



116th Civil Engineer SQ



Construction Program Update 2022

Captain Jonathon McKnight
Deputy Base Civil Engineer
116th Civil Engineer Squadron





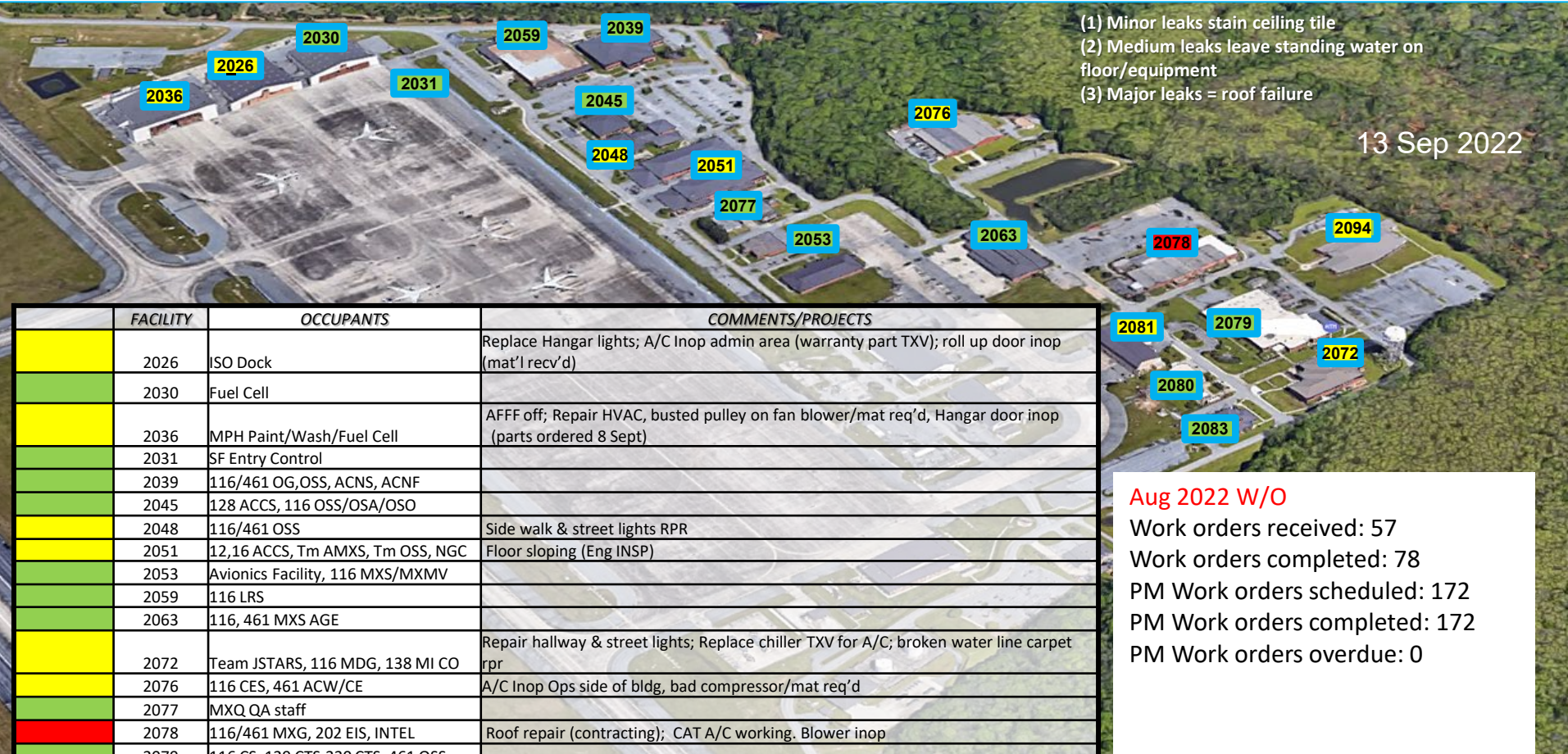
Overview



- Introduction
- Campus Overview
- FY 21 Project Program Recap
- FY 22 Project Program
- New Mission Updates & Construction
- Questions



