



116th Civil Engineer SQ



Facility Projects Program Overview

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Deputy Base Civil Engineer





Overview



- Campus Overview – New Footprint
- Engineering Process within 116CES
- FY 22-23 Program Recap
- Current MILCON Ivl Construction
- FY 24 & Beyond
- What's New?
 - Advanced Planning Process
 - A-E Services for ANG
 - APP31
- Questions



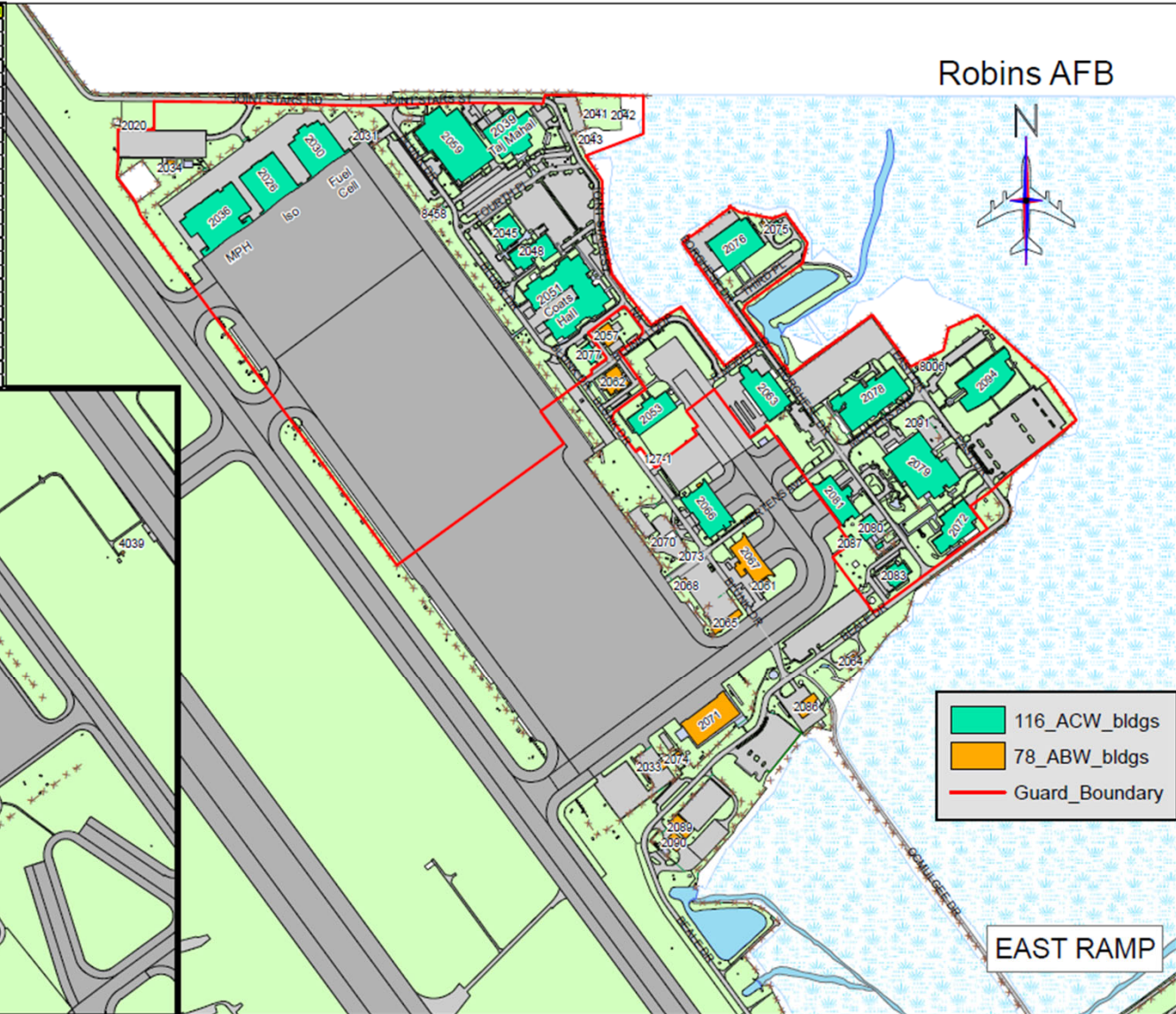
Campus Overview



Existing 116th ACW Facilities

- 109 Acres
- \$607M infrastructure
- 29 Facilities
- 3100 prsnl

Facility	ORGANIZATION	Total SQ FOOTAGE	Area UM
2026	116 MXG	38,136	SF
2030	116/461 MXS	39,142	SF
2036	116/461 MXS	64,117	SF
2039	116/461 OG, 116/461 OSS, 116 ACNPF, 461 ACN6, 577 SMOX	66,170	SF
2045	116 OSS, 128 ACCS	23,564	SF
2048	116/461 OSS	23,387	SF
2051	12/16 ACCS, 116 AMXG, 116/461 OSS	115,820	SF
2053	116 MXG	20,422	SF
2059	116 LRS	53,677	SF
2063	116/461 MXS	26,640	SF
2066	116/461 MXS	30,230	SF
2072	116/461 ACW, 116 MDG, 138 MI CO	52,533	SF
2076	116 OES	33,238	SF
2077	116 MXG QA	3,866	SF
2078	116/461 MXG, 202 EIS	43,604	SF
2079	116 OS, 129/330 CTR, 461 OSS	54,017	SF
2080	116 LRS HAZMAT	6,597	SF
2081	116 LRS	20,463	SF
2083	202 EIS	8,073	SF
2084	116 MSG, 116 SPS, 116FSS, 461 ACW	34,500	SF
2302	116/461 MXS (Hush House Pad)		GY
2304	116/461 MXS	14,000	SF
2312	116 LRS, 202 EIS	22,606	SF
2320	CASB	2,320	SF
2324	GVM	1,600	SF
2360	116 FSS, 461 OSS	7,172	SF
2370	116 LRS	1,644	SF



WEST RAMP

EAST RAMP

Legend:

