

Maintenance, Repair, and Construction of Facilities and Infrastructure

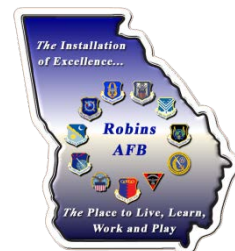


RAFB Construction Program

***Ms. Becky McCoy, P.E.
778th Civil Engineer Squadron
Robins AFB, GA
August 2013***



Overview

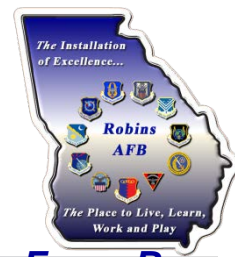


Robins Air Force Base

- **78th Civil Engineer Group Construction**
 - **Active Construction Projects**
 - **Military Construction Program (MILCON)**
 - **Sustainment, Restoration, and Modernization Contract (SRMC) Program**
 - **Depot Maintenance Activity Group (DMAG) Program**
 - **Indefinite Deliverable/Indefinite Quantity (IDIQ) Contracts**
- **Contract Execution Methods**
- **Questions**



O&M & DMAG Construction Projects

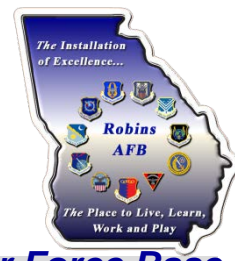


Robins Air Force Base

Project Title	Project Total Cost	% Complete	Estimated Completion Date	Revised Completion Date	Project Contract Mod Count
RPR/RPL 2 LIEBERT UNITS, TECH TNG CLASSROOM, B/761	\$125K	95	24-May-13		0
RPR/RPL AFFF TANK BLADDER, FOAM FR SYS, B/131	\$65K	26	Oct-13		0
RPR/RPL STEAM & CONDENSATE LINES, STEAM HT MAINS, FCLTY/8225	\$1.3M	75	31-Oct-13		0
RPR/DO MODIFICATIONS TO CHILLED WTR SYS,HTG FAC BLDG, B/177	\$1.7M	99	21-Apr-13	30-Jul-13	0
RPR ROOF/ WNDWS/SDG, SHP AFT GEN PUR,B/169	\$9.7M	76	30-Apr-12	31-Dec-13	6
RPR/RPL ROOF, NUMEROUS LEAKS, SHP ACFT GEN PURP, B/321	\$1.1M	38	21-Sep-12	23-Sep-13	0
RPR/RENOV OFC AREA, HG MAINT, B/110	\$150K	38	15-Oct-12	24-Aug-13	0
CNST AIRCRAFT TRAINING PAD, NEAR B/1602	\$600K	98	11-Nov-12		0
RPR/RENOV R/R AND BREAK RMS, HG MAINT, B/110	\$248K	66	1-Dec-12	29-Jul-13	0
RPR/UPGRD FIRE ALARM SYS, AUTO FR DTECTN SYS, B/323	\$419K	85	8-Dec-12	11-Jul-13	1
RPR/RENV BUILDING SYSTEMS, RAC 2, B50	\$2.6M	99	28-Feb-13	22-Sep-13	0
RPR/INST DRAINAGE SYS NEAR B/44, STRM DRN DSPL, FCLTY/8700	\$164K	74	10-May-13	14-Jun-13	1