Facility Status: Team JSTARS East Ramp



- (1) Minor leaks stain ceiling tile
- (2) Medium leaks leave standing water on floor/equipment
- (3) Major leaks = roof failure

13 Sep 2022

	FACILITY	OCCUPANTS	COMMENTS/PROJECTS
	2026	ISO Dock	Replace Hangar lights; A/C Inop admin area (warranty part TXV); roll up door inop (mat'l recv'd)
	2030	Fuel Cell	
	2036	MPH Paint/Wash/Fuel Cell	AFFF off; Repair HVAC, busted pulley on fan blower/mat req'd, Hangar door inop (parts ordered 8 Sept)
	2031	SF Entry Control	
	2039	116/461 OG,OSS, ACNS, ACNF	
	2045	128 ACCS, 116 OSS/OSA/OSO	
	2048	116/461 OSS	Side walk & street lights RPR
	2051	12,16 ACCS, Tm AMXS, Tm OSS, NGC	Floor sloping (Eng INSP)
	2053	Avionics Facility, 116 MXS/MXMV	
	2059	116 LRS	
	2063	116, 461 MXS AGE	
	2072	Team JSTARS, 116 MDG, 138 MI CO	Repair hallway & street lights; Replace chiller TXV for A/C; broken water line carpet rpr
	2076	116 CES, 461 ACW/CE	A/C Inop Ops side of bldg, bad compressor/mat req'd
	2077	MXQ QA staff	
	2078	116/461 MXG, 202 EIS, INTEL	Roof repair (contracting); CAT A/C working. Blower inop
	2079	116 CS, 129 CTS, 330 CTS, 461 OSS	
	2080	116 LRS HAZMART	
	2081	116 LRS/LGR	Replace package 20-ton A/C unit (project)
	2083	202 EIS	
	2094	116 MSG, SFS, FSS/ 461 FM, IG	Broken sewer line NE side of bldg. (SFS area)
	Ramp	116 ACW / 461 ACW	

Aug 2022 W/O

Work orders received: 57
 Work orders completed: 78
 PM Work orders scheduled: 172
 PM Work orders completed: 172
 PM Work orders overdue: 0

