\$84
	er Design Costs				\$42
(c) Total					\$126
(d) Contrac (e) In-house					\$105 \$21
(4) Construction	n Contract Award				18 AUC
(5) Construction	1 Start				18 SEI
(6) Construction	n Completion				19 SEF
	pletion of Project Definition with nsure valid scope, cost and execu		which is comp	arable to	traditional
b. Equipment assoc	iated with this project provided f	from other appropriations:			
		PROCURING	FISCAL Y APPROPRI	ATED	COST
EQUIPMENT NO		APPROPRIATION	OR REQUE		(\$000)
	ONS EQUIPMENT TURES, & EQUIPMENT	3400 3400	2019 2019		1 6
		5400	2017		0
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1. COMPONENT						2. D	ATE	
AIR FORCE	FY 2018 MILITARY CO	ONSTRUCTIO	ON P	ROJEC	T DA'	ГА		
3. INSTALLATION AND I	OCATION	4. PROJECT T	TLE:					
TRAVIS AIR FORCE I	BASE, CALIFORNIA	KC-46A ALT	ER B	181/B18	85/B18	87 SQUAD	OPS/AMU	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT N	T NUMBER 8. PROJEC				T COST (\$000)	
41221	141-753	XDAT1	0269	62		6,4	400	
	9. CO	ST ESTIMATES						
	ITEM		U/M	QUANT	ITY	UNIT COST	COST (\$000)	
PRIMARY FACILITI ALTER BUILDING ALTER BUILDING ALTER BUILDING SUSTAINABILITY SUPPORTING FACII	181 (141-753) 185 (211-154) 187 (141-753) AND ENERGY MEASURE	S	SM SM SM LS	3,92 3,58 3,92	84	417 653 340	5,419 (1,638) (2,340) (1,335) (106) 333	
SITE IMPROVEME COMMUNICATION ENVIRONMENTAL	NTS VS		LS LS LS				(83) (57) <u>(193)</u>	
TOTAL REQUEST TOTAL REQUEST (F	COST SPECTION AND OVERHEA						5,752 (288) 6,040 (344) 6,384 6,400 48	
	5 PROPOSED CONSTRUCT 5 and 187 to provide adequat		adror	operati	ons an	d aircraft n	naintenance unit	
functions in support of walls, HVAC systems, plumbing systems and be designed as permane General Building Requ This project will compl Air Conditioning: 100	the KC-46A beddown at Tra- interior electrical systems, in all other supporting work nec- ent construction in accordance irements and UFC 1-200-02, y with DoD Antiterrorism/fo Fons	vis AFB. Alter terior lighting, sessary to make e with the DoD High Performa rce protection n	ation comr comj comj Unif	work in nunicatio plete and ied Faci and Susta	cludes ons inf l useat lities (ainable	reconfigui frastructure ole facilitie Criteria (UF Building J	ring interior e, interior s. Facilities will FC) 1-200-01, Requirements.	
<u>REQUIREMENT</u> : The main operating base (M administrative function both active duty and Ai the Total Force Integrat <u>CURRENT SITUATIO</u> maintenance unit admin <u>IMPACT IF NOT PRO</u>	ter B181/B185/B187 Squad (Air Force has designated Tr (OB 4). Adequate space for s s is required to support KC-4 r Force Reserve Component	avis AFB as th quadron operat 6A beddown at (ARC) personn ailable to supp TFI concept at lities for KC-46	e pref ions a t Trav el as ort K Trav 5A co	ferred alt and aircr vis AFB. KC-46A C-46A so is AFB. mmand a	ternati aft ma Space aircra quadro and co	intenance u e is necessa aft will be o on operation ontrol functi	ourth KC-46A unit ry to support operated under ns and aircraft ions will degrade	
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JUNE 2017

1. COMPONENT			2. DATE
AIR FORCE	FY 2018 MILITARY CO	STRUCTION PROJECT DATA	
3. INSTALLATION AND	LOCATION		
TRAVIS AIR FORCE	E BASE, CALIFORNIA		
4. PROJECT TITLE		5. PROJEC	CT NUMBER
	1/B185/B187 SQUAD OPS/AM		XDAT1026962
Additionally, efficier personnel will be for <u>ADDITIONAL</u> : Thi "Facility Requirement alternatives evaluation alteration is the most being prepared. 60th 42,270 SF; Alter Bui JOINT USE CERTIN	cies generated by TFI operations ed to operate from geographical project meets the applicable cri ts" and the KC-46A Facility Rec g status quo, alteration and new cost effective alternative which Air Mobility Wing Base Civil Ed ding 185: 3,584 SM = 38,578 SI	will not be fully realized as active du ly separated facilities. teria/scope specified in Air Force Mar uirements Plan. A preliminary analysic construction was accomplished. This neets mission requirements. A formal agineer: (707) 424-2492. Alter Buildir 7; Alter Building 187: 3,925 SM = 42, used by other components on an "as av	ty and ARC ual 32-1084, s of reasonable analysis indicated economic analysis is g 181: 3,927 SM = 248 SF.
DD Form 1391, DEC 9	9 (E-Form) PREVIOUS	DITIONS MAY BE USED INTERNALLY	PAGE NO.2

1. COMPONENT				2. DATE	
AIR FORCE	FY 2018 MILITARY CO	NSTRUCTION PROJEC	T DATA		
3. INSTALLATION AND	D LOCATION				
TRAVIS AIR FORCI	E BASE, CALIFORNIA				
4. PROJECT TITLE			5. PROJEC	Г NUMBER	
KC-46A ALTER B18	31/B185/B187 SQUAD OPS/AM	4U	XI	DAT10269	962
12. SUPPLEMENTA			·		
a. Estimated Design (1) Status:	n Data:				
(a) Date De	sign Started				1-MAY-17
(b) Paramet	tric Cost Estimates used to devel	op costs			YES
	Complete as of 01 JAN 2017				0%
* (d) Date 35					1-OCT-17
	sign Complete				1-APR-18
(f) Energy S	Study/Life-Cycle analysis was/w	all be performed			YES
(2) Basis:	l en Definition Design				NO
	d or Definitive Design – Design Was Most Recently Used	1 –			NO
	c) = (a) + (b) or (d) + (e):				(\$000)
	ion of Plans and Specifications er Design Costs				\$384 \$192
(c) Total	er Design Costs				\$576
(d) Contrac	t				\$480
(e) In-house					\$96
(4) Construction	Contract Award				18 AUG
(5) Construction	n Start				18 SEP
(6) Construction	a Completion				19 SEP
	pletion of Project Definition with some valid scope, cost and exect		which is com	parable to	traditional
b. Equipment assoc	iated with this project provided	from other appropriations:			
			FISCAL	YEAR	
		PROCURING	APPROPR		COST
EQUIPMENT NO	MENCLATURE	APPROPRIATION	OR REQU		(\$000)
COMMUNICATIO		3400	201		18
	TURES, & EQUIPMENT	3400	201		30
Form 1391, DEC 99	(F-Form)	EDITIONS MAY BE USED INTERNALL	v		PAGE NO.3

1. COMPONENT						2. DATI	Ξ
AIR FORCE	FY 2018 MILITARY CO	ONSTRUCTIO	ON PI	ROJEC '	T DATA		
3. INSTALLATION AND L	OCATION	4. PROJECT T	TLE:				
TRAVIS AIR FORCE BASE, CALIFORNIA KC-46A AIF				FT 3-BA	Y MAINTE	ENANCE	EHANGAR
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT N	UMBE	R	8. PROJECT	Г COST (\$	000)
41221	211-111	XDAT1	05193	30		107,00	0
	9. CO	ST ESTIMATES					
	ITEM		U/M	QUANT	ITY UNI COS		COST (\$000)
PRIMARY FACILITI MAINTENANCE HA SUSTAINABILITY		S	SM LS	16,19	93 4,8	45	80,024 (78,455) (1,569)
SITE IMPROVEMEN PAVEMENTS COMMUNICATION DEMOLITION ENVIRONMENTAL	ITY CONNECTION FEE NTS IS		LS LS LS LS SM LS	9,240	6 6	15	16,417 (800) (100) (3,539) (3,471) (2,761) (5,686) <u>(60)</u>
TOTAL REQUEST TOTAL REQUEST (R	COST PECTION AND OVERHEA COUNDED)						96,442 (4,822) 101,264 (5,772) 107,036 107,000
-	THER APPROPRIATIONS						330
10. DESCRIPTION OF PROPOSED CONSTRUCTION: 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							
11. REQUIREMENT: 16,1 PROJECT: KC-46A Ai		QUATE: 0 angar (New Mi	ssion		SUBSTAND	OARD: 9,24	46 SM
<u>PROJECT:</u> KC-46A Aircraft 3-Bay Maintenance 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). 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,							
DD Form 1391, DEC 99 (E-Form) PREVIOUS	S EDITIONS MAY BE	USED IN	NTERNALLY	1		PAGE NO.1

1. COMPONENT

AIR FORCE

FY 2018 MILITARY CONSTRUCTION PROJECT DATA

2. DATE

3. INSTALLATION AND LOCATION

TRAVIS AIR FORCE BASE, CALIFORNIA

4. PROJECT TITLE	5. PROJECT NUMBER		
KC-46A AIRCRAFT 3-BAY MAINTENANCE HANGAR	XDAT1051930		
repair, maintenance & replacement of aircraft components including aircraft land	ing gear, electronic components		
and structural repairs.			
CUPPENT SITUATION: The KC 46A is a new aircraft replacing the current fl	eet of aging refueling aircraft in		

<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.

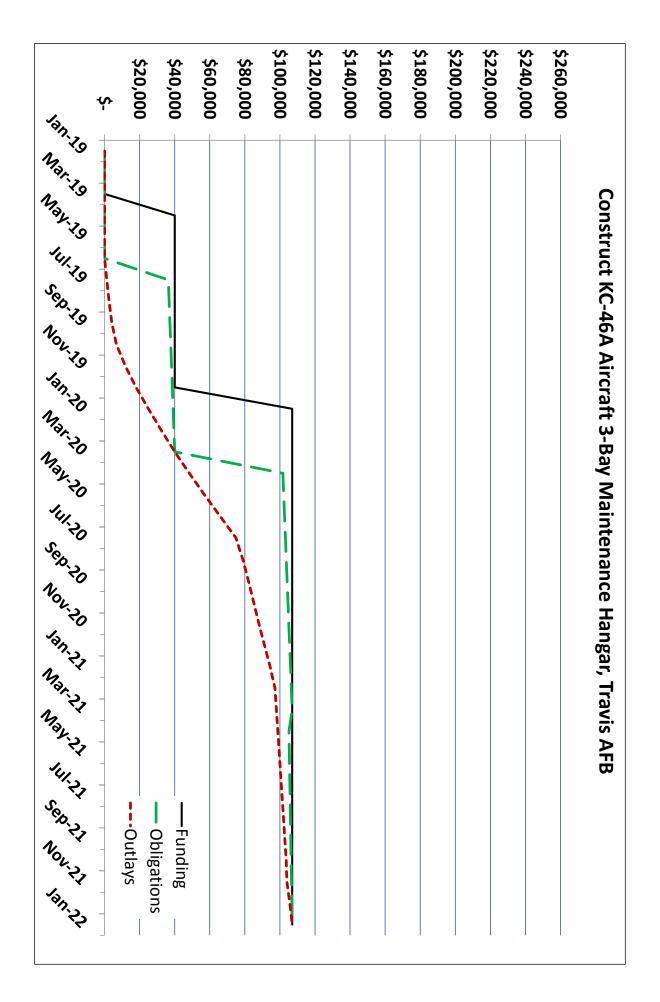
<u>IMPACT IF NOT PROVIDED</u>: Adequate facilities will not be available to perform essential daily maintenance, repairs, and sortie generation for the KC-46A aircraft. Required maintenance activities will be performed outdoors exposing sensitive aircraft components to corrosion and damage from the elements. This situation would negatively impact critical air-refueling operations will degrade aircraft mission readiness.

<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.

<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.

DD Form 1391, DEC 99 (E-Form)

1. COMPONENT				2. DATE	
AIR FORCE	FY 2018 MILITARY CO	NSTRUCTION PROJECT	Г ДАТА		
3. INSTALLATION ANI	DLOCATION				
TRAVIS AIR FORCE	E BASE, CALIFORNIA				
4. PROJECT TITLE			5. PROJECT	r number	ł
KC-46A AIRCRAFT	3-BAY MAINTENANCE HAN	IGAR	XI	DAT1051	930
12. SUPPLEMENTA					
a. Estimated Design (1) Status:	i Data:				
(a) Date De	sign Started				1-MAY-17
	ric Cost Estimates used to devel	op costs			YES
	Complete as of 01 JAN 2017				0%
* (d) Date 35	% Designed sign Complete				1-NOV-17 1-APR-18
	Study/Life-Cycle analysis was/w	ill be performed			YES
(2) Basis:					
	d or Definitive Design –				YES
(b) Where I	Design Was Most Recently Used	[McConnell
(3) Total Cost (d	(a) = (a) + (b) or (d) + (e):				(\$000)
	ion of Plans and Specifications				\$6,420
	er Design Costs				\$3,210
(c) Total(d) Contrac	t				\$9,630 \$8,025
(e) In-house					\$1,605
(4) Construction	Contract Award				18 AUG
(5) Construction	n Start				18 SEP
(6) Construction	Completion				21 SEP
	pletion of Project Definition with nsure valid scope, cost and execu		which is com	parable to	o traditional
b. Equipment assoc	iated with this project provided t	from other appropriations:			
EQUIPMENT NO		PROCURING	FISCAL APPROPR OR REQU	IATED	COST (\$000)
	DNS EQUIPMENT	3400	202		30
	TURES, & EQUIPMENT	3400	202		300
D Form 1391, DEC 99	(E-Form) PREVIOUS	EDITIONS MAY BE USED INTERNALLY	,		PAGE NO.3