O&M & DMAG Construction Projects

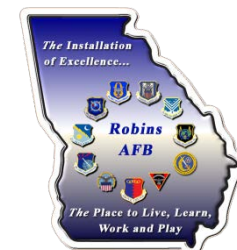


Robins Air Force Base

Project Title	Project Total Cost	% Complete	Estimated Completion Date	Revised Completion Date	Project Contract Mod Count
DEMOLISH FACILITY 288	\$33K	99	26-Jun-12		0
DEMOLISH BLDG 657	\$102K	98	8-Aug-12		0
DEMOLISH/DISPOSE OF BUILDING, MWR SUP/NAF C-STOR, B/659	\$102K	98	8-Aug-12		0
DEMO/REMOVE TOWER, CHRISTMAS TREE AREA , APRON, FAC 87	\$23K	98	8-Aug-12		0
RPR/RPL HVAC SYSTEM, AFCS MAINT FCLTY, B/963	\$1.3M	99	29-Oct-12	21-Jan-13	1
DEMOLISH FCLTY, SWIM PO AMN, B/ 828, 829	\$144K	95	3-Dec-12		0
RPR/RENV RESTROOMS, HG MAINT, B/82	\$315K	69	13-Jun-13	1-Aug-13	1
RPR/RENOV RESTROOMS, HG MAINT, B/81 & 83	\$315K	69	13-Jun-13	1-Aug-13	0
CNST ADDITION TO CORROSION CONTROL FACILITY, B180	\$546K	80	31-Jul-13	28-Jul-13	4
RPR/ RPL FIRE ALARM AND SUPPRESSION SYS, HGH BAY, B149	\$426K	74	31-Aug-13		0
RPR/RENOV LAB, SOFTWARE SUPPORT FLTY, B/229	\$6.4M	32	19-Sep-13	27-Dec-13	0
RPR/RPL MTE RAILS, HGR MAINT DEPOT, B/125	\$615K	49	30-Oct-13		0



O&M & DMAG Construction Projects

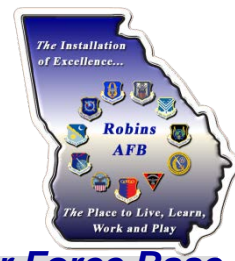


Robins Air Force Base

Project Title	Project Total Cost	% Complete	Estimated Completion Date	Revised Completion Date	Project Contract Mod Count
RPR/UPGRD DDC CONTROLS, SHP ACFT GEN PURP, B/89	\$2.3M	20	30-Nov-13	31-Dec-13	1
RPR/RPL FIRE ALARM SYS, MAN FR ALRM / I SYS, B/89	\$641K	20	30-Nov-13	31-Dec-13	1
CNST 3000 SF ESOH FACILITY	\$661K	50	6-Dec-13		3
CNST/INST CONC EQUIP STORAGE AREA, PAD EQUIP, FAC/04600	\$461K	1	15-Dec-13	28-Feb-14	0
CNST RESTROOM ADDITION, HG MAINT DEP, B/91	\$323K	58	18-Mar-14	31-Jul-13	1
REPAIR HVAC/LTG, LOG FAC DEP OPERATIONS, BAY H, B/300 E/W	\$1.9M	68	1-Dec-11	31-Aug-13	2
DEMOLISH 4 CHIEF CIRCLE HOUSES - B501/502/504/505	\$349M	75	30-Dec-12	15-Apr-13	1
RPR/RPL FIRE ALARM SYS, RDR TMTR COMP BLDG,B/1400	\$1.7M	75	31-Dec-12	31-Dec-13	1
DEMOLISH FACILITY 647	\$49K	80	12-Feb-13	14-Mar-13	1
DEMOLISH FACILITY 11	\$23K	95	12-Feb-13	14-Mar-13	1
MNT/REMOVE RAILROAD TRACKS, MULTI	\$382K	98	20-Mar-13	16-Jul-13	1
DEMOLISH CONCRETE SLAB FOR FACILITY 650	\$52K	95	10-May-13		0