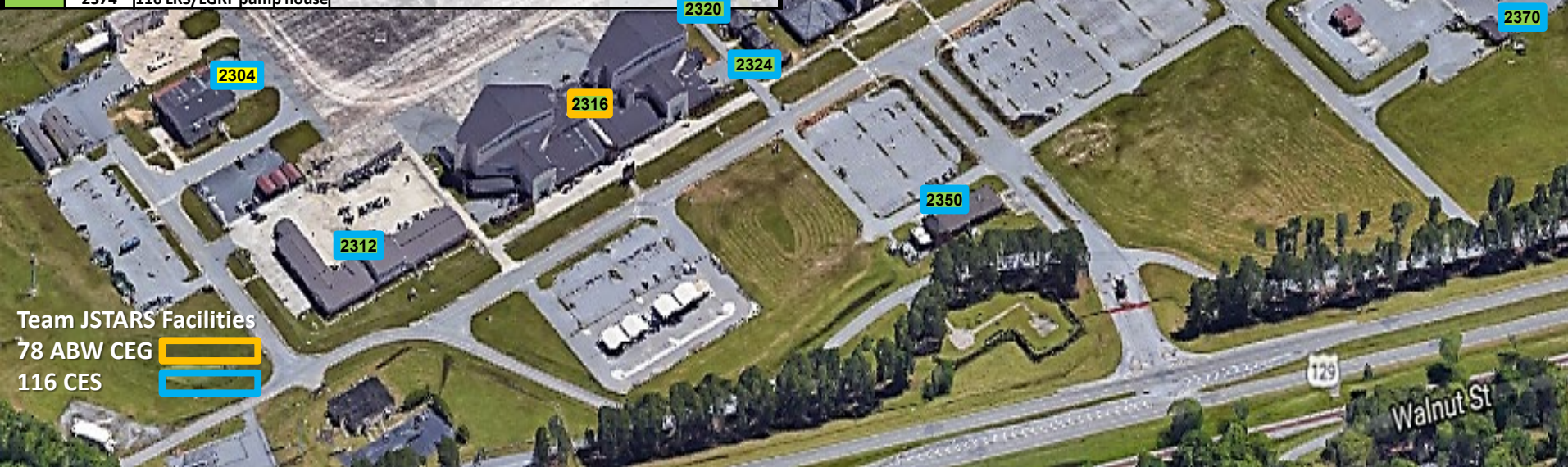


Facility Status: Team JSTARS West Ramp



STATUS	FACILITY	OCCUPANTS	COMMENTS/PROJECT
Yellow	2304	116, 461 MXS/MXMP	No Hot water/replace water heater, mat req'd
Yellow	2312	Veh main: 116 LRS/202 EIS	Air compressor (UFR for project)/ A/c mx inop
Green	2316	116 MXS, w/ 461 MXS	
Green	2320	Comm powerhouse	
Green	2324	116, 461 MXS	
Green	2328 (78 CEG Fac)	116, 461 MXS	
Green	2350	116 SVF, EM	
Green	2370	116 LRS/LGRF fuel lab	
Green	2374	116 LRS/LGRF pump house	

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Team JSTARS Facilities
 78 ABW CEG
 116 CES