3. INSTALLATION AND LOCATION JOINT BASE MCGUIRE DIX LAKEHURST 4. COMMAND AIR MOBILITY COMMAND 5. AREA CONSTRUCTION COST INDEX 1.21 AIR MOBILITY COMMAND AIR MOBILITY COMMAND 1.21 6. PERSONNEL (1) PERMANENT (2) STUDENTS (3) SUPPORTED TOTAL a. AS OF 30-Sep-16 526 3614 727 450 2909 0 660 3157 296 12 b. END FY 2022 508 3497 726 439 2819 0 21 4400 190 12 7. INVENTORY DATA (\$000) 3.660 3.660 5. AUTHORIZATION NOT YET IN INVENTORY 1.61 141 14400 190 12 d. AUTHORIZATION NOT YET IN INVENTORY 1.61 146 146 146 146 e. PLANNED IN NEXT FOUR PROGRAM (FY 2018) 54 54 3,109 3.109 8. PROJECTS REQUESTED IN THIS PROGRAM (FY 2018) 54 3,109 3.109 8. PROJECTS REQUESTED IN THIS PROGRAM (FY 2018) 51,789 SM 17,000 05/17 04/1 113-321 KC-46A Alter Apron & Fuel Hydrants 21,789 SM 17,000 05/17 04/1 <th>1. COMPONENT</th> <th>ORCE</th> <th></th> <th>FY 20</th> <th colspan="6">FY 2018 MILITARY CONSTRUCTION PROGRAM</th> <th>2. DATE</th> <th colspan="3">2. DATE (YYYMMDD) 20160930</th>	1. COMPONENT	ORCE		FY 20	FY 2018 MILITARY CONSTRUCTION PROGRAM						2. DATE	2. DATE (YYYMMDD) 20160930		
JOLINT BASE MCGUILED LIX LAKGENURST NIR MOBILITY COMMAND COST NDEX 1.10 1.10 1.10 0. FERSONNEL (1) PERMANENT (2) STUDENTS (3) SUPPORTED (1) TOTAL 1.10 0. KND FY 2022 508 3614 727 439 2019 0 660 3157 296 122 0. KND FY 2022 508 3497 726 439 2019 0 21 4400 190 122 0. KND FY 2022 508 3497 726 439 2019 0 21 4400 190 122 1. NUMENTORY DATA (8007 (3)	3. INSTALLATION AND L	OCATION		4. COMMAND										
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OPECATION OPECATION <t< th=""><th>NEW JERSEY</th><th></th><th></th><th></th><th></th><th>AIR MOR</th><th>SILLI (</th><th>, OMMAN D</th><th>,</th><th></th><th></th><th>1.21</th><th></th></t<>	NEW JERSEY					AIR MOR	SILLI (, OMMAN D	,			1.21		
a. AS OF 30-Sep-16 50 310-Sep-16 50 314 72 450 2010 0 60 10 12 256 12 b. END FY 2022 508 3497 726 433 2819 0 21 4400 190 12 a. TOTAL ACREAGE 3,60	6. PERSONNEL		. ,						1-7			то	TAL	
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NVENTORY DATA (\$000) Control Contro <thcontro< th=""> <thcontrol< th=""></thcontrol<></thcontro<>		*											12,55	
a. TOTAL ACREAGE 3,650 b. INVENTORY TOTAL AS OF 30-38p-16 2,746 c. AUTHORIZATION NOT YET IN INVENTORY 141 d. AUTHORIZATION NEQUESTED IN THIS PROGRAM (FY 2018) 146 e. PLANNED IN NEXT FOUR PROGRAM YEARS (FY 2019-2022) 34 g. GRAND TOTAL 34 g. GRAND TOTAL 34 g. GRAND TOTAL 3109 3. PROJECTS REQUESTED IN THIS PROGRAM (FY 2018) 0 113-321 KC-46A AIDER PROGRAM (FY 2018) 0 113-321 KC-46A AIDER PROR & EUE Hydrants 21,789 SM 17,000 113-321 KC-46A AIDER PROR & EUE Hydrants 21,789 SM 17,000 05/17 114-753 KC-46A AIDL B1749 POR AFDL & LST Servicing 458 SM 2,000 05/17 04/1 114-752 KC-46A AIDL B1749 POR AFDL & LST Servicing 458 SM 6,100 05/17 04/1 171-1618 KC-46A AIDL B179 POR AFDL & LST Servicing 458 SM 6,100 05/17 04/1 171-162 KC-46A AIDL B139 POR DOR OPERAT TRIAING PARADIN B1,000 05/17 04/1 011-11 01111 011			508	3497	/26	439	2819	U	21	4400	190		12,60	
b. INVENTORY TOTAL AS OF 30-sep-16 2,746 c. AUTHORIZATION NOT YET IN INVENTORY 161 d. AUTHORIZATION NEQUESTED IN THIS PROGRAM (FY 2018) 146 e. PLANNED IN NEXT FOUR PROGRAM YEARS (FY 2019-2022) 1 f. REMAINING DEFICIENCY 354 g. GRAND TOTAL 3,109 PROJECTS REQUESTED IN THIS PROGRAM (FY 2018) 6. OCST c. ACTEGORY 6. ODESIGN STATUS (1) CODE (2) PROJECT TITLE (3) SCOPE (1) CODE (2) PROJECT TITLE (3) SCOPE (1) 111-331 IX (C-46A Alter Apron & Fuel Hydrants 21,789 SM 17,000 141-753 IX (C-46A Alter Bldgs For Ops and TFI AMU-AMXS 11,740 SM 9,000 05/17 04/1 141-753 IX (C-46A Alter Bldgs For Grund Equipment Storage 1,458 SM 4,100 05/17 04/1 171-292 IX (C-46A ADAL B2324 Regional MX Training Fac 2,366 SM 18,000 05/17 04/1 171-125 IX (C-46A ALter B3209 For Dusclage Trainer 784 SM 3,300 05/17 04/1 171-125 IX (C-46A Alter B3209 For Dusclage Trainer 784 SM 2,300 05/17 04/1		,00)	3,660											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM (FY 2018) 146 e. PLANNED IN NEXT FOUR PROGRAM YEARS (FY 2019-2022) 54 f. REMAINING DEFICIENCY 54 g. GRAND TOTAL 3,109 PROJECTS REQUESTED IN THIS PROGRAM (FY 2018) 6. OCST c. ATEGORY (1) STATUS (1) CODE (2) PROJECT TITLE (3) SCOPE (1) CODE (2) PROJECT TITLE (3) SCOPE (1) TITLE (3) SCOPE (1) STATUS (1) TATAS (C-46A Alter Raynon & Fuel Hydrants 21,789 SM 17,000 05/17 04/1 141-753 KC-46A Alter Bldgs For Ops and TFL AWU-AMXS 11,740 SM 9,000 05/17 04/1 141-753 KC-46A ADAL B1749 For ATGL & LST Servicing 458 SM 4,100 05/17 04/1 171-22 KC-46A ADAL B2319 For Boom Operator Training 945 SM 6,100 05/17 04/1 171-22 KC-46A ADAL B2324 Regional MK Training Fac 2,386 SM 18,000 05/17 04/1 171-125 KC-46A ADAL B137 For Body Tanks Storage 201 SM 2,000 05/17 04/1 </td <td></td> <th>L AS OF</th> <td></td> <td>-16</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2,746,95</td>		L AS OF		-16									2,746,95	
e. PLANNED IN NEXT FOUR PROGRAM YEARS (FY 2019-2022)			VENTOR	Y									161,10	
e. PLANNED IN NEXT FOUR PROGRAM YEARS (FY 2019-2022)	d. AUTHORIZATION F	REQUESTED IN	N THIS P	ROGRAM	(FY 201	8)							146,50	
g. GRAND TOTAL 3, 109 c. PROJECTS REQUESTED IN THIS PROGRAM (FY 2018) 6, 000 a. CATEGORY (3) SCOPE (\$000) (1) CODE (2) PROJECT TITLE (3) SCOPE (1) CODE (2) PROJECT TITLE (3) SCOPE (1) CODE (2) PROJECT TITLE (3) SCOPE (1) START (2) COMP 111-753 KC-46A Alter Altor Bidgs For Ops and TFI AMU-AWXS 11,740 SM 9,000 05/17 04/1 141-753 KC-46A Alter Bidgs For Ops and TFI AMU-AWXS 11,740 SM 9,000 05/17 04/1 141-753 KC-46A Alter Bidgs For Ops and TFI AMU-AWXS 11,740 SM 9,000 05/17 04/1 141-753 KC-46A Alter Bidgs For AGGL & LST Servicing 458 SM 2,000 05/17 04/1 141-763 KC-46A Alter Bidgs For Boom Operator Training 945 SM 6,100 05/17 04/1 171-618 KC-46A Alter Bidgs For Boom Operator Training Fac 2,385 SM 18,000 05/17 04/1 121-111 KC-46A Alter Bidgs For Bodg Tanks Storage 201 SM 3,300 05/17 04/1 218-712 KC-46A Alter Pacilitites for Maint														
IPROJECTS REQUESTED IN THIS PROGRAM (FY 2018) Image: column a constraint of the state of the st	f. REMAINING DEFIC	IENCY				,							54,50	
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Interview Interview <t< td=""><td></td><th></th><td></td><td></td><td></td><td></td><td></td><td>21,789</td><td>SM</td><td>17,</td><td>000</td><td>05/17</td><td>04/18</td></t<>								21,789	SM	17,	000	05/17	04/18	
145-921 KC-46A Aerospace Ground Equipment Storage 1,858 SM 4,100 05/17 04/1 171-292 KC-46A ADL B2319 For Boom Operator Training 945 SM 6,100 05/17 04/1 171-618 KC-46A ADL B2324 Regional MX Training Fac 2,386 SM 18,000 05/17 04/1 171-625 KC-46A Alter B3209 For Fuselage Trainer 784 SM 3,300 05/17 04/1 111-152 KC-46A Alter Facilities for Maintenance 4,794 SM 5,800 05/17 04/1 211-152 KC-46A Add to B1837 For Body Tanks Storage 201 SM 2,300 05/17 04/1 211-79 KC-46A Add to B1837 For Supply 4,085 SM 6,900 05/17 04/1 218-712 KC-46A ADAL B1816 For Supply 4,085 SM 6,900 05/17 04/1 218-712 KC-46A ADAL B1816 For Supply 4,085 SM 6,900 05/17 04/1 218-712 KC-46A ADAL B1816 For Supply 4,085 SM 6,900 05/17 04/1 218-712 KC-46A ADAL B1816 For Supply 146,500 50 146,500 146,500 Magastair <t< td=""><td></td><th>2</th><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td>04/18</td></t<>		2	1							-			04/18	
FUTURE PROJECTS TOTAL 0 171-292 KC-46A ADAL B2319 For Boom Operator Training Fac 2,386 SM 18,000 05/17 04/1 171-618 KC-46A ADLE B2324 Regional MX Training Fac 2,386 SM 18,000 05/17 04/1 171-628 KC-46A ADLE B3209 For Fuselage Trainer 784 SM 3,300 05/17 04/1 171-625 KC-46A Alter B3209 For Fuselage Trainer 784 SM 3,300 05/17 04/1 211-111 KC-46A Alter Facilities for Maintenance 4,794 SM 5,800 05/17 04/1 218-712 KC-46A ADL B1816 For Supply 4,085 SM 6,900 05/17 04/1 218-712 KC-46A ADL B1816 For Supply 4,085 SM 6,900 05/17 04/1 18-712 KC-46A ADL B1816 For Supply 4,085 SM 6,900 05/17 04/1 TOTAL 146,500 FUTURE PROJECTS TOTAL 0 Store KALLER FOUR PROGRAM YEARS (FY2019 - FY2022) FUTURE PROJECTS TOTAL 0 Store KALLER FOUR PROGRAM YEARS (FY2019 - FY2022) FOTAL 14.6										-			04/18	
Total BC-46A ADAL B2324 Regional MX Training Fac 2,386 SM 18,000 05/17 04/1 171-625 KC-46A Alter B3209 For Fuselage Trainer 784 SM 3,300 05/17 04/1 211-111 KC-46A Alter B3209 For Fuselage Trainer 784 SM 3,300 05/17 04/1 211-111 KC-46A Alter Facilities for Maintenance 4,794 SM 5,800 05/17 04/1 211-12 KC-46A Alter Facilities for Maintenance 4,794 SM 5,800 05/17 04/1 211-179 KC-46A Add to B1837 For Body Tanks Storage 201 SM 2,300 05/17 04/1 211-179 KC-46A ADAL B1816 For Supply 4,085 SM 6,900 05/17 04/1 218-712 KC-46A ADAL B1816 For Supply 4,085 SM 6,900 05/17 04/1 2. FUTURE PROJECTS IN NEXT FOUR PROGRAM YEARS (FY2019 - FY2022) TOTAL 146,500 146,500 FUTURE PROJECTS TOTAL 0 Colspan="2">Store (SM 14.6 Inter Four Provide Pr								-					04/18	
171-625 KC-46A Alter B3209 For Fuselage Trainer 784 SM 3,300 05/17 04/1 211-111 KC-46A Two-Bay General Purpose MX Hangar 8,402 SM 72,000 05/17 04/1 211-112 KC-46A Alter Facilities for Maintenance 4,794 SM 5,800 05/17 04/1 211-179 KC-46A Add to B1837 For Body Tanks Storage 201 SM 2,300 05/17 04/1 218-712 KC-46A Add to B1837 For Body Tanks Storage 201 SM 2,300 05/17 04/1 218-712 KC-46A Add to B1837 For Supply 4,085 SM 6,900 05/17 04/1 218-712 KC-46A ADAL B1816 For Supply 4,085 SM 6,900 05/17 04/1 218-712 KC-46A ADAL B1816 FOR Supply 4,085 SM 6,900 05/17 04/1 218-712 KC-46A ADAL B1816 FOR Supply FY2022) TOTAL 146,500 FUTURE PROJECTS TOTAL 0 Colspan="4">Supply TOTAL 16													04/18	
211-111 KC-46A Two-Bay General Purpose MX Hangar 8,402 SM 72,000 05/17 04/1 211-152 KC-46A Alter Facilities for Maintenance 4,794 SM 5,800 05/17 04/1 211-179 KC-46A Alter Facilities for Maintenance 4,794 SM 5,800 05/17 04/1 211-179 KC-46A Add to B1837 For Body Tanks Storage 201 SM 2,300 05/17 04/1 218-712 KC-46A ADAL B1816 For Supply 4,085 SM 6,900 05/17 04/1 At comparison of the Add to B1837 For Body Tanks Storage TOTAL 146,500 0 0 5. FUTURE PROJECTS IN NEXT FOUR PROGRAM YEARS (FY2019 - FY2022) FUTURE PROJECTS TOTAL 0 0 Remumber of the Add to B1837 For Body Tanks Storage OTTAL 14.6 Item Repose for Major Functions TOTAL 14.6 OTTAL 14.6 Item McGuire consists of the Air Mobility Warfare Center, 21st Expeditionary Mobility Task Force, 305th Air Mobility Mobility Center		2			2									
211-152 KC-46A Alter Facilities for Maintenance 4,794 SM 5,800 05/17 04/1 211-179 KC-46A Add to B1837 For Body Tanks Storage 201 SM 2,300 05/17 04/1 218-712 KC-46A ADAL B1816 For Supply 4,085 SM 6,900 05/17 04/1 218-712 KC-46A ADAL B1816 For Supply 4,085 SM 6,900 05/17 04/1 20 KC-46A ADAL B1816 For Supply 4,085 SM 6,900 05/17 04/1 20 FUTURE PROJECTS IN NEXT FOUR PROGRAM YEARS (FY2019 - FY2022) TOTAL 146,500 0 21 FUTURE PROJECTS TOTAL 0 0 14.6 0 28 MUNFUNDED REQUIREMENT (\$M) TOTAL 14.6 14.6 14.6 10. MISSION OR MAJOR FUNCTIONS TOTAL 14.6 14.6 14.6									-	-				
211-179 KC-46A Add to B1837 For Body Tanks Storage 201 SM 2,300 05/17 04/1 218-712 KC-46A ADAL B1816 For Supply 4,085 SM 6,900 05/17 04/1 TOTAL 146,500 FUTURE PROJECTS IN NEXT FOUR PROGRAM YEARS (FY2019 - FY2022) FUTURE PROJECTS TOTAL 0 TOTAL 146,500 TOTAL 14.6 IO MISSION OR MAJOR FUNCTIONS		2												
218-712 KC-46A ADAL B1816 For Supply 4,085 SM 6,900 05/17 04/1 TOTAL 146,500 FUTURE PROJECTS IN NEXT FOUR PROGRAM YEARS (FY2019 - FY2022) FUTURE PROJECTS TOTAL 0 R&M UNFUNDED REQUIREMENT (\$M) TOTAL 14.6 IOTAL 14.6 IOTAL 14.6 IOTAL 14.6 TOTAL 14.6 IOTAL 14.6														
TOTAL 146,500 TOTAL 146,500 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 Mobi.	-			Tanks	JEOLAGE									
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 Mobi.	210 /12 10 1011 11511	L DIGIG IGI	ouppry					1,000				03/1/	04/10	
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 Mobi.									S TOTAL					
10. MISSION OR MAJOR FUNCTIONS Team McGuire consists of the Air Mobility Warfare Center, 21st Expeditionary Mobility Task Force, 305th Air Mobi.						FU		OJECT			-			
Team McGuire consists of the Air Mobility Warfare Center, 21st Expeditionary Mobility Task Force, 305th Air Mobi		<u>, , , , , , , , , , , , , , , , , , , </u>							IOIND	14				