O&M & DMAG Construction Projects



Robins Air Force Base

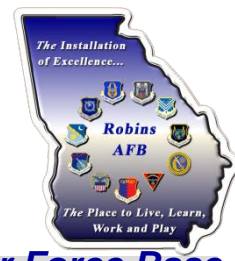
Project Title	Project Total Cost	% Complete	Estimated Completion Date	Revised Completion Date	Project Contract Mod Count
DEMOLISH B/658, AFCS MNT FCLTY	\$149K	99	10-May-13		0
DEMOLISH FCLTY 10241	\$69K	95	10-May-13		0
RPR/RPL ROOF & ASSOCIATED STRUCTURAL WORK, DRMO, B/1602	\$2.5K	83	26-May-13	16-Jul-13	2
RPR/RPL ROOF, SHP AVIONICS, B/631	\$84K	43	31-May-13	5-Jul-13	1
RPR/RPL FLR TILE IN RESTROOMS, HG MAINT, B/81 & 83	\$71K	75	16-Aug-13		0
RPR/RPL CARPET, HQ MAJOR CMD, B/211	\$91K	35	22-Aug-13		0
RPR/UPGRD HVAC SYS IN EDUC CTR, B/905	\$1.2M	74	31-Oct-13		0
RPR/RPL STEAM TRAPS, HTG FCLTY BLDG, B/177	\$152K	10	31-Oct-13		0
RPR/RENOV INTERIOR, WELLSTON CLUB, B/543	\$70K	5	12-Nov-13		0
RPR/RENOV 3RD FLR FOR SCIF OPERATIONS, HQ MAJOR COMD, B/210	\$427K	85	19-Oct-12	10-Sep-13	2
RPR/RPL FIRE ALRM SYS, LOG FCLTY DEP OPS, B/300	\$2.5M	85	31-May-13	25-Aug-13	1
CONSTRUCT/RENOVATE BATHROOMS BUILDING 2079	\$222K	50	9-Jul-13		1
CNST/INST BREAK/LOCKER RM, SHP ACFT GEN PURP, B/364	\$145K	2	23-Aug-13		0

 Projects that have exceeded the construction completion date

 Projects w/ contract modifications



MILCON Projects Under Construction

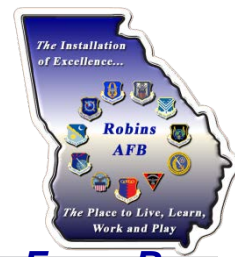


Robins Air Force Base

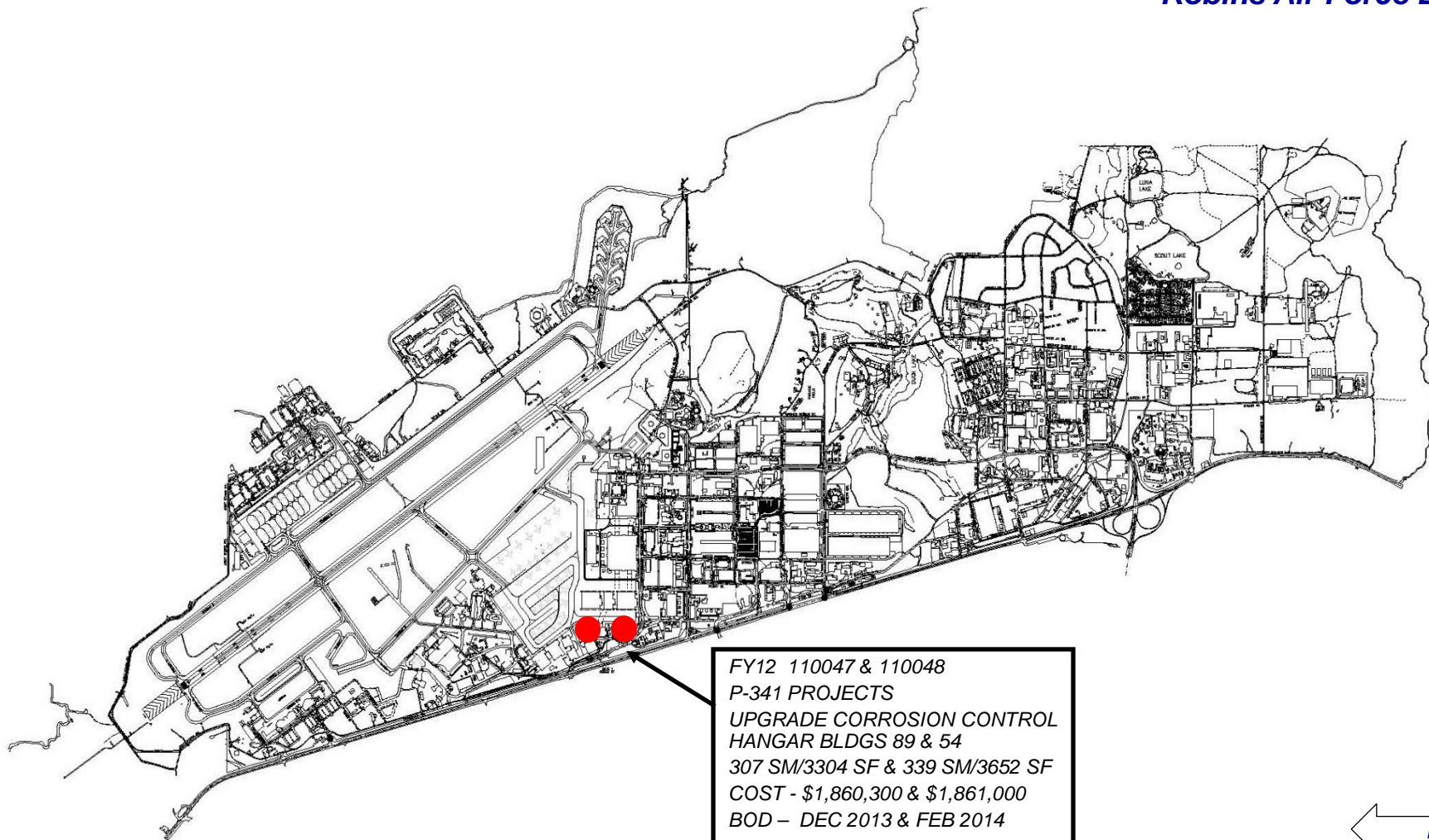
ORG	PROJECT NO UHHZ	PROJECT TITLE/DESCRIPTION	COST (Millions)
AMX	110047	ADAL CORROSION CONTROL HANGAR B/89 (P-341)	\$1,861
AMX	110048	ADAL CORROSION CONTROL HANGAR B/54 (P-341)	\$1,803