Dobbins Footprint





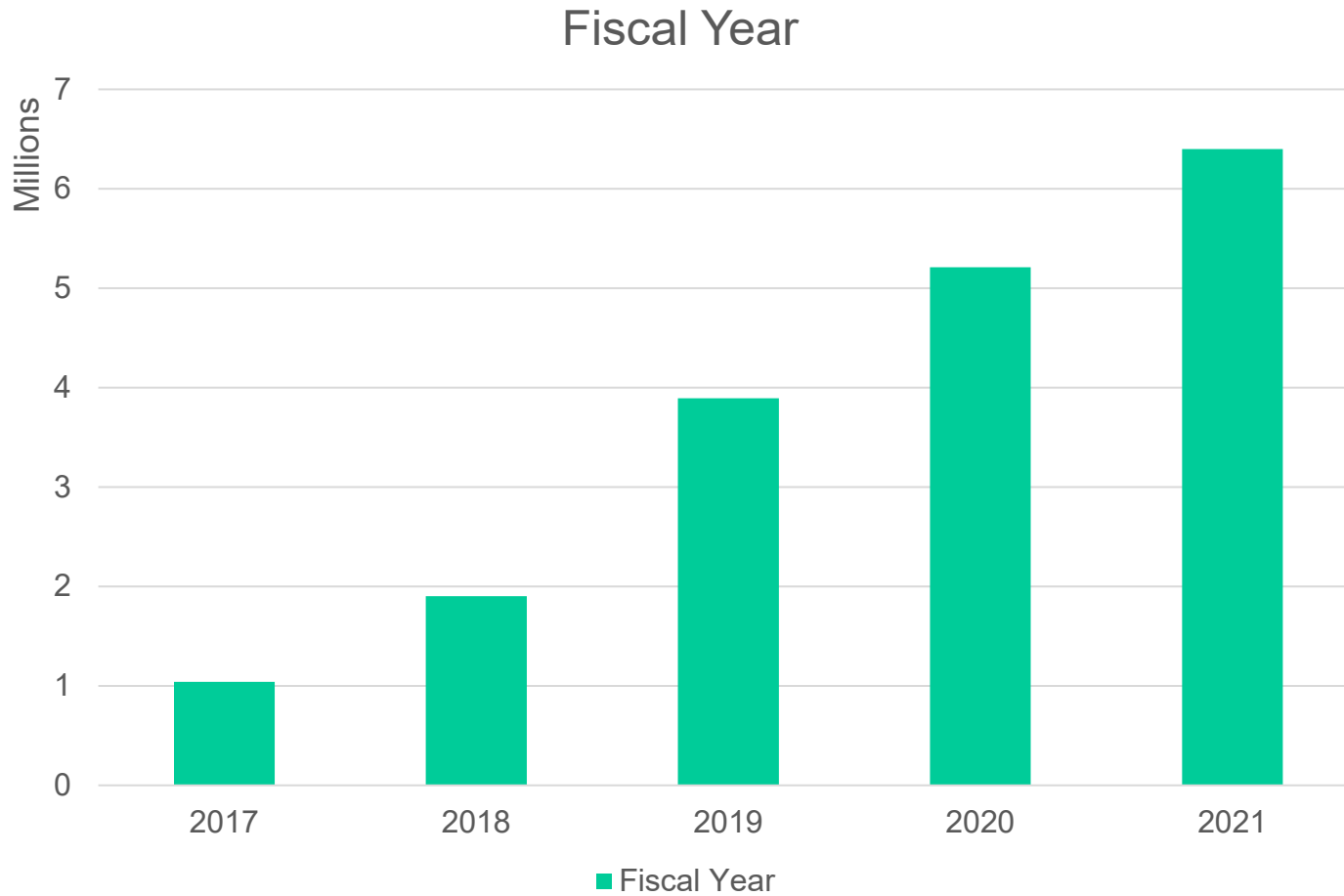
FY 21 SRM Recap



- Awarded \$6,404,670 (largest funding spend in last 5 years)
- Executed Wing FUB priority #2 – 10
- Awarded NGB FUB priority #1 (B2078) and #10 (Joint Sealant)
- Completed 11 Emergent Projects



Program Growth FY17- Present





Local Projects Completed FY22

<u>BLDG</u>	<u>Title</u>	<u>Wing 3rd qrt FY21 Priority</u>	<u>ECD (Est Completion Date)</u>	<u>Contract Amount</u>
Dobbins	RPR Fire Suppression	#2	Oct 2022	\$106,994
Robins	RPR Fire Suppression	#3	Complete	\$31,828
B2051	RPR HVAC Ducts	#4	July 2022	\$119,000
B2026	RPR Hangar Door	#5	Complete	\$99,710
B2036	RPR Lights	#6	Complete	\$106,873
B826	RPR Roof	#7	Complete	\$122,726
B2039	RPR HVAC Ducts	#9	Complete	\$47,965
B2045	RPR HVAC Ducts	#10	Complete	\$22,950

* #8 was awarded as an emergent project (B2026 A/C)



NGB Projects FY22

<u>BLDG</u>	<u>Title</u>	<u>Wing 3rd qrt FY21 Priority</u>	<u>ECD (Est Completion Date)</u>	<u>Contract Amount</u>
B2078	RPR Roof and HVAC	#1	July 2023	\$4,205,200
Ramp	RPL JSTARS Joint Sealant	#10	Complete	\$1,061,770



'21 FUB Priority #5 Repair JSTARS Ramp Joint Seals

Project #: (78 CONS)