- 116_ACW_bldgs
- 78_ABW_bldgs
- Guard_Boundary



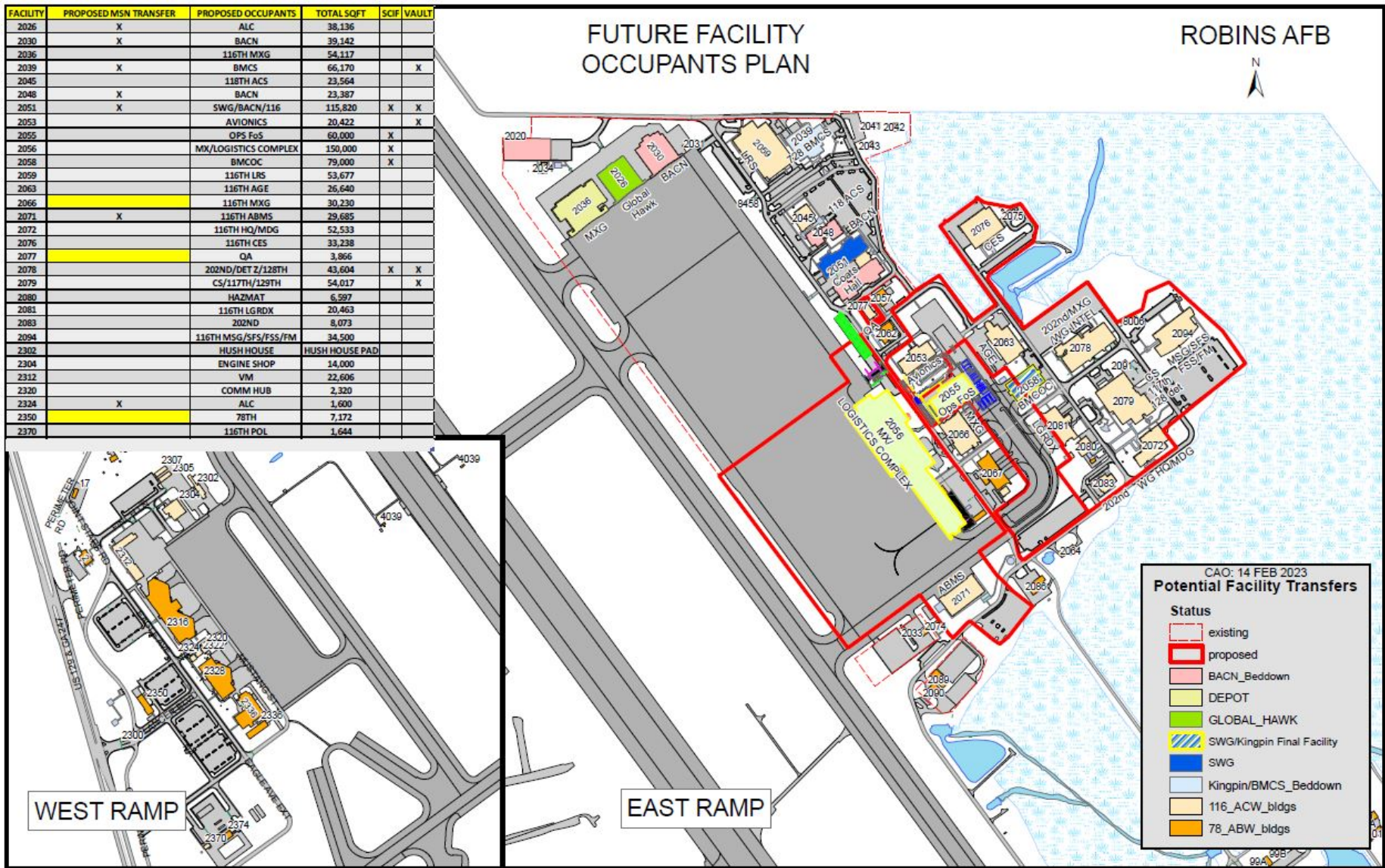
Dobbins Footprint



- 13 Facilities
- 283rd Combat Comm
- State & Fed Counter Drug



Future 116th ACW Facilities



Transferring Approx 43% of SF back to 78th ABW
Total 9 Facs



Engineering Process Cradle to Grave



116th CES Process



Plan

- Installation Development Plan
 - Facility Board
 - Project Data System
- Weekly CE Ops Standup/Wing Brief
- Monthly CE Staff Meeting

Execute

- CE Customer Service/ GA DoD State Maintenance/ANG Engineers (332 Work Order and Project Process)