MILCON Projects Under Construction (cont.)



Robins Air Force Base



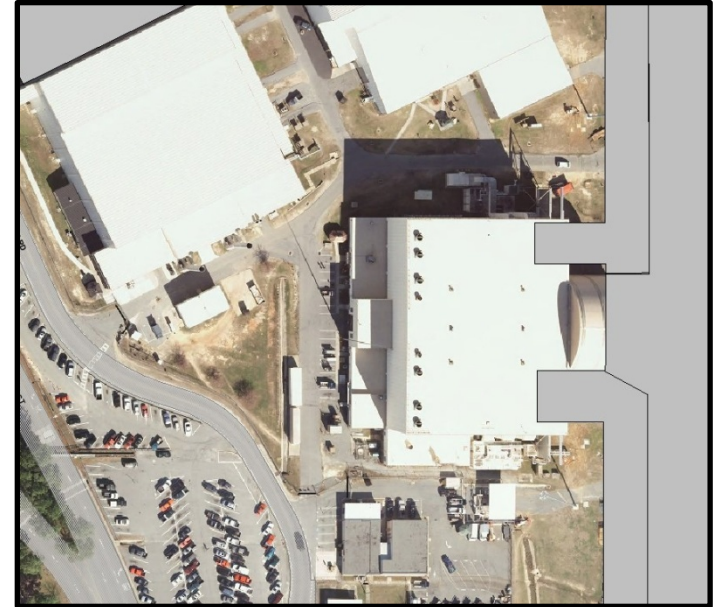
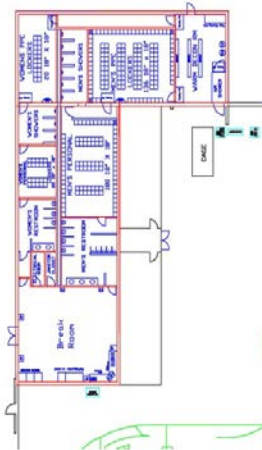
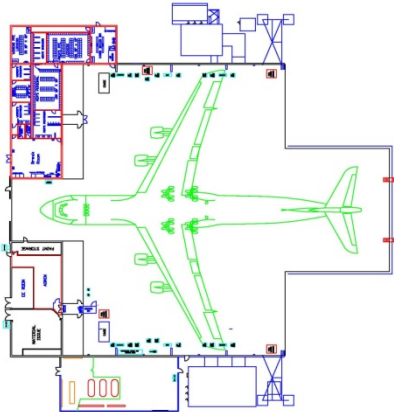