Title: Repair Joint Seals

Cost : \$1,061,770.36

NTP: 15 Jan 2022

PoP: 142 days

ECD/BOD: 31 May 2022

Status: 100% Complete

Contractor: Precision 2K

Inspector: (78 CEG) Walter Carter

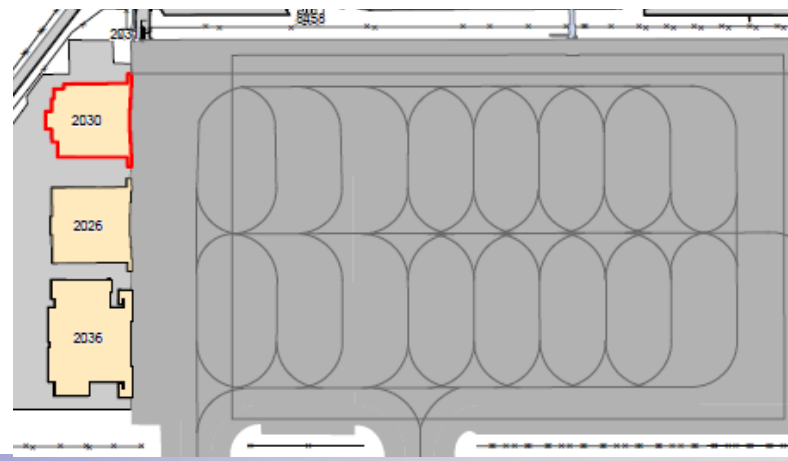
Engineer: Capt Chad Hypes

Facility Manager: MSgt Ford

Description:

**Replace 155K LF of joint sealant,
repair 100 spalls, apply asphalt sealant
pavement shoulder areas**

**Way Ahead:
Complete**





'21 FUB Priority #2 RPR HVAC Ducts



Project #: UHHZ192019/212014/212015

Title: Repair HVAC Ducts

B2051/2045/2039

Cost : \$190K

NTP: 7 March 2022

PoP: 180 days

ECD/BOD: 4 Aug 2022

Status: 100% Complete

Contractor: Hughes Environmental

Inspector: MSgt Baskerville

Engineer: Capt Hypes

Facility Manager: TSgt Primus

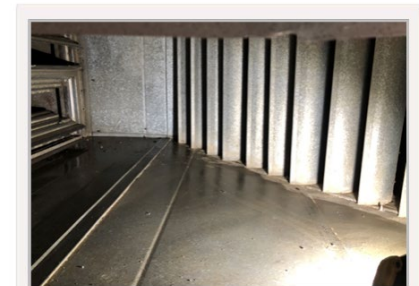
Way Ahead: Project Complete

Description:

-This project will clean all of the air distribution systems on both first and second floors of B2051 (North and South including Coats Hall). Cleaning includes air handling unit components, outdoor air intakes, VAV boxes, reheat coils, and supply, return and exhaust ductwork; the intent is the entire HVAC distribution system of building 2051.



Before



After

Robins Air Force Base
Duct Cleaning
Warner Robins, GA
May-July, 2022



NGB FUB Priority #2

Repair Roof & HVAC, B2078



Project #: UHHZ082912 (78th CONS)

Title: RPR Roof HVAC B2078

Cost : (\$4.2M low bid)

NTP: 8 Oct 2021

PoP: 365

ECD/BOD: July 2023

Status: 25%

Contractor: GSC

Inspector: MSgt Baskerville

Engineer: Capt Hypes

Facility Manager: SSgt Adam Parish

Description:

Replace Roof and HVAC system components.

**Type C Construction Services Awd'd
27 Sept- \$197,677.**

Way Ahead:

Install remaining 40% of PVC roofing overlay. Interior work to start Sept 19 2022.

Issues: Lead time for HVAC materials.