- Local 998 SRM (Sustainment, Renovation, Modernization Repair)
- FOMA (Facility Operations and Maintenance Activities)
 - 524 and 520 NGB Funded Design/Build Projects
 - Facility Investment Metric (2% PRV)



Improve

- CE Customer Service SharePoint
- Facility Working Group
- Facility Manager Training and Town Hall
- BCE/DBCE Conferences
- FM Conferences
- NGB A4 Classes

Analyze

- FE Tool (Facility Effectiveness)
- AMT (Asset Management Tool)
- BUILDER (Building Status)
- iEMS (Integrated Engineering Management System)



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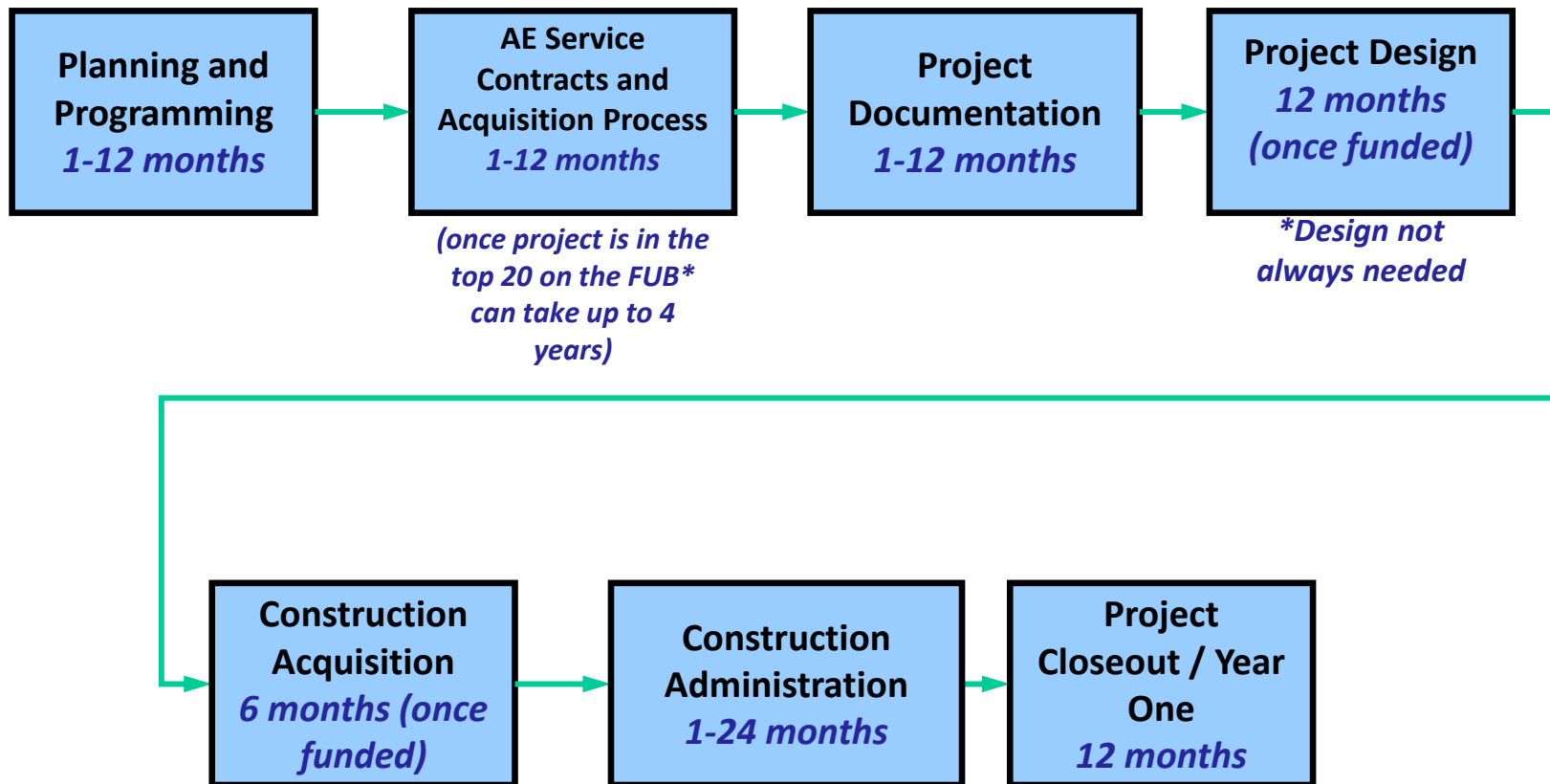