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		FY 2018 MIL	ITARY CONSTRU	CTION	PROJECT DA	TA	2. DATE
AIR FORCE			(computer gen	erate	d)		
3. INSTALLATION	, SIT	E AND LOCATION		4. PF	OJECT TITL	E	- 1
JB MCGUIRE-DIX-	LAKEH	URST		KC-46	A ADAL B23	L9 FOR BOOM OF	PERATOR
MCGUIRE AFB NEW JERSEY				TRAIN	IER		
5. PROGRAM ELEM	ENT	6. CATEGORY CODE	7. RPSUID/P	ROJECI	NUMBER	8. PROJECT	COST (\$000)
41221		171-212	2795/1	PTFL16	3001		5,100
		9.	COST ESTIMA	TES			
						UNIT	COST
		ITEM		U/M	QUANTITY		(\$000)
PRIMARY FACILIT	ES						4,365
ADD TO BLDG 23	19			SM	285	9,950	(2,836)
ALTER BLDG 231	9 FOR	1 BOT		SM	195	5,900	(1,151)
ALTER BLDG 231	9 FOR	2 WST		SM	465	630	(293)
SUSTAINABILITY	AND H	ENERGY MEASURES		LS			(86)
SUPPORTING FACIN	LITIES						1,089
UTILITIES				LS			(338)
SITE IMPROVEME	NTS			LS			(32)
PAVEMENTS				LS			(599)
COMMUNICATIONS				LS			(120)
SUBTOTAL							5,454
CONTINGENCY	(5	.0%)					273
TOTAL CONTRACT (COST					-	5,726
SUPERVISION, INS	SPECTI	ON AND OVERHEAD	(5.7%)				326
TOTAL REQUEST						-	6,053
TOTAL REQUEST (F	ROUNDE	D)					6,100
EQUIPMENT FROM (THER	APPROPRIATIONS (NON	1-ADD)				(30,056.0)
10. Descripti	on of	Proposed Constru	uction: Alt	ter b	uilding 23	19 and cons	truct an
		one Boom Operator	•				
		the KC-46A beddo					
		nclude reinforceo ncrete accent ext					-
		facility. Alterat			-	-	
	-	enable installat				-	-
includes reloc	atior	of a parking lot	t and ancil	lary :	pavements,	relocation	of a fuel
		te improvements,					
-		mezzanine and a	-		-	_	make a
-		e facility. Facil ordance with the			-	-) 1-200-01
		quirements and U					
Building Requi	remer	ts. This project	will comply	y wit	h DoD anti	terrorism/f	orce
protection req	uirem	ents per UFC 4-10	01-01.				
Air Conditioni	ng:	50 Tons					
11. Requiremen	t: 30	82 SM Adequate	e: 2137 SM	Su	bstandard:	660 SM	
PROJECT: KC-4	6A AI	DAL B2319 for Boo	m Operator '	Irain	er (New Mi	ission)	
~		ir Force has desi	-		-		
		lain Operating Bas		_	_		
wsr equipment	ıs ne	cessary to suppor	rt proficien	ncy t	raining fo	or KC-46A fl	ignt crews.
DD FORM 1391,	DEC 9	9 Previo	ous editions	are	obsolete.		Page No.

1. COMPONENT	FY 2018 MILI	FY 2018 MILITARY CONSTRUCTION PROJECT DATA				
AIR FORCE	(
3. INSTALLATION JB MCGUIRE-DIX- MCGUIRE AFB NEW JERSEY	, SITE AND LOCATION LAKEHURST	4. PROJECT TITL KC-46A ADAL B23 TRAINER	-	RATOR		
5. PROGRAM ELEM	ENT 6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT CC	DST (\$000)		

2795/PTFL163001

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.

171-212

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.

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.

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.

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.

41221

6,100

. INSTALLATION AND LO	CATION		4. PROJECT	TITLE	
B MCGUIRE-DIX-LAKEHUR CGUIRE AFB EW JERSEY	ST		KC-46A ADAL TRAINER	B2319 FOR 1	BOOM OPERATO
. PROGRAM ELEMENT	6. CATEGORY COL	DE 7. PRO	JECT NUMBER	8. PROJECT	COST (\$000)
41221	171-212	2795/	PTFL163001		6,100
2. SUPPLEMENTAL DATA:					
a. Estimated Design	Data:				
(1) Status:					
(a) Date Design					01-MAY-17
	Cost Estimates		evelop costs		YES
* (c) Percent Con	-	JAN 2017			0 %
* (d) Date 35% De	-				01-OCT-17
(e) Date Design	-				01-APR-18
(f) Energy Stud	ly/Life-Cycle an	alysis was	s/will be per	rformed	YES
(2) Basis:					
(a) Standard or	Definitive Des	ign -			YES
(b) Where Desig	n Was Most Rece	ntly Used	-		McConnell
(3) Total Cost (c)	= (a) + (b) or	(d) + (e)	:		(\$000)
(a) Production	of Plans and Sp	ecificatio	ons		366
(b) All Other I	esign Costs				183
(c) Total					549
(d) Contract					458
(e) In-house					92
(4) Construction C	ontract Award				18 AUG
(5) Construction S	tart				18 SEP
(6) Construction C	ompletion				20 MAR
* Indicates comple which is compare cost and execute	ble to traditio				
b. Equipment associa	ted with this p	roject pro	ovided from a	other approp	riations:
EQUIPMENT NOMENCL	ATURE	PROCURIN APPROPRIAT	G APPRO	AL YEAR)PRIATED SQUESTED	COST (\$000)
KC-46A FLIGHT TRA	INING DEVICES	3010	2	2018	30,000
COMMUNICATIONS EQ	UIPMENT	3400	2	2019	11
FURNITURE FIXTURE	S EQUIPMENT	3400	2	2019	45

1. COMPONENT			ITARY CONSTRU			ГА	2. DATE
AIR FORCE			(computer gen	erate	d)		
3. INSTALLATION	, SITE	E AND LOCATION		4. PH	ROJECT TITLE	:	
JB MCGUIRE-DIX-	LAKEHU	JRST		KC-46	A ALTER APR	ON & FUEL HYI	DRANTS
MCGUIRE AFB NEW JERSEY							
5. PROGRAM ELEMI	INT	6. CATEGORY CODE	7. RPSUID/PI	ROJECI	NUMBER	8. PROJECT	COST (\$000)
41221	41221 113-321 2795/P				3003	1	7,000
		9.	COST ESTIMA	TES			
						UNIT	COST
		ITEM		U/M	QUANTITY		(\$000)
PRIMARY FACILITI	ES						15,431
FUEL SYSTEM REI	OCATE	HYDRANTS (121-122)	OL	15	201,333	(3,020
ALTER APRON (11	3-321	.)		SM	21,774	570	(12,411
SUPPORTING FACIL	ITIES						100
APRON STRIPING				LS			(100)
SUBTOTAL							15,531
CONTINGENCY	(5	.0%)					777
TOTAL CONTRACT C	OST					-	16,308
SUPERVISION, INS	PECTI	ON AND OVERHEAD	(5.7%)				930
TOTAL REQUEST							17,237
TOTAL REQUEST (R	OUNDE	D)					17,000
pavements and s at Joint Base I reconfiguration infrastructure pavement strip: supporting worl be designed as Criteria (UFC) Performance and	Euel AcGui and ing, c nec perm 1- 2 d Sus ism/f	Proposed Constru- hydrants as requi- re-Dix-Lakehurst aircraft fuel hyd- apron pavement to installation of r essary to make a anent construction 00-01, General Bu- tainable Building orce protection = 0 Tons	ired to supp (JBMDL). Co drant pits a o support Ko nose gear mo complete an on in accord uilding Requ g Requirement	port onstr as we C-46A porin ad us lance uirem ats.	the beddown uction wil ll as asso aircraft. g points a eable faci with the ents and U This proje	n of KC-46A l include t ciated fuel The projec nd all other lity. Facil DoD Unified FC 1-200-02 ct will com	aircraft he t includes r ities will Facilities , High
11. Requirement	: 15	OL Adequate:	0 OL Sul	ostan	dard: 15 0	L	
PROJECT: KC-4	6A, A	lter Aircraft Ap	ron and Fue	l Hyd	rants (New	Mission)	
the fourth KC-4 for the direct apron. The new	46A M fuel v mis	ir Force has des: ain Operating Bas ing of aircraft a sion beddown of t	se (MOB 4). at specific the KC-46A r	Hydr fuel nulti	ant fuel s ing points -role tank	ystems are : on the air er demands ;	required craft a
-		the hydrants on t	-		_		
CURRENT SITUAT		-		hydr	ant system	is not pro	perly
configured to a	Juppo	rt KC-46A aircra	IC.				

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	FY 2018 MILITARY CONSTRUCTION PROJECT DATA				2. DATE	
AIR FORCE		(computer generated)				
3. INSTALLATION	a. INSTALLATION, SITE AND LOCATION 4. PROJECT TITLE					
JB MCGUIRE-DIX- MCGUIRE AFB NEW JERSEY	X-LAKEHURST KC-46A ALTER APRON & FUEL HYDR				LANTS	
5. PROGRAM ELEM	ENT 6. CATEGORY	CODE 7. RPSUID/1	PROJECT NUMBER	8. PROJECT CC	OST (\$000)	
41221	113-32	21 2795,	PTFL163003	17	,000	

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.

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.

1. COMPONENT		FY 2018 MILITARY C	ONSTRUC	TION PROJECT	DATA	2. DATE
AIR FORCE		(compute	er gene	rated)		
3. INSTALLATI	ON AND I	LOCATION		4. PROJECT	FITLE	
JB MCGUIRE-DI MCGUIRE AFB NEW JERSEY	X-LAKEHU	JRST		KC-46A ALTE	R APRON & FUEI	HYDRANTS
5. PROGRAM EL	EMENT	6. CATEGORY CODE	7. PRO	JECT NUMBER	8. PROJECT CC	ST (\$000)
41221		113-321	2795/	PTFL163003		000
12. SUPPLEMEN	TAL DAT	A:				
a. Estimate	ed Design	n Data:				
(1) Statu	is:					
		gn Started			01	-MAY-17
		c Cost Estimates use		evelop costs		YES
		omplete as of 01 JAN	1 2017			0 %
. ,		Designed				-OCT-17
	-	gn Complete				-APR-18
		udy/Life-Cycle analy	rsis was	s/will be per	formed	YES
(2) Basis		or Definitive Design				NO
		ign Was Most Recentl		-		NO
(3) Total	. Cost (d	(a) = (a) + (b) or (d) + (e)):		(\$000)
		n of Plans and Speci				1,440
		Design Costs				720
(c) To	otal					2,160
(d) Co	ontract					1,800
(e) Ir	n-house					360
(4) Const	ruction	Contract Award				18 AUG
(5) Const	ruction	Start				18 SEP
(6) Const	ruction	Completion				20 MAR
which i cost an	is compan nd execut	letion of Project De rable to traditional tability.	. 35% de	esign to ensu	re valid scop	e,
b. Equipmer N/A	nt assoc:	iated with this pro	ect pro	ovided from c	other appropri	ations:
DD FORM 1391, 1	DEC 99	Previous ed	itions	are obsolete.	. P	age No.