TOP 10 Construction (Local) FY22



<u>SCORE</u>	<u>BLDG</u>	<u>Title</u>	<u>Local PA</u>	<u>Wing 1st qrt Priority</u>	<u>Wing Priority FY23</u>
	OBASE	Area Development Plan (ADP) Lite	\$70,000	New	
160	2079	Construct JISCC Support Area	\$50,000	1	
45	OBASE	RPR Boilers/HVAC	\$300,000	2	
35	OBASE	RPR Roads and Parking	\$300,000	3	
10	OBASE	Construct Running Trail	\$250,000	4	22
20	2372	Install Canopy	xxx	5	1
20	2036	RPR Roof	xxx	6	2
10	OBASE	RPR Parking Dobbins	xxx	7	3
10	905	RPR HVAC	xxx	8	4
10	910	RPR HVAC	xxx	9	5
10	829	RPR Roof and HVAC	xxx	10	6

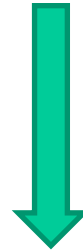
TOP 10 Projects, \$2,297,000 Local



Proposed Facility Transfers



JSTARS



ABMS FOS (Family of Systems)





ABMS FoS Overview

116 ACW Family of Systems Facility Development



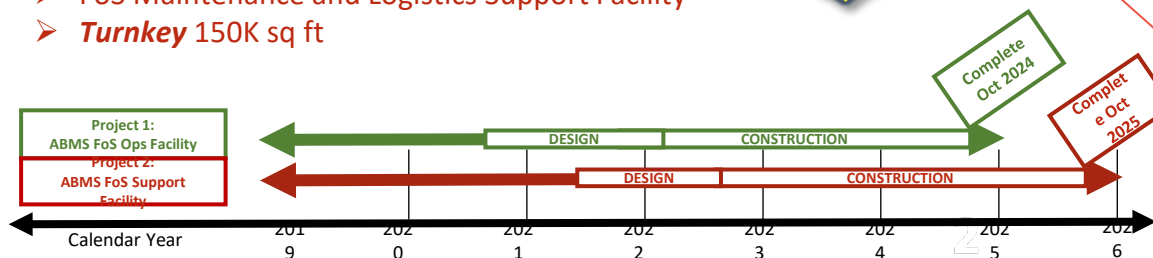
Project #1: In Construction; NTP 14 April

- Family of Systems (FoS) Ops Facility
- \$72M Contract Awarded to ACC Construction, Augusta
- Turnkey, 60K Sq Ft Facility (ICD 705/ SCIF)



Project #2: 100% Designed; Ready to Advertise 1 Jul

- FoS Maintenance and Logistics Support Facility
- Turnkey 150K sq ft



★ CUSTOMER: SAF/AQ

★ 116 CES LEAD GOV'T ENTITY
★ DESIGNER/CONTRACTOR: USACE

★ FUNDING: 3080 * NOT MILCON



Construct FoS Ops Facility



Contract #: W912HN-22-C-3002

Title: Construct ABMS Ops Facility, RAFB

Cost : \$72M

NTP: 14 Apr 2022 **PoP:** 900 calendar days

Completion Date: 9/30/2024

Status: Demo started 5/24

Contractor: ACC Construction Company, Inc.