Project Execution Process



Average project across ANG is 5yrs. Cradle to Grave (MILCON-New Construction- 7yrs)



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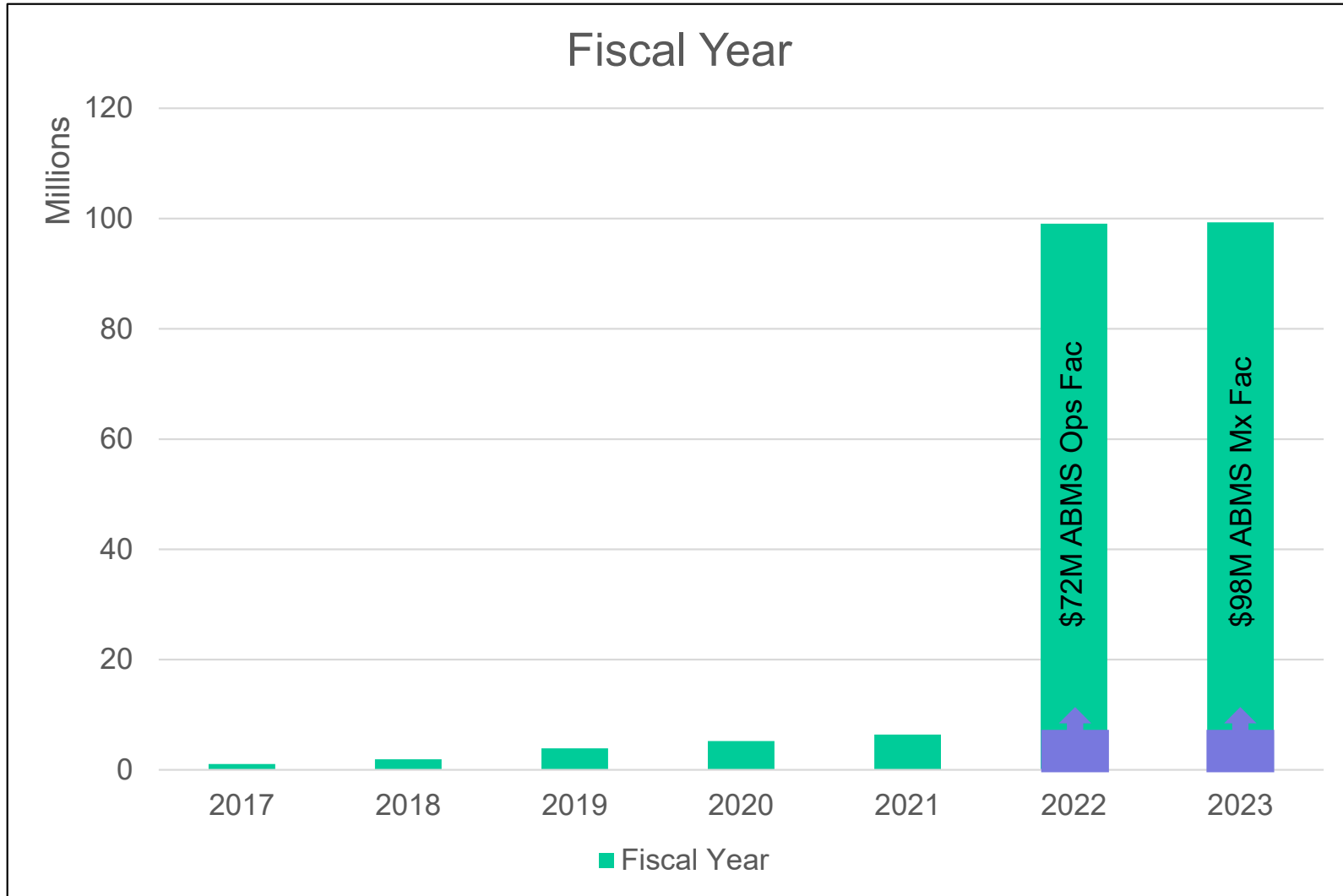