1. COMPONENT		FY 2018 MILI	TARY CONSTRU	CTION	PROJECT DA	TA	2. DATE
AIR FORCE		((computer gen	erate	d)		
3. INSTALLATION	, SITI	E AND LOCATION		4. PF	OJECT TITL	Ξ	
JB MCGUIRE-DIX- MCGUIRE AFB NEW JERSEY	LAKEH	URST		KC-46	A ADAL B232	24 REGIONAL MX	TRAINING FAC
5. PROGRAM ELEM	ENT	6. CATEGORY CODE	7. RPSUID/PF	ROJECI	NUMBER	8. PROJECT (COST (\$000)
41221		171-618	2795/1	TFL16	3005	1	8,000
		9.	COST ESTIMA	TES	1		
		ITEM		U/M	QUANTITY	UNIT	COST
		1100			20111111		(\$000)
PRIMARY FACILIT	ES						12,704
ADD TO B2324				SM	1,932	6,000	(11,592)
ALTER B2324				SM	454	1,900	(863)
SUSTAINABILITY	AND H	ENERGY MEASURES		LS			(249)
SUPPORTING FACII	ITIES						3,408
UTILITIES				LS			(726)
SITE IMPROVEME	NTS			LS			(526)
PAVEMENTS				LS			(1,731)
COMMUNICATIONS				LS			(425)
SUBTOTAL							16,112
CONTINGENCY	(5	.0%)					806
TOTAL CONTRACT (COST					=	16,917
SUPERVISION, INS	SPECTI	ON AND OVERHEAD	(5.7%)				964
TOTAL REQUEST						-	17,882
TOTAL REQUEST (F	ROUNDE	D)					18,000
EQUIPMENT FROM (THER	APPROPRIATIONS (NON	I-ADD)				(141,660.0)
10. Descripti	on of	Proposed Constru	action: ADA	L bu	ilding 232	4 to provide	a
-		e Training Facili					
		kehurst (JBMDL).					-
		e floor slab, stru erior and a stand					
		provements, paveme	-				
-	-	ork necessary to m	-				
will be design	ed as	permanent constr	ruction in a	accor	dance with	the DoD Uni	lfied
		(UFC) 1-200-01,					
		d Sustainable Bui ism/force protect					ll comply
		_	LION LEGUILE		s per orc	4-010-01 .	
Air Conditioni 11. Requiremen	-	50 Tons	e: 2841 SM	C11	bstandard:	454 GM	
-		-					()
		OAL B2324 Regional			-		-
		ir Force designat Operating Base (M			-		
		ssrooms and train			_	_	-
_		l hands-on trainin	-			—	
		ls and permit the	e practice o	of pr	oper proce	dures applic	cable to
KC-46A aircraf	-						
CURRENT SITUAT JBMDL large en		The KC-46A is a to house required					
DD FORM 1391, 1	DEC 9	9 Previo	ous editions	are	obsolete.		Page No.

1. COMPONENT	FY 2018 MIL	FY 2018 MILITARY CONSTRUCTION PROJECT DATA					
AIR FORCE							
3. INSTALLATION	, SITE AND LOCATION	4. PROJECT TITI	4. PROJECT TITLE				
JB MCGUIRE-DIX-	LAKEHURST	KC-46A ADAL B23	24 REGIONAL MX TRAINING FAC				
MCGUIRE AFB							
NEW JERSEY							
5. PROGRAM ELEM	ENT 6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST (\$000)				
41221	171-618	2795/PTFL163005	18,000				

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.

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.

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.

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.

. INSTALLATION AND LO			PROJECT					
B MCGUIRE-DIX-LAKEHUR CGUIRE AFB EW JERSEY	ST		(C-46A ADAL FRAINING FA	B2324 REGIC C	ONAL MX			
. PROGRAM ELEMENT	6. CATEGORY COD	CODE 7. PROJECT NUMBER		ROJECT NUMBER 8. PROJECT COST (\$000				
41221	171-618	2795/P	TFL163005	1	8,000			
2. SUPPLEMENTAL DATA:								
a. Estimated Design	Data:							
(1) Status:								
(a) Date Design			. .		01-MAY-17			
	Cost Estimates u		elop costs		YES			
* (c) Percent Com	-	JAN 2017			0% 01-0CT-17			
* (d) Date 35% De (e) Date Design	•				01-APR-18			
	y/Life-Cycle ana	alvsis was/	will be per		VI-AFR-18 YES			
(2) 200297 5000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		will be per	2021100	120			
(2) Basis:								
	Definitive Desi	-			NO			
(b) Where Desig	n Was Most Recer	ntly Used -						
(3) Total Cost (c)	= (a) + (b) or	(d) + (e):			(\$000)			
	of Plans and Spe		s		1,080			
(b) All Other D					540			
(c) Total					1,620			
(d) Contract					1,350			
(e) In-house					270			
(4) Construction C	ontract Award				18 AUG			
(5) Construction S	tart				18 SEP			
(6) Construction C	ompletion				20 MAR			
* Indicates comple which is compara cost and executa	ble to tradition							
b. Equipment associa	ted with this pr	roject prov	ided from a	other approp	riations:			
EQUIPMENT NOMENCL	ATURE A	PROCURING	APPRO	AL YEAR)PRIATED SQUESTED	COST (\$000)			
KC-46A MX TRAINING	J DEVICES	3010	:	2019	54,000			
KC-46A MX TRAINING	G DEVICES	3010	:	2019	87,000			
COMMUNICATIONS EQU	JIPMENT	3400	2	2019	60			
FURNITURE FIXTURES	5 EQUIPMENT	3400	:	2019	600			