Managed by: USACE, Savannah District

Resident Engineer: Mr. Richard N. Thomas

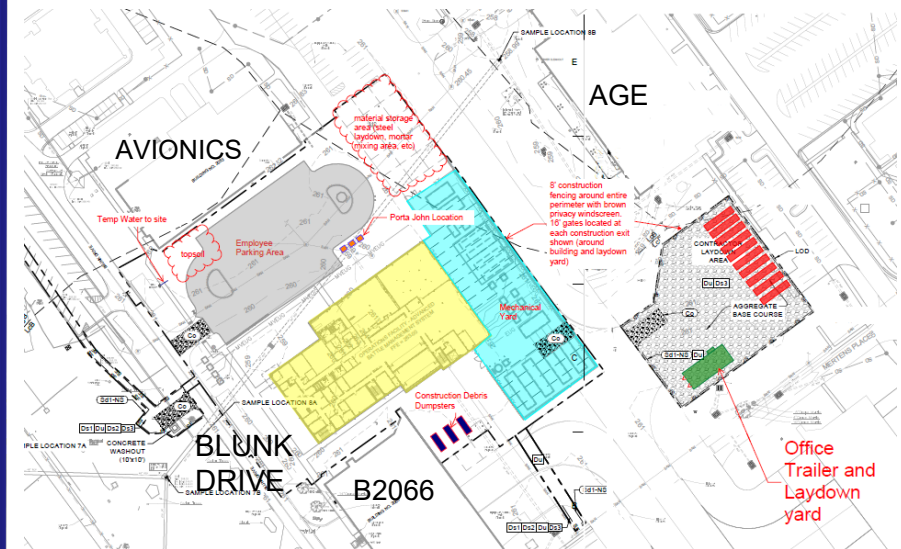
Project Engineer: Mr. Hal Livingston

ACC Superintendent: Mr. Devrick Bailey

Way Ahead: Install of temp fence complete. Wind screen in- progress. Ductbank work on going in NE area of flightline. Structural Steel delivery projected 1st week of Nov.

Description:

The work includes construction of the ABMS FoS operations and support facility. Exterior work includes the necessary exterior utilities, access pavements, fire protection, site work, and support. **Special Construction Requirements:** Entire facility will be a Secure Compartmentalized Information Facility (SCIF). The facility will be constructed to turnkey, FF&E included.