Fiscal Year 22-23 Recap



Program Growth FY17- Present





Fiscal Year 22-23 Recap



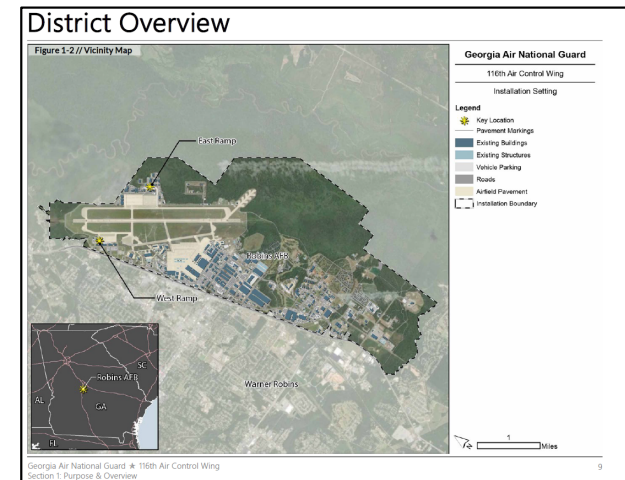
- FY22
 - Awarded \$99M in local and MILCON I/II CNS
 - JISCC – Complete, \$192K, previous pri #1
 - East Dr. Drainage – Complete, \$106K, previous pri #3
 - Award ADP – 70% Complete, \$70K, previous Emergent
 - Awarded ABMS FoS OPS fac CNS (not locally funded), \$72M



JISCC



East Dr. Drainage



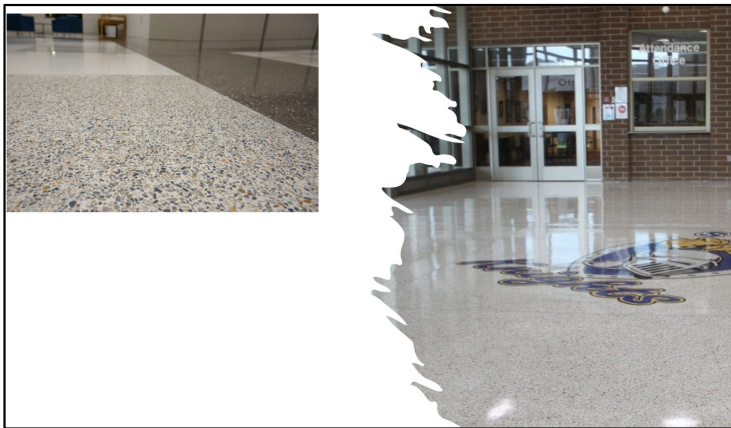
ADP Lite



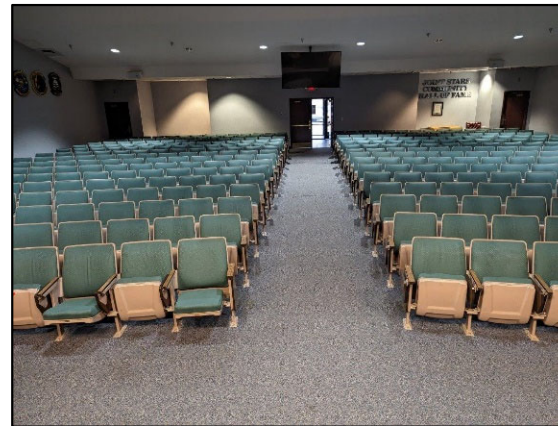
Fiscal Year '23



- FY23
 - Awarded \$99,000,000 Total
 - (Includes ABMS FoS Mx/Log Complex)
 - Executed Wing FUB priority #1 – 6
 - Completed 3 Emergent Projects