	COMPONENT FY 2018 MILITARY CONSTRUCTION PROJECT DATA 2. DATE						
IR FORCE (computer generated)							
3. INSTALLATION,	SITE AND LOCATION		4. PF	ROJECT TITLE	2		
JB MCGUIRE-DIX-LAKEHURST				A ADAL B320	9 FOR FUSEL	AGE TRAINER	
MCGUIRE AFB NEW JERSEY							
5. PROGRAM ELEMEN	T 6. CATEGORY CODE		 		8. PROTECT	COST (\$000)	
5. TROORAN DEEMEN	1 0. CALEGORI CODE	7. RPSUID/P	PROJECT NUMBER 8. PROJECT			(000)	
41221 171-625 2795,				3006		3,300	
	9.	COST ESTIM	ATES				
					UNIT	COST	
	ITEM		U/M	QUANTITY		(\$000)	
PRIMARY FACILITIES	S					2,737	
ALTER BLDG 3209	(171-625)		SM	514	4,800	(2,467	
COVERED STORAGE	(442-628)		SM	270	800	(216	
SUSTAINABILITY AJ	ND ENERGY MEASURES		LS			(54	
SUPPORTING FACILIT	TIES		1			215	
UTILITIES			LS			(100	
COMMUNICATIONS			LS			(115	
SUBTOTAL						2,952	
CONTINGENCY	(5.0%)					148	
TOTAL CONTRACT COS						3,099	
	ECTION AND OVERHEAD	(5.7%)				177	
TOTAL REQUEST		(,				3,276	
~ ~						3,300	
TOTAL REQUEST (ROL	UNDED)						
TOTAL REQUEST (ROU EQUIPMENT FROM OTH	UNDED) HER APPROPRIATIONS (NOI	N-ADD)				-	
EQUIPMENT FROM OTH	HER APPROPRIATIONS (NO	-	AL bu	ilding 320	9 to accom	(7,061.0	
EQUIPMENT FROM OTH 10. Description		uction: AD		-		(7,061.0 nodate	
EQUIPMENT FROM OTH 10. Description fuselage trainer	HER APPROPRIATIONS (NO n of Proposed Constr	uction: AD rt of the K	C-46A	beddown a	t Joint Ba	(7,061.0 modate se McGuire-	
EQUIPMENT FROM OTH 10. Description fuselage trainer Dix-Lakehurst (J building 3209 to	HER APPROPRIATIONS (NO n of Proposed Constru- r equipment in support JBMDL). Alteration we o accommodate KC-46A	uction: AD rt of the K ork will co fuselage t	C-46A nsist raine	beddown a of interi r equipmen	t Joint Bas or reconfig t. Construe	(7,061.0 modate se McGuire- guration of ction will	
EQUIPMENT FROM OTF 10. Description fuselage trainer Dix-Lakehurst (J building 3209 to include an open	HER APPROPRIATIONS (NO) of Proposed Constru- r equipment in support JBMDL). Alteration we o accommodate KC-46A wall covered storage	uction: AD rt of the K ork will co fuselage t e addition	C-46A nsist raine to bu	beddown a of interi r equipmen ilding 320	t Joint Bas or reconfig t. Construct 9 utilizing	(7,061.0 modate se McGuire- guration of ction will g a concrete	
EQUIPMENT FROM OTH 10. Description fuselage trainer Dix-Lakehurst (J building 3209 to include an open slab, structural	HER APPROPRIATIONS (NOR n of Proposed Constru- r equipment in support JBMDL). Alteration we b accommodate KC-46A wall covered storage l steel frame and sta	uction: AD rt of the K ork will co fuselage t e addition anding seam	C-46A nsist raine to bu meta	beddown a of interi r equipmen ilding 320 l roof. Th	t Joint Bas or reconfig t. Construct 9 utilizing 19 project v	(7,061.0 modate se McGuire- guration of ction will g a concrete will include	
EQUIPMENT FROM OTH 10. Description fuselage trainer Dix-Lakehurst (J building 3209 to include an open slab, structural all utilities, c	HER APPROPRIATIONS (NO) of Proposed Constru- r equipment in support JBMDL). Alteration we o accommodate KC-46A wall covered storage	uction: AD rt of the K ork will co fuselage t e addition anding seam structure a	C-46A nsist raine to bu meta nd al	beddown a of interi r equipmen ilding 320 l roof. Th l other su	t Joint Ba or reconfig t. Construct 9 utilizing e project o pporting w	(7,061.0 modate se McGuire- guration of ction will g a concrete will include ork	
EQUIPMENT FROM OTF 10. Description fuselage trainer Dix-Lakehurst (J building 3209 to include an open slab, structural all utilities, c necessary to mak	HER APPROPRIATIONS (NOR n of Proposed Constru- r equipment in support (BMDL). Alteration we b accommodate KC-46A wall covered storage steel frame and state communications infra	uction: AD rt of the K ork will co fuselage t e addition anding seam structure a eable facil	C-46A nsist raine to bu meta nd al ity.	beddown a of interi r equipmen ilding 320 l roof. Th l other su Facilities	t Joint Bas or reconfig t. Construct 9 utilizing 10 project v 10 pporting was 10 will be do	(7,061.0 modate se McGuire- guration of ction will g a concrete will include ork esigned as	
EQUIPMENT FROM OTF 10. Description fuselage trainer Dix-Lakehurst (J building 3209 to include an open slab, structural all utilities, c necessary to mak permanent constr 1-200-01, Genera	HER APPROPRIATIONS (NOR a of Proposed Constru- r equipment in support (BMDL). Alteration we b accommodate KC-46A wall covered storage l steel frame and sta- communications infra- te a complete and use cuction in accordance al Building Requirement	uction: AD rt of the K ork will co fuselage t e addition anding seam structure a eable facil e with the f ents and UF	C-46A nsist raine to bu meta nd al ity. DoD U C 1-2	beddown a of interi r equipmen ilding 320 l roof. Th l other su Facilities nified Fac 00-02, Hig	t Joint Bas or reconfig t. Constru- 9 utilizing e project v porting w will be de ilities Cr h Performan	(7,061.0 modate se McGuire- guration of ction will g a concrete will include ork esigned as iteria (UFC)	
EQUIPMENT FROM OTF 10. Description fuselage trainer Dix-Lakehurst (J building 3209 to include an open slab, structural all utilities, c necessary to mak permanent constr 1-200-01, Genera Sustainable Buil	HER APPROPRIATIONS (NO of Proposed Constru- r equipment in support (DBMDL). Alteration we be accommodate KC-46A wall covered storage l steel frame and sta- communications infra- te a complete and use function in accordance al Building Requirements.	uction: AD rt of the K ork will co fuselage t e addition anding seam structure a eable facil e with the ents and UF This projec	C-46A nsist raine to bu meta nd al ity. DoD U C 1-2 t wil	beddown a of interi r equipmen ilding 320 l roof. Th l other su Facilities nified Fac 00-02, Hig l comply w	t Joint Bas or reconfig t. Constru- 9 utilizing te project of porting we will be de ilities Cr th Performany with DoD	(7,061.0 modate se McGuire- guration of ction will g a concrete will include ork esigned as iteria (UFC)	
EQUIPMENT FROM OTF 10. Description fuselage trainer Dix-Lakehurst (J building 3209 to include an open slab, structural all utilities, c necessary to mak permanent constr 1-200-01, Genera Sustainable Buil antiterrorism/fo	HER APPROPRIATIONS (NOI a of Proposed Constru- r equipment in support DBMDL). Alteration we b accommodate KC-46A wall covered storage a steel frame and sta- communications infra- te a complete and use ruction in accordance al Building Requirements. brice protection require	uction: AD rt of the K ork will co fuselage t e addition anding seam structure a eable facil e with the ents and UF This projec	C-46A nsist raine to bu meta nd al ity. DoD U C 1-2 t wil	beddown a of interi r equipmen ilding 320 l roof. Th l other su Facilities nified Fac 00-02, Hig l comply w	t Joint Bas or reconfig t. Constru- 9 utilizing te project of porting we will be de ilities Cr th Performany with DoD	(7,061.0 modate se McGuire- guration of ction will g a concrete will include ork esigned as iteria (UFC)	
EQUIPMENT FROM OTF 10. Description fuselage trainer Dix-Lakehurst (J building 3209 to include an open slab, structural all utilities, c necessary to mak permanent constr 1-200-01, Genera Sustainable Buil antiterrorism/fo Air Conditioning	HER APPROPRIATIONS (NOI a of Proposed Constru- r equipment in support (BMDL). Alteration we b accommodate KC-46A wall covered storage a steel frame and sta- communications infra- te a complete and use cuction in accordance al Building Requirements. borce protection requi- g: 0 Tons	uction: AD rt of the K ork will co fuselage t e addition anding seam structure a eable facil e with the ents and UF This projec irements pe	C-46A nsist raine to bu meta nd al ity. DoD U C 1-2 t wil r UFC	beddown a of interi r equipmen ilding 320 l roof. Th l other su Facilities nified Fac 00-02, Hig l comply w 4-101-01.	t Joint Bas or reconfig t. Constru- 9 utilizing te project w porting w will be de ilities Cr h Performany with DoD	(7,061.0 modate se McGuire- guration of ction will g a concrete will include ork esigned as iteria (UFC)	
EQUIPMENT FROM OTF 10. Description fuselage trainer Dix-Lakehurst (J building 3209 to include an open slab, structural all utilities, c necessary to mak permanent constr 1-200-01, Genera Sustainable Buil antiterrorism/fo Air Conditioning 11. Requirement:	HER APPROPRIATIONS (NOR a of Proposed Constru- r equipment in support (BMDL). Alteration we b accommodate KC-46A wall covered storaged steel frame and state communications infra- te a complete and use function in accordance al Building Requirements. borce protection requirements (S) Tons 18409 SM Adequare	uction: AD rt of the K ork will co fuselage t e addition anding seam structure a eable facil e with the ents and UF This projec irements pe te: 17625 S	C-46A nsist raine to bu meta nd al ity. DoD U C 1-2 t wil r UFC	beddown a of interi r equipmen ilding 320 l roof. Th l other su Facilities nified Fac 00-02, Hig l comply w 4-101-01.	t Joint Bas or reconfig at. Construct 9 utilizing a project w porting was will be de ilities Cris th Performant with DoD	(7,061.0 modate se McGuire- guration of ction will g a concrete will include ork esigned as iteria (UFC)	
EQUIPMENT FROM OTF 10. Description fuselage trainer Dix-Lakehurst (J building 3209 to include an open slab, structural all utilities, c necessary to mak permanent constr 1-200-01, Genera Sustainable Buil antiterrorism/fo Air Conditioning 11. Requirement: PROJECT: KC-46A	HER APPROPRIATIONS (NOI a of Proposed Constru- r equipment in support (BMDL). Alteration we b accommodate KC-46A wall covered storage a steel frame and state communications infra- te a complete and use cuction in accordance al Building Requirements. borce protection requirements. a 18409 SM Adequate A, Alter B3209 for F	uction: AD rt of the K ork will co fuselage t e addition anding seam structure a eable facil e with the ents and UF This projec irements pe te: 17625 S	C-46A nsist raine to bu meta nd al ity. DoD U C 1-2 t wil r UFC M iner	beddown a of interi r equipmen ilding 320 l roof. Th l other su Facilities nified Fac 00-02, Hig l comply w 4-101-01. Substandar (New Missi	t Joint Bas or reconfig t. Construct 9 utilizing te project we porting we will be de ilities Cr th Performant with DoD	(7,061.0 modate se McGuire- guration of ction will g a concrete will include ork esigned as iteria (UFC) nce and	
EQUIPMENT FROM OTF 10. Description fuselage trainer Dix-Lakehurst (J building 3209 to include an open slab, structural all utilities, c necessary to mak permanent constr 1-200-01, Genera Sustainable Buil antiterrorism/fo Air Conditioning 11. Requirement: PROJECT: KC-46A REQUIREMENT: Th	HER APPROPRIATIONS (NOI a of Proposed Constru- r equipment in support (BMDL). Alteration we b accommodate KC-46A wall covered storage a steel frame and sta- communications infra- te a complete and use ruction in accordance al Building Requirements. brice protection requi- g: 0 Tons 18409 SM Adequare A, Alter B3209 for F the Air Force has desired a of Proposed Constru- te a complete and use a complete and	uction: AD rt of the K ork will co fuselage t e addition anding seam structure a eable facil e with the ents and UF This projec irements pe te: 17625 S uselage Tra ignated JBM	C-46A nsist raine to bu meta nd al ity. DoD U C 1-2 t wil r UFC M iner DL as	beddown a of interi r equipmen ilding 320 l roof. Th l other su Facilities nified Fac 00-02, Hig l comply w 4-101-01. Substandar (New Missi the prefe	t Joint Bas or reconfig t. Construct 9 utilizing te project we porting we will be de ilities Cr. th Performan with DoD d: 514 SM .on) erred altern	(7,061.0 modate se McGuire- guration of ction will g a concrete will include ork esigned as iteria (UFC) nce and	
EQUIPMENT FROM OTF 10. Description fuselage trainer Dix-Lakehurst (J building 3209 to include an open slab, structural all utilities, c necessary to mak permanent constr 1-200-01, Genera Sustainable Buil antiterrorism/fo Air Conditioning 11. Requirement: PROJECT: KC-46A REQUIREMENT: Th the fourth KC-46	HER APPROPRIATIONS (NOI a of Proposed Constru- r equipment in support (BMDL). Alteration we b accommodate KC-46A wall covered storage a steel frame and state communications infra- te a complete and use cuction in accordance al Building Requirements. borce protection requirements. a 18409 SM Adequate A, Alter B3209 for F	uction: AD rt of the K ork will co fuselage t e addition anding seam structure a eable facil e with the ents and UF This projec irements pe te: 17625 S uselage Tra ignated JBM se (MOB 4).	C-46A nsist raine to bu meta nd al ity. DoD U C 1-2 t wil r UFC M iner DL as A hi	beddown a of interi r equipmen ilding 320 l roof. Th l other su Facilities nified Fac 00-02, Hig l comply w 4-101-01. Substandar (New Missi the prefe gh bay fus	t Joint Bas or reconfig t. Constru- 9 utilizing e project we will be do ilities Cr: th Performant with DoD d: 514 SM .on) erred alternation	(7,061.0 modate se McGuire- guration of ction will g a concrete will include ork esigned as iteria (UFC) nce and	
EQUIPMENT FROM OTF 10. Description fuselage trainer Dix-Lakehurst (J building 3209 to include an open slab, structural all utilities, c necessary to mak permanent constr 1-200-01, Genera Sustainable Buil antiterrorism/fo Air Conditioning 11. Requirement: PROJECT: KC-46A REQUIREMENT: Th the fourth KC-46 that is adequate	HER APPROPRIATIONS (NOI a of Proposed Constru- r equipment in support (BMDL). Alteration we b accommodate KC-46A wall covered storage a steel frame and sta- communications infra- te a complete and use cuction in accordance a complete and use function in accordance a complete and use cuction requirements. a o Tons 18409 SM Adequate A, Alter B3209 for F he Air Force has des- 50 Main Operating Ba	uction: AD rt of the K ork will co fuselage t e addition anding seam structure a eable facil e with the ents and UF This projec irements pe te: 17625 S uselage Tra ignated JBM se (MOB 4). C-46A cargo	C-46A nsist raine to bu meta nd al ity. DoD U C 1-2 t wil r UFC M iner DL as A hi load	beddown a of interi r equipmen ilding 320 l roof. Th l other su Facilities nified Fac 00-02, Hig l comply w 4-101-01. Substandar (New Missi the prefe gh bay fus operation	t Joint Bas or reconfig t. Constru- 9 utilizing e project we will be do ilities Cr ich Performan with DoD d: 514 SM .on) erred altern s training	(7,061.0 modate se McGuire- guration of ction will g a concrete will include ork esigned as iteria (UFC) nce and native for ner facility is	
EQUIPMENT FROM OTF 10. Description fuselage trainer Dix-Lakehurst (J building 3209 to include an open slab, structural all utilities, c necessary to mak permanent constr 1-200-01, Genera Sustainable Buil antiterrorism/fo Air Conditioning 11. Requirement: PROJECT: KC-46A REQUIREMENT: Th the fourth KC-46 that is adequate required. The fa squadrons at JBM	HER APPROPRIATIONS (NOI a of Proposed Constru- r equipment in support (BMDL). Alteration we b accommodate KC-46A wall covered storage steel frame and sta- communications infra- te a complete and user function in accordance al Building Requirements. borce protection requi- ding Requirements. (18409 SM Adequare A, Alter B3209 for F the Air Force has desi- SA Main Operating Base ally configured for Ko acility will enable of (DL. The space will accounts)	uction: AD rt of the K ork will co fuselage t e addition anding seam structure a eable facil e with the ents and UF This projec irements pe te: 17625 S uselage Tra ignated JBM se (MOB 4). C-46A cargo enterprise support ins	C-46A nsist raine to bu meta nd al ity. DOD U C 1-2 t wil r UFC M iner DL as A hi load train talla	beddown a of interi r equipmen ilding 320 l roof. Th l other su Facilities nified Fac 00-02, Hig l comply w 4-101-01. Substandar (New Missi the prefe gh bay fus operation ing and be tion of an	t Joint Bas or reconfig t. Construct 9 utilizing te project we porting we will be de ilities Cr. th Performant with DoD d: 514 SM .on) erred altern te lage training addown of Ke	(7,061.0 modate se McGuire- guration of ction will g a concrete will include ork esigned as iteria (UFC) nce and native for ner facility is C-46A flying fuselage	
EQUIPMENT FROM OTF 10. Description fuselage trainer Dix-Lakehurst (J building 3209 to include an open slab, structural all utilities, c necessary to mak permanent constr 1-200-01, Genera Sustainable Buil antiterrorism/fo Air Conditioning 11. Requirement: PROJECT: KC-46A REQUIREMENT: Th the fourth KC-46 that is adequate required. The fa squadrons at JBM trainer (120 ft	HER APPROPRIATIONS (NOT a of Proposed Constru- r equipment in support (BMDL). Alteration we b accommodate KC-46A wall covered storage a steel frame and sta- communications infra- te a complete and use cuction in accordance a Building Requirements. b orce protection requi- ding Requirements. a 18409 SM Adequare A, Alter B3209 for F the Air Force has desi- SA Main Operating Bas- ely configured for KG acility will enable of mDL. The space will a x 25 ft) with egress	uction: AD rt of the K ork will co fuselage t e addition anding seam structure a eable facil e with the ents and UF This projec irements pe te: 17625 S uselage Tra ignated JBM se (MOB 4). C-46A cargo enterprise support ins s slide, sp	C-46A nsist raine to bu meta nd al ity. DoD U C 1-2 t wil r UFC M iner DL as A hi load train talla rinkl	beddown a of interi r equipmen ilding 320 l roof. Th l other su Facilities nified Fac 00-02, Hig l comply w 4-101-01. Substandar (New Missi the prefe gh bay fus operation ing and be tion of an er system	t Joint Bas or reconfig t. Constru- 9 utilizing a project we porting we will be de ilities Cr: h Performan with DoD d: 514 SM on) orred altern s training addown of Ke a aircraft : inside and	(7,061.0 modate se McGuire- guration of ction will g a concrete will include ork esigned as iteria (UFC) nce and native for ner facility is C-46A flying fuselage under the	
EQUIPMENT FROM OTF 10. Description fuselage trainer Dix-Lakehurst (J building 3209 to include an open slab, structural all utilities, c necessary to mak permanent constr 1-200-01, Genera Sustainable Buil antiterrorism/fo Air Conditioning 11. Requirement: PROJECT: KC-46A REQUIREMENT: Th the fourth KC-46 that is adequate required. The fa squadrons at JBM trainer (120 ft device, cargo ya	HER APPROPRIATIONS (NOT a of Proposed Constru- r equipment in support (BMDL). Alteration we b accommodate KC-46A wall covered storage a steel frame and sta- communications infra- te a complete and use control in accordance a complete and use function in accordance a complete and use a complete and use function in accordance a complete and use a complete and use function in accordance a complete and use a complet	uction: AD rt of the K ork will co fuselage t e addition anding seam structure a eable facil e with the ents and UF This projec irements pe te: 17625 S uselage Tra ignated JBM se (MOB 4). C-46A cargo enterprise support ins s slide, sp training eq	C-46A nsist raine to bu meta nd al ity. DoD U C 1-2 t wil r UFC M iner DL as A hi load train talla rinkl uipme	beddown a of interi r equipmen ilding 320 l roof. Th l other su Facilities nified Fac 00-02, Hig l comply w 4-101-01. Substandar (New Missi the prefe gh bay fus operation ing and be tion of an er system nt, classr	t Joint Bas or reconfig t. Constru- 9 utilizing apporting we will be de ilities Cr: h Performan with DoD d: 514 SM on) rred altern elage train s training addown of Ke inside and coms, mecha	(7,061.0 modate se McGuire- guration of ction will g a concrete will include ork esigned as iteria (UFC) nce and native for ner facility is C-46A flying fuselage under the anical room,	
EQUIPMENT FROM OTF 10. Description fuselage trainer Dix-Lakehurst (J building 3209 to include an open slab, structural all utilities, c necessary to mak permanent constr 1-200-01, Genera Sustainable Buil antiterrorism/fo Air Conditioning 11. Requirement: PROJECT: KC-46A REQUIREMENT: Th the fourth KC-46 that is adequate required. The fa squadrons at JBM trainer (120 ft device, cargo ya computer room, 1	HER APPROPRIATIONS (NOT a of Proposed Constru- r equipment in support (BMDL). Alteration we b accommodate KC-46A wall covered storage a steel frame and sta- communications infra- te a complete and use cuction in accordance a Building Requirements. b orce protection requi- ding Requirements. a 18409 SM Adequare A, Alter B3209 for F the Air Force has desi- SA Main Operating Bas- ely configured for KG acility will enable of mDL. The space will a x 25 ft) with egress	uction: AD rt of the K ork will co fuselage t e addition anding seam structure a eable facil e with the ents and UF This projec irements pe te: 17625 S uselage Tra ignated JBM se (MOB 4). C-46A cargo enterprise support ins s slide, sp training eq . Open wall	C-46A nsist raine to bu meta nd al ity. DoD U C 1-2 t wil r UFC M iner DL as A hi load train talla rinkl uipme	beddown a of interi r equipmen ilding 320 l roof. Th l other su Facilities nified Fac 00-02, Hig l comply w 4-101-01. Substandar (New Missi the prefe gh bay fus operation ing and be tion of an er system nt, classr	t Joint Bas or reconfig t. Constru- 9 utilizing apporting we will be de ilities Cr: h Performan with DoD d: 514 SM on) rred altern elage train s training addown of Ke inside and coms, mecha	(7,061.0 modate se McGuire- guration of ction will g a concrete will include ork esigned as iteria (UFC) nce and native for ner facility is C-46A flying fuselage under the anical room,	

1. COMPONENT	FY 2018 MILITARY CO	2. DATE				
AIR FORCE	(compute					
3. INSTALLATION	, SITE AND LOCATION	4. PROJECT TITLE	4. PROJECT TITLE			
JB MCGUIRE-DIX-	LAKEHURST	KC-46A ADAL B3209 FOR FUSE	LAGE TRAINER			
MCGUIRE AFB						
NEW JERSEY						

		I	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST (\$000)
41221	171-625	2795/PTFL163006	3,300

CURRENT SITUATION: There is no other facility on JBMDL that is adequately sized and configured to house the fuselage trainer.