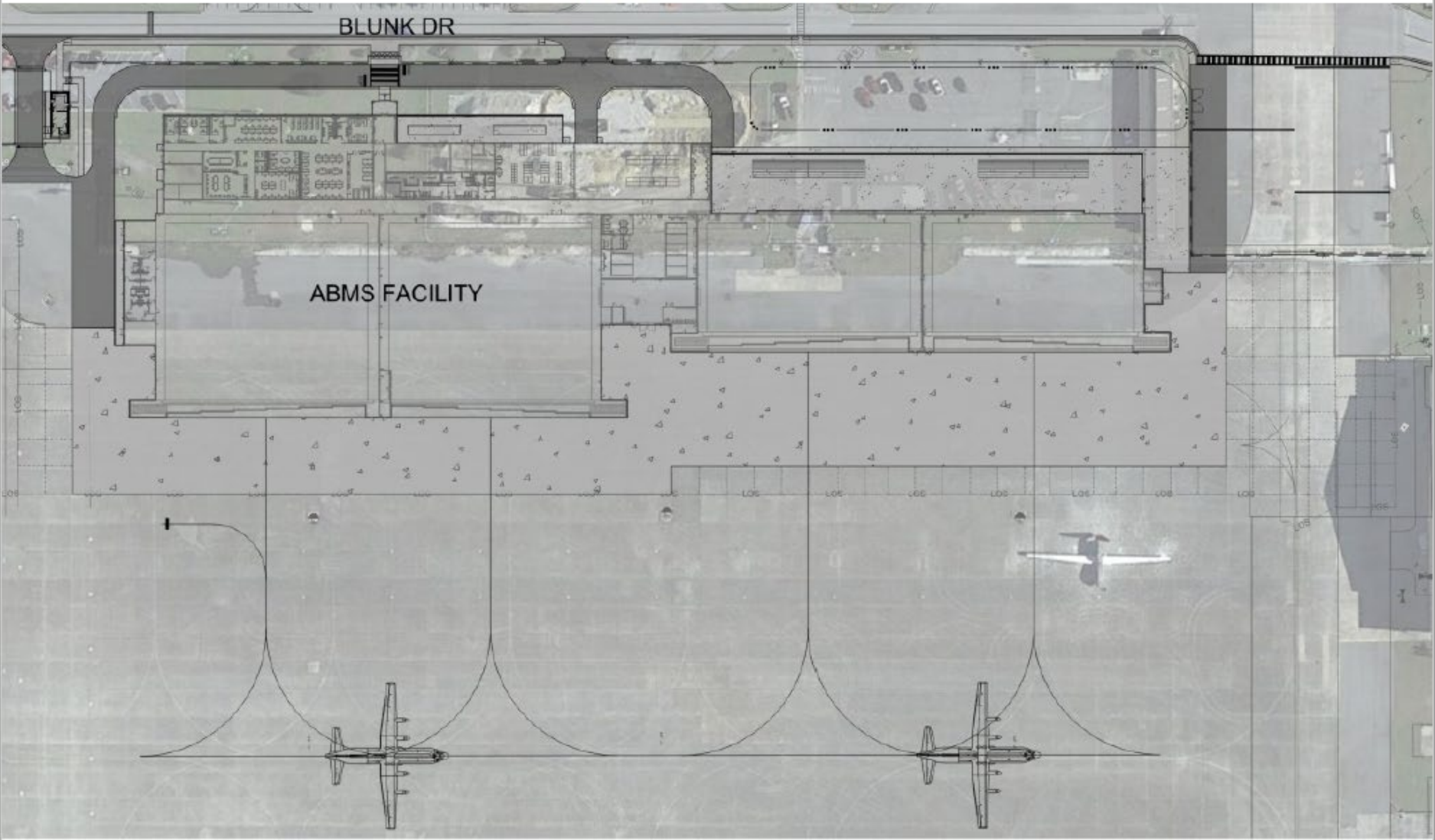




ABMS FoS Hangar Complex



SITE PLAN





SUCCESS STORIES



NEW **Robins ADP Lite**



Project #: UHHZ222007 (APPN 31)

Title: Robins ADP Lite

Cost : \$70K

NTP: TBD

PoP: 120 days

ECD/BOD: TBD

Status: Contract Award in progress

Contractor: Burns & McDonnell

Inspector: 2Lt Pike

Engineer: Capt McKnight

Description:

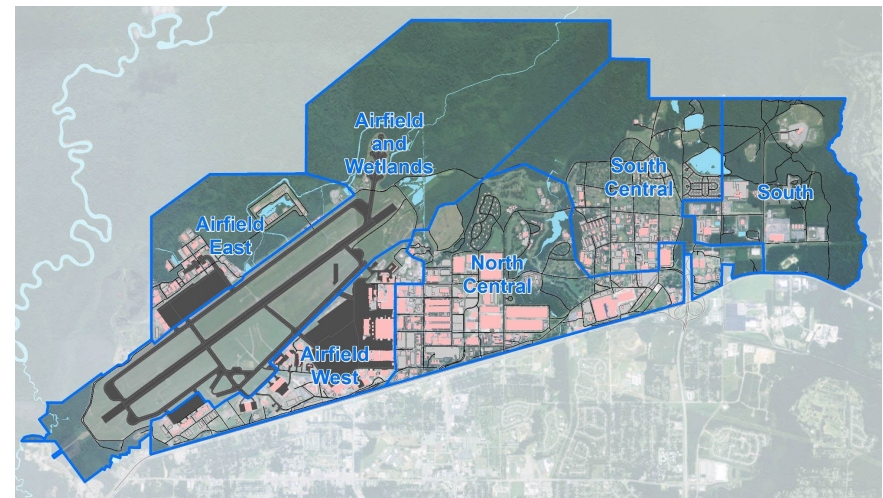
ADP Lite will provide a comprehensive look at upcoming new mission requirements and the existing facilities that will support new occupants. A-E firm will provide suggestions for space utilization and i.d. potential future projects to support conversion efforts.

Way Ahead:

**In process of Contract Award through State.
Estimated Award date end of September.**

Issues:

Delayed Contract Award





FY22 State Program Projects



PROJECT:	Cost:	ECD:
UHHZ222007 Robins AB ADP Lite	\$70,000	Awt Award
UHHZ222004 B2036 RPR Gas Leak	\$11,000	Complete
UHHZ222005 B2039 RPR Transformer	\$6,400	Complete
UHHZ222006 B2078 RPR Paint Vault	\$5,800	Complete
UHHZ222009 RPR Veh Ops Air compressor	\$38,000	Awt Award



Questions?



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