B2072 Lobby Floor pri #2



B2051 Coates Hall pri #6



Elliot Storm Damage - Emergent




TOP *10 Construction (Local) FY23



<u>BLDG</u>	<u>Title</u>	<u>Local PA</u>	<u>Wing FY 23 1st qrt Priority</u>
2030	RPR MX Supply Fence	\$18,484	1
2079	RPR Comm Server HVAC	\$14,237	*Out of Cycle
2072	RPR Chiller and Lobby Floor-Stairs	\$295,094	2
2051	RPR Storm Damage B2051/2328	\$137,800	3
2320	RPR COMM Security B2320	\$38,079	4
Dobbins	RPR HVAC Dobbins	\$272,293	5
2051	RPR Coats Hall Lighting	\$52,132	6
<i>2078</i>	<i>RPR FoS Secure Area</i>	<i>\$75,000</i>	<i>New</i>
<i>OBASE</i>	<i>Parking Lot Fog Seal</i>	<i>\$75,000</i>	<i>New</i>
<i>2071</i>	<i>RPR MX Training Facility</i>	<i>Other</i>	<i>New</i>
2372	Install Canopy	DLA/LRS	7

FUB Approved TOP *6 Projects \$978K

 FY 23 Funding Cutoff



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Advanced Battle Management (ABMS) Construction Overview



JSTARS



ABMS FOS (Family of Systems)

BACN ----- "Kingpin" ----- SWG

Battlefield Airborne Communication Node

Spectrum Warfare Group



ABMS FoS Overview





ABMS FoS Overview



116 ACW Family of Systems Facility Development



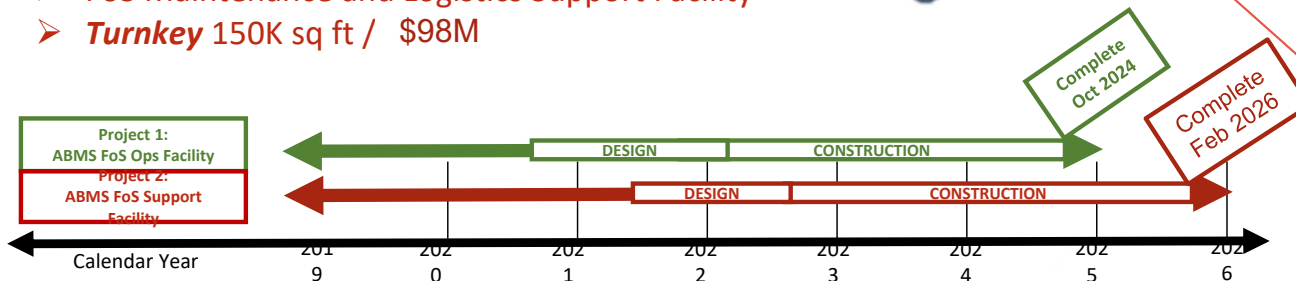
Project #1: In Construction; NTP 14 April

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



Project #2: Awarded Jan 2023

- FoS Maintenance and Logistics Support Facility
- Turnkey 150K sq ft / \$98M



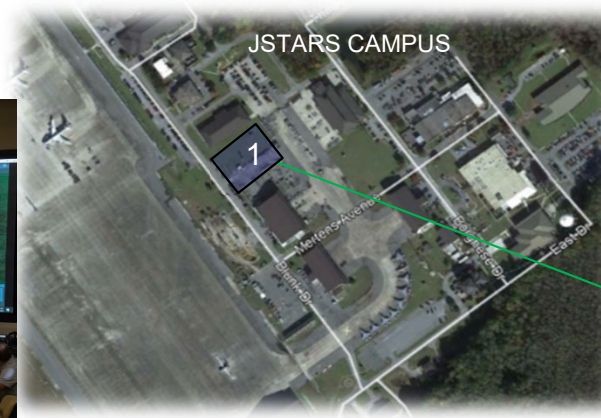
★ 116 CES LEAD GOV'T ENTITY

★ CUSTOMER: SAF/AQ

★ DESIGNER/CONTRACTOR: USACE

★ FUNDING: 3080 * NOT MILCON

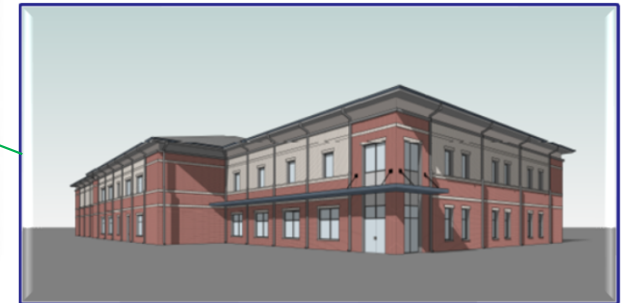
Advanced Battle Management FoS Operations Facility