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. 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. 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.

. INSTALLATION AND			4. PROJECT		
B MCGUIRE-DIX-LAKEH CGUIRE AFB EW JERSEY	URST		KC-46A ADAL TRAINER	B3209 FOR F	JSELAGE
. PROGRAM ELEMENT	6. CATEGORY CO	DE 7. PROJ	ECT NUMBER	8. PROJECT (COST (\$000)
41221	171-625	2795/1	PTFL163006	3	,300
2. SUPPLEMENTAL DAT	'A:				
a. Estimated Desig	n Data:				
(1) Status:					
(a) Date Desi	gn Started			0	1-MAY-17
(b) Parametri	c Cost Estimates	used to de	velop costs		YES
	Complete as of 01	JAN 2017			0 %
* (d) Date 35%	-				1-OCT-17
(e) Date Desi			/	•	1-APR-18
(f) Energy St	udy/Life-Cycle a	nalysis was	/will be per	formed	YES
(2) Basis:					
(a) Standard	or Definitive Dea	sign -			NO
(b) Where Des	sign Was Most Rece	ently Used	-		
(3) Total Cost (c) = (a) + (b) or	r (d) + (e)	•		(\$000)
	on of Plans and S				198
	Design Costs	• • • • • • • • • •			99
(c) Total					297
(d) Contract					248
(e) In-house					50
(4) Construction	Contract Award				18 AUG
(5) Construction	a Start				18 SEP
(6) Construction	Completion				19 SEP
	oletion of Project arable to tradition atability.				
b. Equipment assoc	iated with this j	project pro	vided from o	other appropr	iations:
		PROCURING	-	AL YEAR)PRIATED	COST
EQUIPMENT NOMEN	CLATURE	APPROPRIAT		EQUESTED	(\$000)
KC-46A TRAINING	DEVICES	3080	:	2018	7,000
COMMUNICATIONS	EQUIPMENT	3400	:	2019	16
FURNITURE FIXTU	RES EQUIPMENT	3400	:	2019	45

[
1. COMPONENT		FY 2018 MILITARY CONSTRUCTION PROJECT DATA					2. DATE
AIR FORCE	(computer generated)						
3. INSTALLATION, SITE AND LOCATION 4. PROJECT TITLE							
JB MCGUIRE-DIX-LAKEHURST				KC-46A ALTER FACILITIES FOR MAINTENANCE			
MCGUIRE AFB							
NEW JERSEY							
5. PROGRAM ELEM	ENT	6. CATEGORY CODE	CATEGORY CODE 7. RPSUID/PROJECT NUMBER 8. PROJECT C			COST (\$000)	
41221		211-152	2795/1	PTFL16	3007		5,800
		9.	COST ESTIM	ATES			
						UNIT	COST
		ITEM		U/M	QUANTITY		(\$000)
ALTER SELECT FAC	LITI	ES FOR 24 PAA BEDDO	DWN				5,134
ALTER BLDG 181	7 FOR	ENGINE STORAGE (21)	1-157)	SM	188	1,640	(308
ALTER BLDG 2203	1 FOR	HYDRO/WARP/NDI (21	1-153)	SM	1,169	1,850	(2,163
ALTER BLDG 225	1 FOR	WARP STORAGE (211-	152)	SM	408	638	(260
ALTER BLDG 310	1 FOR	PARTS STORAGE (211-	-152)	SM	3,029	760	(2,302
SUSTAINABILITY	AND H	ENERGY MEASURES		LS			(101
SUPPORTING FACII	ITIES	l					100
UTILITIES				LS			(50)
COMMUNICATION				LS			(50)
SUBTOTAL							5,234
CONTINGENCY	(5	5.0%)					262
TOTAL CONTRACT C	COST						5,495
SUPERVISION, INS	PECTI	ON AND OVERHEAD	(5.7%)				313
TOTAL REQUEST							5,809
TOTAL REQUEST (F	ROUNDE	:D)					5,800
EQUIPMENT FROM C	THER	APPROPRIATIONS (NON	I-ADD)				(400.0
3101 to provid the KC-46A bed building 1817	e req down inclu	Proposed Constru uired aircraft co at Joint Base McC udes removal of ha	omponent sto Guire-Dix-La angar doors	orage akehu , fra	and shop rst (JBMDI me rough c	space in su). Alteratiopening and	apport of ion work in
siding and overhead doors. Alteration work in building 2201 includes reconfiguration to provide a fully enclosed painted concrete masonry unit security							

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	FY 2018 MIL	2. DATE			
AIR FORCE					
3. INSTALLATION	, SITE AND LOCATION	4. PROJECT TITLE			
JB MCGUIRE-DIX-LAKEHURST			KC-46A ALTER FAC	CILITIES FOR MA	INTENANCE
MCGUIRE AFB					
NEW JERSEY					
5. PROGRAM ELEM	ENT 6. CATEGORY CODE	7. RPSUID/PR	OJECT NUMBER	8. PROJECT CC	DST (\$000)

2795/PTFL163007

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.

211-152

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.

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 occurance of equipment and aircraft component failure, placing mission aircraft at risk.

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.

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.

41221

5,800

1. COMPONENT	ONENT FY 2018 MILITARY CONSTRUCTION PROJECT DATA 2. DATE						
AIR FORCE	AIR FORCE (computer generated)						
3. INSTALLATI	ON AND L	OCATION			4. PROJECT	TITLE	
JB MCGUIRE-DIX-LAKEHURST KC-46A ALTER FACILITIES FOR MCGUIRE AFB MAINTENANCE NEW JERSEY							?OR
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000							OST (\$000)
41221	41221 211-152 2795/PTFL163007 5,800						
12. SUPPLEMEN	TAL DATA	A:					
a. Estimate	d Design	n Data:					
(1) Statu	s:						
		n Started			_		-MAY-17
		Cost Estimate			evelop costs		YES
		omplete as of 0	1 JAN	2017			0%
* (d) Da		Designed yn Complete					-OCT-17
	-	n Complete 1dy/Life-Cycle a	analw	aia waa	will be pe		-APR-18 YES
(2) Basis		MAA HILE-CACLE	anary	SIS Was	s/will be pe	TIOIMed	165
(a) St	andard o	or Definitive De	-				NO
(b) Wh	ere Desi	ign Was Most Re	centl	y Used	-		
(3) Total	Cost (c	(a) = (a) + (b)	or (d) + (e)	:		(\$000)
(a) Pr	oduction	n of Plans and a	Speci	Eicatio	ons		348
(b) Al	l Other	Design Costs					174
(c) To							522
. ,	ntract						435
(e) In	-house						87
(4) Const	ruction	Contract Award					18 AUG
(5) Const	ruction	Start					18 SEP
(6) Const	ruction	Completion					20 MAR
which i cost an	s compan d execut	letion of Project able to tradita ability. lated with this	ional	35% de	esign to ens	ure valid scop	e,
EQUIPMEN	I NOMENC	LATURE		OCURIN ROPRIAI	G APPR	CAL YEAR OPRIATED EQUESTED	COST (\$000)
COMMUNIC	ATIONS E	QUIPMENT		3400		2019	50
FURNITUR	E FIXTUR	ES EQUIPMENT		3400		2019	350
DD FORM 1391, I	DEC 99	Previou	ıs edi	tions a	are obsolete	e. I	Page No.

1. COMPONENT	FY 2018 MILITARY CONSTRUCTION PROJECT DATA					2. DATE	
AIR FORCE		((computer gen	erate	d)		
3. INSTALLATION,	SITE	AND LOCATION		4. PH	ROJECT TITLE	Ξ	
JB MCGUIRE-DIX-I	AKEHU	RST		KC-46	SA ADD TO BI	837 FOR BODY	TANKS STORAGE
MCGUIRE AFB NEW JERSEY							
5. PROGRAM ELEME	ידיאי			0.750			
J. FROGRAM ELEM		T 6. CATEGORY CODE 7. RPSUID/PROJECT NUMBER 8. PROJECT					2051 (\$000)
41221		211-179	2795/1	TFL16	3008	2	2,300
		9.	COST ESTIMA	TES			
						UNIT	COST
		ITEM		U/M	QUANTITY		(\$000)
PRIMARY FACILITI	ES						1,620
ADD TO B1837				SM	201	7,900	(1,588
SUSTAINABILITY AND ENERGY MEASURES				LS			(32
SUPPORTING FACIL	ITIES			İ			446
UTILITIES				LS			(80
SITE IMPROVEMEN	TS			LS			(50
PAVEMENTS				LS			(259
COMMUNICATIONS				LS			(57
SUBTOTAL							2,066
CONTINGENCY	(5	.0%)					103
TOTAL CONTRACT C	-	· · · · /				-	2,169
SUPERVISION, INS	PECTI	ON AND OVERHEAD	(5.7%)				124
TOTAL REQUEST						-	2,293
TOTAL REQUEST (R	OUNDE	ס)					2,300
EQUIPMENT FROM O	THER .	APPROPRIATIONS (NON	I-ADD)				(7.0
10. Descriptio	n of	Proposed Constru	uction: Cor	lstru	ct an addi	tion to buil	lding 1837
-		ge in support of					-
Lakehurst (JBMI	ы).	Construction will	l include re	einfo	rced steel	concrete sp	pread
Eootings, concr	ete	floor slab, struc	ctural steel	fra	me with sp	lit faced bl	lock veneer
-		metal roof. The					
		ent, communicatio					-
-		complete and use		-			-
		ion in accordance uilding Requireme					
		g Requirements. 1			-		
		protection requi					
Air Conditionir		20 Tons					
1. Requirement	-		ce: 15450 SM	1	Substandar	d: 0 SM	
-		dd to B1837 for H					
		ir Force has desi	-			-	ative for
-		ain Operating Bas	-		-		
		tank maintenance					-
C-46A beddown			2		-	-	
CURRENT SITUAT	ON:	There are no fac	cilities on	JBMD	L adequate	ly sized and	1
configured to a	oqqu	rt KC-46A body ta	ank maintena	ince	and storag	e functions.	. Without a

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	FY 2018 MIL:	DATA	2. DATE			
AIR FORCE		(computer generated)				
3. INSTALLATION	, SITE AND LOCATION	4. PROJECT TI	TLE			
JB MCGUIRE-DIX-	LAKEHURST	KC-46A ADD TO	B1837 FOR BODY T	ANKS STORAGE		
MCGUIRE AFB						
NEW JERSEY						
5. PROGRAM ELEM	ENT 6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT CC	ST (\$000)		
41221	211-179	2795/PTFL163008	2,	300		

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.

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.

. INSTALLATION AND	LOCATION		. PROJECT	TITLE	
B MCGUIRE-DIX-LAKE CGUIRE AFB EW JERSEY	HURST		KC-46A ADD STORAGE	TO B1837 FOR	BODY TANKS
. PROGRAM ELEMENT	6. CATEGORY CO	DDE 7. PROJI	CT NUMBER	8. PROJECT (COST (\$000)
41221	211-179	2795/P	TFL163008	2	,300
2. SUPPLEMENTAL DA	TA:				
a. Estimated Desi	gn Data:				
(1) Status:					
(a) Date Des	sign Started			0	1-MAY-17
(b) Parametr	ic Cost Estimates	used to dev	elop costs		YES
	Complete as of 01				0 %
* (d) Date 35%	-			0	1-OCT-17
. ,	sign Complete				1-APR-18
	study/Life-Cycle a	nalysis was/	will be per	-	YES
(_,					
(2) Basis:					
(a) Standard	l or Definitive De	sign -			NO
(b) Where De	sign Was Most Rec	ently Used -			
(2) Total Cost	(c) = (a) + (b) o	r(d) + (a)			(\$000)
	on of Plans and S.		-		138
		pecificación	.5		69
(c) Total	er Design Costs				207
					207 173
(d) Contract (e) In-house					35
(e) III-IIOuse	•				55
(4) Constructio	n Contract Award				18 AUG
(5) Constructio	on Start				18 SEP
(6) Constructio	on Completion				19 SEP
which is comp cost and exec	-	onal 35% des	ign to ensu	ure valid sco	ppe,
b. Equipment asso	ciated with this	project prov	ided from (other appropr	lations:
			FISC	AL YEAR	
		PROCURING		OPRIATED	COST
EQUIPMENT NOME	NCLATURE	APPROPRIATI	ON OR RI	EQUESTED	(\$000)
COMMUNICATIONS	EQUIPMENT	3400	:	2019	1
FURNITURE FIXT	URES EQUIPMENT	3400	:	2019	6

1. COMPONENT		FY 2018 MILI				TA	2. DATE
AIR FORCE		((computer ger	erate	d)		
3. INSTALLATION JB MCGUIRE-DIX- MCGUIRE AFB NEW JERSEY					OJECT TITLI A ALTER BLI	3 DGS FOR OPS A	ND TFI AMU-
5. PROGRAM ELEM	ENT	6. CATEGORY CODE	7. RPSUID/P	ROJECI	NUMBER	8. PROJECT	COST (\$000)
41221		141-753	2795/1	PTFL16	3010		9,000
		9.	COST ESTIM	TES			
		ITEM		U/M	QUANTITY	UNIT	COST (\$000)
PRIMARY FACILITI	ES						7,782
KC-46A ALTER BI	L928 F	OR TFI OG (610-243))	SM	1,528	1,010	(1,543
KC-46A ALTER BI	L828 F	OR SQ OPS (141-753))	SM	3,768	420	(1,583
KC-46A ALTER BI	L829 F	OR SQ OPS (141-753))	SM	3,483	495	(1,724
KC-46A ALTER BI	L730 F	OR MSN PLANNING (14	41-453)	SM	743	2,000	(1,486
KC-46A ALTER BI	L835 F	OR TFI AMU/AMXS (21	11-154)	SM	1,927	650	(1,253
EXTERIOR CANOPI	(1	.45-921)		SM	291	150	(44
SUSTAINABILITY	& ENE	RGY MEASURES		LS			(150
SUPPORTING FACIL	ITIES						300
UTILITIES				LS			(200
COMMUNICATIONS				LS			(100
SUBTOTAL							8,082
CONTINGENCY	(5	.0%)					404
TOTAL CONTRACT C	OST						8,486
SUPERVISION, INS	PECTI	ON AND OVERHEAD	(5.7%)				484
TOTAL REQUEST							8,970
TOTAL REQUEST (R	OUNDE	D)					9,000
EQUIPMENT FROM C	THER	APPROPRIATIONS (NON	I-ADD)				(45.0
and 1835 in su (JBMDL). Alter major/secondary lighting, reco and installations communications and useable fac accordance with Building Requi Requirements.	pport ation y ele nfigu on of infr cilit h the remen This	Proposed Constru- of the KC-46A be- work includes re- ctrical component ration of plumbin exterior canopie astructure and al- ies. Facilities w DoD Unified Faci- ts and UFC 1-200- project will comp C 4-101-01	eddown at Ja eplacement of ng, reconfig es. The pro- ll supportin vill be des ilities Crit- 62, High Pa	oint : of HV. gurat ject . ng wo igned teria erfor	Base McGui AC compone ion of int includes u rk necessa as perman (UFC) 1-2 mance and	re-Dix-Lake ents, replace erior walls e suppressi- tilities, ary to make ent constru- 200-01, Gene Sustainable	ehurst ement of and on systems complete action in eral a Building
requirements po Air Conditionia		C 4-101-01. 0 Tons					
11. Requirement	t: 17	764 SM Adequat	e: 3184 SM	S	ubstandard	: 11449 SM	
REQUIREMENT:	The A 46A M	lter Bldgs for Op ir Force has desi ain Operating Bas rative functions,	ignated JBM se (MOB 4).	DL as Adeq	the prefe uate space	erred altern for squadr	on

Previous editions are obsolete.