**** In-Progress****

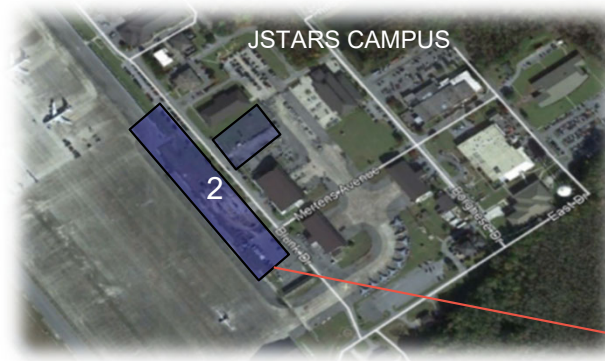
Project #1

- Construction Start: March 2022
- Construction Complete: Oct 2024
- Turnkey 60K sq ft (ICD 705 / SCIF)



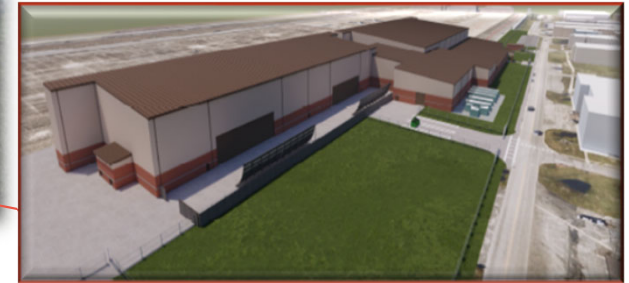
- Georgia Air National Guard Led Mission – Active Duty (Active Associate)
- Next Generation System of Systems
 - Integrating Joint All Domain Command & Control (JADC2), Battlefield Surveillance
 - Providing Commanders better Situational Awareness / Decision Superiority in Combat
- Advanced All Domain Fusion Center
 - Advanced Networking, Sensing Grid, AI, Convergence of Effects

Advanced Battle Management FoS MX Logistics Facility



Project #2: **** In-Progress****

- Construction Start: June 2023
- Construction Complete: Feb 2026
- Turnkey 150K sq ft



- Georgia Air National Guard Led Mission
- Agile Combat Employment (ACE)
 - Proactive/Reactive Operational Scheme of Maneuver supporting JADC2
 - Supports Operations that are increasingly interconnected, interdependent and challenged
- Multi-Capable Airmen
 - Airmen Capable of accomplishing tasks outside of core AFSC



ABMS FoS Logistics Facility





FY24 & Beyond NGB Projects



Robins AFB Planning/ Programming (NGB)



<u>NGB Priority</u>	<u>PY</u>	<u>BLDG</u>	<u>Title</u>	<u>NGB Funded-PA</u>	<u>116 CE Recommendation</u>	<u>Wing Recommendation</u>
1	2031	2066	RPR Backshop Facility	\$xxxx	1	
2	2031	2081	RPR 202 nd EIS	\$xxxx	2	
3	2031	2059	*Consolidate LRS	\$xxxx	3	
4	2031	Obase	RPR Roads and Parking	\$xxxx	4	
5	2030	2071	RPR FoS Maint Training Facility	\$xxxx	5	
6	2031	2078	RPR FoS Facility	\$xxxx	6	
7	2031	Obase	RPR Campus Pavements	\$xxxx	7	
8	2031	2036	RPR Corrosion Control	\$xxxx	8	
9	2031	2080	RPR Hazmat Pharmacy	\$xxxx	9	
10	2031	2079	RPR Sq Ops Bldg	\$xxxx	10	



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What's New?



What's New: Advanced Planning



Advance Planning (AP)

“It is easy to solve a problem that everyone sees. It is much harder to solve a problem no one sees.”