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

Page No.

1. COMPONENT	FY 2018 MII	ITARY CONSTRUC	TION PROJECT DA	ТА	2. DATE	
AIR FORCE		(computer generated)				
3. INSTALLATION	, SITE AND LOCATION		4. PROJECT TITLE			
JB MCGUIRE-DIX-	JB MCGUIRE-DIX-LAKEHURST			KC-46A ALTER BLDGS FOR OPS AND TFI AMU-		
MCGUIRE AFB		1	AMXS			
NEW JERSEY						
5. PROGRAM ELEM	ENT 6. CATEGORY CODE	7. RPSUID/PRO	OJECT NUMBER	8. PROJECT CC	ST (\$000)	
41221	141-753	2795/P1	2795/PTFL163010 9			

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.

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.

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.

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.

. INSTALLATION AND	LOCATION		4. PROJECT	FITLE	
B MCGUIRE-DIX-LAKE CGUIRE AFB EW JERSEY	IURST			R BLDGS FOR O	PS AND TFI
. PROGRAM ELEMENT	6. CATEGORY COL	DE 7. PRO	JECT NUMBER	8. PROJECT CO	DST (\$000)
41221	141-753	2795/	PTFL163010	9,	000
2. SUPPLEMENTAL DA	FA:				
a. Estimated Desi	gn Data:				
(1) Status:	· · · · ·				
(a) Date Des	-			01	-MAY-17
	ic Cost Estimates Complete as of 01 ,		evelop costs		YES 0%
* (d) Date 35%	-	UAN 2017		01	-OCT-17
(e) Date Des	-				-APR-18
	tudy/Life-Cycle and	alysis was	/will be per		YES
<pre>(2) Basis: (a) Standard</pre>	or Definitive Des	ian -			NO
	sign Was Most Rece	-	-		NO
(3) Total Cost	(c) = (a) + (b) or	(d) + (e)	•		(\$000)
	on of Plans and Sp				540
	r Design Costs				270
(c) Total	-				810
(d) Contract					675
(e) In-house					135
(4) Construction	n Contract Award				18 AUG
(5) Construction	n Start				18 SEP
(6) Construction	n Completion				20 MAR
which is comp cost and exec	pletion of Project arable to tradition utability. ciated with this p	nal 35% de	esign to ensu	re valid scor	e,
			FICO	AL YEAR	
EQUIPMENT NOMEN	CLATURE	PROCURIN APPROPRIAI	G APPRO	AL TEAR DPRIATED QUESTED	COST (\$000)
COMMUNICATIONS	EQUIPMENT	3400	2	2019	15
FURNITURE FIXTU	RES EQUIPMENT	3400	2	2019	30

1. COMPONENT	COMPONENT FY 2018 MILITARY CONSTRUCTION PROJECT DATA						
AIR FORCE		(computer gen	nerate	d)			
3. INSTALLATION, S	ITE AND LOCATION		4. PROJECT TITLE				
JB MCGUIRE-DIX-LAK	EHURST		KC-46	5A ADAL B181	6 FOR SUPPLY		
MCGUIRE AFB							
NEW JERSEY		1		I			
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. RPSUID/			ROJECI	NUMBER	8. PROJECT	COST (\$000)	
41221 218-712 2795/			PTFL16	3012		6,900	
	9.	COST ESTIM	ATES	I			
					UNIT	COST	
	ITEM		U/M	QUANTITY		(\$000)	
PRIMARY FACILITIES						6,113	
ALTER B1816			SM	3,928	1,450	(5,696	
ADD TO B1816			SM	157	1,898	(298	
SUSTAINABILITY AND	D ENERGY MEASURES		LS			(120	
SUPPORTING FACILITI	ES					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, INSPEC	TION AND OVERHEAD	(5.7%)				370	
TOTAL REQUEST						6,858	
TOTAL REQUEST (ROUN	IDED)					6,900	
EOUIPMENT FROM OTHE	R APPROPRIATIONS (NO	N-ADD)				(540.0	

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.

Air Conditioning: 50 Tons

11. Requirement: 4085 SM Adequate: 0 SM Substandard: 3928 SM
PROJECT: KC-46A ADAL B1816 for Supply (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 storage of aircraft support equipment and supplies is required to effectively support KC-46A beddown.

Page No.

1. COMPONENT AIR FORCE	FY 2018 MILI	2. DATE			
3. INSTALLATION JB MCGUIRE-DIX- MCGUIRE AFB NEW JERSEY	, SITE AND LOCATION LAKEHURST		4. PROJECT TITLI KC-46A ADAL B181	_	
5. PROGRAM ELEM	ENT 6. CATEGORY CODE	7. RPSUID/PR	OJECT NUMBER	8. PROJECT CC	ST (\$000)

2795/PTFL163012

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.

218-712

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.

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.

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.

41221

6,900

1. COMPONENT AIR FORCE								2. DATE
			ipuce.	r gene		~ ~ ~ ~ ~		
3. INSTALLATI JB MCGUIRE-DI MCGUIRE AFB NEW JERSEY					4. PROJEC KC-46A AI	DAL B1816 FOR :	SUPI	PLY
5. PROGRAM EL	EMENT	6. CATEGORY CC	DDE	7. PRO	JECT NUMBE	ER 8. PROJECT	COS	ST (\$000)
41221		218-712		2795/	PTFL16301	2	6,9	00
12. SUPPLEMEN	TAL DAT	A:						
a. Estimate	ed Design	n Data:						
(1) Statu	IS:							
		gn Started					01-	MAY-17
		Cost Estimates			evelop cos	ts		YES
		omplete as of 01	JAN	2017				0%
. ,		Designed						OCT-17
	-	gn Complete					01-	APR-18
(f) Er	ergy Stu	udy/Life-Cycle a	nalys	sis was	s/will be	performed		YES
(2) Basis	:							
(a) St	andard o	or Definitive De	sign	-				NO
(b) Wh	ere Des:	ign Was Most Rec	ently	y Used	-			
(2) Total	Cost ((a) = (a) + (b) o	~ (d)	+ (a)				(\$000)
		f(a) + (b) 0						(\$000) 414
		Design Costs	pecri	LICALIC	5115			207
(c) To		Debigin cobeb						621
	ontract							518
. ,	n-house							104
(4) Const	ruction	Contract Award						18 AUG
(5) Const	ruction	Start						18 SEP
(6) Const	ruction	Completion						20 MAR
which i cost an	.s compan nd execut	letion of Project rable to tradition tability.	onal	35% de	esign to e	nsure valid so	cope	,
b. Equipmer	nt assoc:	lated with this	proje	ect pro	ovided fro	m other approp	pria	tions:
EQUIPMEN	I NOMENC	LATURE		OCURIN ROPRIAI	G AP	ISCAL YEAR PROPRIATED REQUESTED		COST (\$000)
COMMUNIC	ATIONS E	QUIPMENT		3400		2019		90
FURNITUR	E FIXTUR	ES EQUIPMENT		3400		2019		450

1. COMPONENT		FY 2018 MII	ITARY CONSTR	UCTION	PROJECT DA	2. DATE	
AIR FORCE			(computer ge	nerate	d)		
3. INSTALLATION,	SITE	E AND LOCATION		4. PF	ROJECT TITL	Ξ	
JB MCGUIRE-DIX-I	AKEHU	JRST		KC-46	A ADAL B174	49 FOR ATGL &	LST SERVICING
MCGUIRE AFB							
NEW JERSEY							
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. RPSUID/			7. RPSUID/I	PROJECI	NUMBER	8. PROJECT	COST (\$000)
41221 141-785 2795			PTFL16	3015		2,000	
		9.	COST ESTIM	ATES			
						UNIT	COST
		ITEM		U/M	QUANTITY		(\$000)
PRIMARY FACILITI	ES						1,495
ADD TO B1749				SM	263	4,230	(1,112
ALTER B1749				SM	195	1,811	(353
SUSTAINABILITY	AND E	NERGY MEASURES		LS			(29
SUPPORTING FACIL	ITIES						285
UTILITIES				LS			(67)
SITE IMPROVEMEN	TS			LS			(43)
PAVEMENTS				LS			(123)
COMMUNICATIONS				LS			(52)
SUBTOTAL							1,780
CONTINGENCY	(5	.0%)					89
TOTAL CONTRACT C	OST						1,869
SUPERVISION, INS	PECTI	ON AND OVERHEAD	(5.7%)				107
TOTAL REQUEST							1,976
TOTAL REQUEST (R							2,000

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.

Air Conditioning: 20 Tons

11. Requirement: 732 SM Adequate: 274 SM Substandard: 195 SM
PROJECT: KC-46A ADAL B1749 for ATGL & LST Servicing (New Mission)
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.
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

DRAFT 1

1. COMPONENT AIR FORCE		FY 2018 MILITARY CONSTRUCTION PROJECT DATA 2. DATE (computer generated)					
3. INSTALLATION, JB MCGUIRE-DIX-1 MCGUIRE AFB NEW JERSEY	SITE AND LOCATION	4. PROJECT TITL KC-46A ADAL B17	E 49 FOR ATGL & LST SERVICING				
5. PROGRAM ELEM	ENT 6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST (\$000)				
41221	141-785	2795/PTFL163015	2,000				

servicing workarounds include conducting those operations in an outdoor environment.

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.

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.

					DRAFT 1	
. COMPONENT		FY 2018 MILITARY C	ONSTRUC	TION PROJECT	DATA	2. DATE
AIR FORCE		(compute	er gene	rated)		
3. INSTALLATION	I AND L	OCATION		4. PROJECT	TITLE	
JB MCGUIRE-DIX- MCGUIRE AFB NEW JERSEY	LAKEHU	RST		KC-46A ADAL SERVICING	B1749 FOR ATC	L & LST
5. PROGRAM ELEN	IENT	6. CATEGORY CODE	7. PRO	JECT NUMBER	8. PROJECT CC)ST (\$000)
41221		141-785	2795/	PTFL163015	2,	000
12. SUPPLEMENT	AL DATA	.:				
a. Estimated	Design	Data:				
(1) Status:						
. ,		n Started			01	-MAY-17
(b) Para	ametric	Cost Estimates use	ed to de	evelop costs		YES
* (c) Perc	cent Co	mplete as of 01 JAN	1 2017			90%
* (d) Date		-				-OCT-17
	-	n Complete				-APR-18
(I) Ener	rgy stu	dy/Life-Cycle analy	sis was	s/will be per	riormed	YES
(2) Basis:						
		or Definitive Design				NO
(b) When	re Desi	gn Was Most Recent]	ly Used	-		
(3) Total (Cost (c	(a) = (a) + (b) or (c)	l) + (e)	:		(\$000)
(a) Prod	luction	of Plans and Speci	ficatio	ons		120
(b) All	Other	Design Costs				60
(c) Tota	al					180
(d) Cont						150
(e) In-h	nouse					30
(4) Constru	lction	Contract Award				18 AUG
(5) Constru	uction	Start				18 SEP
(6) Constru	uction	Completion				19 SEP
	compar	etion of Project De able to traditional ability.				
b. Equipment N/A	associ	ated with this pro	ject pro	ovided from a	other appropri	ations:

1. COMPONENT		FY 2018 MIL]	TARY CONSTRU	CTION	PROJECT DA	TA	2. DATE
AIR FORCE		((computer gen	erate	d)		
3. INSTALLATION	, SITI	E AND LOCATION		4. PF	ROJECT TITL	E	I
JB MCGUIRE-DIX-	LAKEH	URST		KC-46	A AEROSPACI	E GROUND EQU	IPMENT STORAGE
MCGUIRE AFB							
NEW JERSEY						l	
5. PROGRAM ELEM	ENT	6. CATEGORY CODE	7. RPSUID/P	ROJECI	NUMBER	 PROJECT 	COST (\$000)
41221		145-921	2795/1	PTFL16	3017		4,100
		9.	COST ESTIMA	TES	1	I	1
		ITEM		U/M	QUANTITY	UNIT	COST (\$000)
PRIMARY FACILITI	ES						2,824
AEROSPACE GROU	ND EQU	JIPMENT COVERED STOP	RAGE	SM	1,858	1,490	(2,768)
SUSTAINABILITY	AND B	ENERGY MEASURES		LS			(55)
SUPPORTING FACIL	ITIES	ł					869
UTILITIES				LS			(185)
SITE IMPROVEMEN	NTS			LS			(114)
PAVEMENTS				LS			(570)
SUBTOTAL							3,693
CONTINGENCY	(5	5.0%)					185
TOTAL CONTRACT C	COST						3,877
SUPERVISION, INS	PECTI	ON AND OVERHEAD	(5.7%)				221
TOTAL REQUEST							4,098
TOTAL REQUEST (F	ROUNDE	D)					4,100
EQUIPMENT FROM C	THER	APPROPRIATIONS (NON	I-ADD)				(50.0)
(AGE) covered Lakehurst (JBM concrete floor metal roof. Th necessary util designed as pe Criteria (UFC) Performance an DoD antiterror Air Conditioni	stora DL). slah e pro ities rmane 1-20 d Sus ism/f ng:	Proposed Constru- age in support of Construction will o, structural stee oject includes ution to make a comple- ent construction in 00-01, General Bui stainable Building force protection in 0 Tons	the KC-46A l include re al frame with ilities, site ate and used in accordance ilding Requi g Requirements	bedd beinfo th me te im able ce wi ireme nts. s per	own at Joi rced steel tal siding provements facility. th the DoI nts and UF This proje UFC 4-101	Int Base McG spread foo and a star pavements Facilities O Unified Fa C 1-200-02 act will con 1-01.	Guire-Dix- otings, nding seam s and all will be acilities , High
11. Requiremen	t: 18	58 SM Adequate	e: 0 SM 8	Subst	andard: 0	SM	
REQUIREMENT: the fourth KC- required for s	The A 46A M pecif	erospace Ground Ed air Force has desi Main Operating Bas Fic AGE assets that ment but should be	ignated JBMI se (MOB 4). at do not ne	DL as Cove	the prefe red storag o be store	erred altern ge facilition ed in a temp	es are perature
use.			-				
CURRENT SITUAT	ION:	Existing AGE cov	vered stora	ge at	JBMDL sup	ports othe:	r assigned
airframes and	is no	ot large enough to	o accommodat	te KC	-46A equir	pment.	
the sun, rain	or sr	DED: AGE equipme how. Exposure to t increase maintena	the element				
		project meets the		crit	eria/scope	e specified	in Air

DD FORM 1391, DEC 99 Previous editions are obsolete.