What's New: Advanced Planning



Required for all MILCON and complex SRM (generally \$6.5M & up)

- **Intent:** To ensure project scope/cost is thoroughly defined
 - **Goal:** Minimize changes during Design and Construction
 - **Outcome:** Draft DD1391, cost estimate, and charrette report to defined project scope for design eligibility and FYDP consideration
 - **Two Phases:**
 - **AP1** is the primarily a problem statement presenting potential solutions
 - **AP2** is a detailed assessment and results in the outcome documents (planning charrette report, cost estimate, 1391)
-



What's New: A-E NEXT



- The US Air Force Installation Contracting Center (AFICC) has awarded a set of architect and engineering services contracts under the \$2bn Architect-Engineer Next (AE Next) program.
- Used for Air National Guard design projects, limited to facility design work.
- Pool 4 - Facilities & General Infrastructure - unrestricted:
 - facility design work too complex for a small business to perform.
 - “Complex design project” = total design cost (Type A & B services combined) greater than \$1M (DFARS 219.502-2).



Contracts under Pool 4 will provide services for traditional design, construction inspection and other engineering work supporting mission-ready infrastructure. Credit: USAF / Greg L Davis.

A-E Next Program Contract Pools

POOL ONE

Airfield Infrastructure
Small Business
 Reserve & Full
 & Open
 Worldwide

POOL TWO

Facilities
Small Business
 Set-Aside
 United States



POOL THREE

General Infrastructure
Small Business
 Set-Aside
 United States

POOL FOUR

Facilities and
 General Infrastructure
Full and
 Open
 Worldwide





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- Pool 1 - Airfield Infrastructure design projects only
- Pool 2 – Cancelled (small business facility design)
- Pool 3 - General Infrastructure - small business set aside: Designs and studies related to utilities.
- Pool 4 - Facilities & General Infrastructure - unrestricted: We can only use Pool 4 for facility design work if the project is too complex for a small business to perform. A complex design project is defined as a project with a total design cost (Type A & B services combined) **greater than \$1M** (DFARS 219.502-2).



A-E NEXT- Regional IDIQs



- AQ-R is currently in the process of procuring a series of regional A-E IDIQ contracts.
- (9) regions (separate acquisitions) that will be in place over the next four (4) to 14 months.

- Horizontal Region 2
 - FL, GA, NC, SC, AL, IN, KY, MS, TN, AR, KS, LA, MO, OK, TX
 - Estimated Award: 12/31/2023
- Fire Suppression
 - National - Support the 54
 - Estimated Award: 10/31/2023



- New Multi-Region Vertical Program
 - MI, NJ, NY, OH, PA, DE, DC, MD, VA, WV, FL, GA, NC, SC, AL, MS, IN, KY, TN,
 - AR, MO, IA, IL, MN, WI, ND, SD, ID, MT, WY, KS, LA, OK, TX, NE, AZ, CO, NM, UT, CA, NV, OR, WA
 - Estimated Award: 6/30/2024



A-E SATOC (Near Term)



- AQ-R is currently in the process of procuring an A-E Single Award Task Order Contract.
 - Covers Design Services For:
 - Horizontal
 - Vertical
 - Fire Suppression
 - One year usage from time of Award
 - < \$1M Design
 - Stop gap for Regional Services coming online
 - Contract Award pending as of Sept 2023
-



What's New- APP 31



■ Appendix 31

■ Up to 100% local SRM

■ State Contracting

■ Utility:

■ Design services (AP1)

■ Local construction

FY22 – FY23 Awarded Projs	
UHHZ222004 B2036 Gas Leak RPR	\$11,073.00
UHHZ222007 Micro ADP	\$69,810.81
UHHZ 222008 B2039 Circuits	\$5,639.46
UHHZ212026 RPR JISCC	\$192,822.21
UHHZ 222006 RPR Paint B2078 Vault	\$5,851.48
UHHZ222002 RPR Parking & Roads	\$106,871.20
UHHZ222011 RPR B2039 carpet	\$3,986.23
UHHZ222005 B2039 Transformer RPR	\$6,437.00
UHHZ222013 RPR B2030 Fence	\$18,484.83
FGWB172001 RPL HVAC Multi Bldgs	\$272,292.86
UHHZ2320216 RPR Storm Damage B2051-2328	\$137,744.91
UHHZ232026 RPR B2079 Comm HVAC	\$14,237.00
UHHZ232015 RPR Lighting Coats Hall B2051	\$52,132.00
UHHZ202004 Rpr Chiller and Lobby B2072	\$295,093.54
UHHZ182015 RPR Comm Rm B2320	\$38,079.19
UHHZ232032 RPR B2071 RPR HVAC Compressors	\$15,373.00
UHHZ232034 RPR Parking Lot	\$122,849.44
UHHZ232030 RPR B2071 Security	\$136,537.55
UHHZ232029 RPR B2078 Security	\$169,179.75
FGWB232003 RPR Auditorium HVAC	\$5,175.00
20 Total Projects	Total: \$1.67M



Questions?



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