1. COMPONENT			ICTION PROJECT DA	TA	2. DATE
AIR FORCE		(computer ger			
3. INSTALLATION, SITE			4. PROJECT TITLE		
JB MCGUIRE-DIX-LAKEHUF MCGUIRE AFB	RST		KC-46A AEROSPACE	E GROUND EQUIPM	IENT STORAGE
NEW JERSEY					
	6. CATEGORY CODE	7. RPSUTD/P	ROJECT NUMBER	8. PROJECT CO	OST (\$000)
41221	145-921	2795/3	PTFL163017	4,	,100
Force Manual 32-1084 Plan. A preliminary ADAL and new construc construction is the requirements. A form Civil Engineer: 609- = 20,000 SF. JOINT USE CERTIFICAT available" basis; ho requirements.	Facility Required analysis of real action was accomp most cost effect al economic anal 754-3722. Aerosp	irements" a asonable al plished. Th tive altern lysis is be pace Ground ity can be	nd the KC-46A F ternatives eval is analysis ind ative which mee ing prepared. 8 Equipment Cove used by other c	Cacility Requi- uating status licated new ets mission 7th Air Base ered Storage: components on	irements s quo, Wing Base 1,858 SM an "as

AIR FORCE (computer generated) 3. INFIGUATION AND LOCATION FB MCQUIRE AFB NEW JERGEY 4. FRAJECT TITLE KC-46A ARGOSPACE GROUND EQUIPMENT STORAGE 5. PROGRAM ELEMENT 41221 6. CATEGORY CODE 145-921 7. FRAJECT NUMBER 2795/FFEL63017 6. FRAJECT COST (\$000) 12. SUPPLEMENTAL DATA: 8. Estimated Design Data: 1 145-921 2795/FFEL63017 4,100 12. SUPPLEMENTAL DATA: 8. Estimated Design Started (a) Date Design Started (b) Parcametric Cost Estimates used to develop costs (c) Parcent Complete as of 01 JAN 2017 (c) Date Design Complete (c) Date Design Cost (c) Date Cost (c) = (a) + (b) or (d) + (e): (c) Total (c) Total Cost (c) = (a) + (b) or (d) + (e): (c) Total (c) Total (c) Total Cost (c) = (a) + (b) or (d) + (e): (c) Total (c) Total (c) Total (c) Total Cost (c) = (a) + (b) or (d) + (e): (c) Total (c) Total (c) Total (c) Construction Contract Award (c) Total (c) Construction Contract Award (c) Construction Completion (c) Construction (c) REQUENTENT NOMENCLATURE (c) CON TACK 3400 2018 50	1. COMPONENT		FY 2018 MILITA	RY COI	NSTRUC'	TION PROJECT	DATA	2. DATE
JB MCGUIRE-DIX-LAKEHURST MCGUIRE AFB NEW JERSEY KC-46A ARROSPACE GROUND EQUIPMENT STORAGE 5. PROGRAM ELEMENT 41221 6. CATEGORY CODE 145-921 7. PROJECT NUMBER 2795/PTFL163017 8. PROJECT COST (\$000) 41221 145-921 2795/PTFL163017 4,100 12. SUPPLEMENTAL DATA: a. Estimated Design Data: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs * (c) Percent Complete as of 01 JAN 2017 0% * (d) Date 35% Designed (f) Energy Study/Life-Cycle analysis was/will be performed (f) Energy Study/Life-Cycle analysis was/will be performed (g) Dasts: (a) Standard or Definitive Design - (b) Where Design Costs (c) Total (c) Total Cost (c) = (a) + (b) or (d) + (e): (c) Total (c) Total (c) Total (c) Total (c) Total (c) Total (c) Total (c) Construction Contract Award (c) In-house (c) Construction Completion (c) Equipment associated with this project provided from other appropriations; EQUIPMENT NOMENCLATURE	AIR FORCE		(cor	mputer	r gene:	rated)		
MCGUIRE AFB STORAGE NEW JERSEY 6. CATEGORY CODE 7. FROJECT NUMBER 8. PROJECT COST (\$000) 41221 145-921 2795/PTFL163017 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% * (c) Percent Complete as of 01 JAN 2017 0% 01-OCT-17 (e) Date Design Complete 01-OCT-17 (e) Date Design Complete 01-OCT-17 (e) Date Design Complete 01-APR-18 (f) Energy Study/Life-Cycle analysis was/will be performed YES YES (2) Basis: (a) Standard or Definitive Design - NO (b) Mnere Design Was Most Recently Used - (\$000) (a) Production of Plans and Specifications 246 (b) All other Design Costs 123 62 (4) Construction Contract Award 18 AUG (5) 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: FECCURING APPROPRIATION	3. INSTALLATI	ON AND I	LOCATION			4. PROJECT	TITLE	
41221 145-921 2795/PTFL163017 4,100 12. SUPPLEMENTAL DATA: a. Estimated Design Data: 01-MAY-17 (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 - (\$000) (a) Production of Plans and Specifications 246 (b) All Other Design Costs 123 369 308 (e) In-house 62 (4) Construction Contract Award 18 AUG 18 AUG (5) 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: FROCURING APPROPRIATION OR REQUESTED (\$000)	MCGUIRE AFB	X-LAKEHU	JRST				SPACE GROUND I	EQUIPMENT
12. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: 01 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 - (\$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: FISCAL YEAR COST EQUIPMENT NOMENCLATURE APPROPRIATION	5. PROGRAM EL	EMENT	6. CATEGORY CO	ODE 7	7. PRO	JECT NUMBER	8. PROJECT CO	OST (\$000)
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 APPROPRIATIED COST (§000)	41221		145-921		2795/	PTFL163017	4,	100
(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 - (\$000) (a) Production of Plans and Specifications 246 (b) All Other Design Costs 123 (c) Total 369 308 (d) Contract 308 62 308 62 (4) Construction Contract Award 18 AUG 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 OR REQUESTED COST	12. SUPPLEMEN	TAL DAT	A:					
(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 - (\$000) (a) Production of Plans and Specifications 246 (b) All Other Design Costs 123 (c) Total 369 (d) Contract 308 (e) In-house 62 (f) Construction Contract Award 18 AUG (5) 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: FISCAL YEAR APPROPRIATED COST EQUIPMENT NOMENCLATURE APPROPRIATION OR REQUESTED (\$000)	a. Estimate	ed Design	n Data:					
(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 VES (2) Basis: 0% (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - NO (c) 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 (f) 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: FISCAL YEAR APPROPRIATION COST EQUIPMENT NOMENCLATURE APPROPRIATION OR REQUESTED (\$000)	(1) Statu	IS:						
* (c) Percent Complete as of 01 JAN 2017 * (d) Date 35% Designed 01-OCT-17 (e) Date Design Complete 01-OCT-17 (e) Date Design Complete 01-APR-18 (f) Energy Study/Life-Cycle analysis was/will be performed VES (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 369 (d) 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 APPROPRIATED COST (\$000) (\$000)			-				01	-MAY-17
 * (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: 						evelop costs		
(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 - NO (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 COST OR REQUESTED (\$000)			-	L JAN	2017			
(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 - NO (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 OR REQUESTED (\$000)			-					
(2) Easis: (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 APPROPRIATED OR REQUESTED (\$000)		-				· /		
(a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - NO (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 OR REQUESTED (\$000)			udy/Life-Cycle a	anaiys	sis was	s/will be per	riormed	YES
(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 APPROPRIATED OR REQUESTED (\$000)			or Definitive De	sian	_			NO
(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 APPROPRIATED COST OR REQUESTED (\$000)				-		-		10
(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 APPROPRIATED OR REQUESTED (\$000)	(3) Total	. Cost (d	c) = (a) + (b) c	or (d)	+ (e)	:		(\$000)
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PROCURING APPROPRIATED COST EQUIPMENT NOMENCLATURE APPROPRIATION OR REQUESTED (\$000)	b. Equipmer	nt assoc:	iated with this	proje	ect pro	ovided from a	other appropri	ations:
150 TON JACK 3400 2018 50	EQUIPMEN	I NOMENC	LATURE			G APPRO	PRIATED	
	150 TON .	JACK			3400	:	2018	50

1. COMPONENT	FY 2018	MILITARY CONSTR			ГА	2. DATE
AIR FORCE		(computer ge	enerate	a)		
3. INSTALLATION, JB MCGUIRE-DIX-I MCGUIRE AFB NEW JERSEY	SITE AND LOCATION		-	ROJECT TITLE 5A TWO BAY G	E ENERAL PURPO:	SE MX HANGAR
5. PROGRAM ELEMP	NT 6. CATEGORY CO	DE 7. RPSUID/	PROJECT	NUMBER	8. PROJECT	COST (\$000)
41221	211-111	2795	/PTFL16	53019	5	72,000
		9. COST ESTIN	ATES			
	ITEM		U/M	QUANTITY	UNIT	COST (\$000)
PRIMARY FACILITI	ES					46,390
TWO BAY MAINTEN	ANCE HANGAR		SM	8,402	5,413	(45,480
SUSTAINABILITY	AND ENERGY MEASURES		LS			(910)
SUPPORTING FACIL	ITIES				ĺ	18,076
UTILITIES			LS			(2,123)
SITE IMPROVEMEN	TS		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 C	OST					67,689
SUPERVISION, INS	PECTION AND OVERHEAD) (5.7%)				3,858
TOTAL REQUEST						71,547
TOTAL REQUEST (R	OUNDED)					72,000
EQUIPMENT FROM O	THER APPROPRIATIONS	(NON-ADD)				(220.0
Lakehurst (JBM footings as wel concrete floor insulation and improvements, p work necessary demolition of t construction in General Buildin Building Requir protection requ Air Conditionin 11. Requirement	-	includes cond pread footing steel frame, r etal roof. The cations infra e and useable 759 SM). Faci. the DoD Unifie d UFC 1-200-00 ject will comy 4-010-01.	rete f s and metal e proj struct facil lities ed Fac 2, Hig ply wi Subst	oundation column bol siding wit ect includ ure and al ity. The p will be d ilities Cr h Performa th DoD Ant	wall and st ts, reinfor h vinyl bac es utilitie l other sup roject incl esigned as iteria (UFC nce and Sus iterrorism/	rip ced ked s, site porting udes permanent) 1-200-01, tainable
REQUIREMENT: 7 the fourth KC-4 hangar space is activities whic CURRENT SITUAT)	The Air Force has A Main Operating required to supp th must be accompl CON: JBMDL curren ermanently assigne	designated JB Base (MOB 4) ort KC-46A ma ished in an er tly has a def	MDL as . Adeq intena nclose icit o	the prefe uately siz nce, repai d facility f 5 covere	rred altern ed and conf r and inspe d maintenan	igured ction ce spaces

1. COMPONENT	FY 2018 MILITAR	RY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(con	mputer generated)	
3. INSTALLATION	, SITE AND LOCATION	4. PROJECT TITLE	
JB MCGUIRE-DIX-	LAKEHURST	KC-46A TWO BAY GENERAL PURPOSE	MX HANGAR
MCGUIRE AFB			
NEW JERSEY			
			am (\$000)

5. PROGRAM ELEMENT	6. CATEGORY CODE	7. RPSUID/PROJECT NUMBER	8. PROJECT COST (\$000)
41221	211-111	2795/PTFL163019	72,000

use by the KC-46A. Workarounds include accomplishing indoor maintenance, repair and inspective activities in the outdoors.

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.

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.

B MCGUIRE-DIX-LAKEHURST KC-46A TWO BAY GENERAL PURPOSE I CGUIRE AFB EW JERSEY S. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$00 41221 211-111 2795/PTFL163019 72,000 2.1 SUPPLEMENTAL DATA: a. Estimated Design Data: 01-MAY-17 (a) Date Design Started 01-MAY-17 0% (b) Parametric Cost Estimates used to develop costs YES * (c) Decent 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 (a) Standard or Definitive Design - YES (b) Where Design Was Most Recently Used - McConnell (a) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) (a) Total Cost (c) = song Costs 2,160 (c) Total 6,480 (d) Construction Contract Award 18 AUG (f) 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 fro		ON AND LOCATION		4. PROJECT	TTT.F	
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(1) Status: 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) Construction Contract Award 18 AUG (f) Construction Contract Award 18 AUG (f) 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 APPROPRIATION OR REQUESTED (\$0 COMMUNICATIONS EQUIPMENT 3400 2020 10	2. SUPPLEMEN	TAL DATA:				
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