MILCON Projects Under Construction



Robins Air Force Base

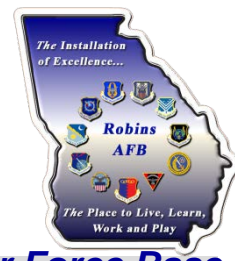
- **Addition/Alteration Corrosion Control Hangar B/54**
- **FY12 P-341 Project; 2,505 SF New/3,652 SF Renovation;**
Cost: \$1.8M
 - **Construction: 13%**
 - **BOD: Feb 2014**



- **Addition and Alteration will provide break room/showers/locker rooms to accommodate growth**
- **Construction will correct recently cited OSHA violations**

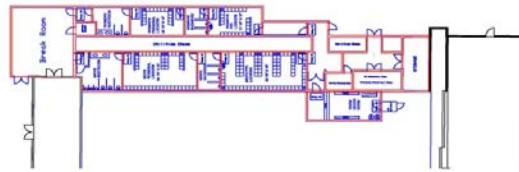
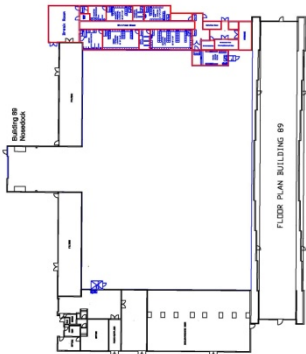


MILCON Projects Under Construction



Robins Air Force Base

- **Addition/Alteration Corrosion Hangar B/89**
- **FY12 P-341 Project; 2,673 SF New/3,304 SF Renovation; Cost: \$1.86M**
 - **Construction: 13%**
 - **BOD: Dec 2013**



- **Addition and Alteration will provide break room/showers/locker rooms to accommodate growth**
- **Construction will correct recently cited OSHA violations**



Active Construction Summary



78TH AIR BASE WING

➤ O&M & DMAG Program

- 49 Active Projects
- \$45.5M Total Cost

➤ MILCON Program

- Two Active Projects
- \$3.66M Total Cost



Lessons Learned



78TH AIR BASE WING

➤ Dos

- Read all specifications provided prior to proposal
- Request information if necessary
- Follow specifications after contract award (know the RAFB Standards)
- Account for security measures in proposal
- Pay sub-contractors on time

➤ Don'ts

- Underbid the contract
- Deviate from specifications
- Plant millet grass EVER



Current MILCON Projects

Projected Priority 1-n List



78TH AIR BASE WING

PRI	ORG	FY	PROJECT NO UHHZ	PROJECT TITLE/DESCRIPTION	COST (\$000)
1	ABW	16	073011	ADAL GATE 5	\$12,900
2	AMXG	16	073001P1	C-17 MAINTENANCE HANGAR, B/81	\$14,600
3	AMXG	16	073001P2	C-17 MAINTENANCE HANGAR, B/81/82/83	\$9,700
4	ABW	16	103005	CHILD DEVELOPMENT CENTER	\$12,700
5	ABW	16	103001	NEW FIRE STATION (RPL B/2086)	\$3,600
6	ABW	16	103000	ADAL FIRE STATION NO. 1 B/377	\$3,900
7	CMXG	17	910002	AIRCRAFT RADOME REPAIR FACILITY	\$16,200
8	MXSG	16	093005	DEPOT QUALITY CONTROL LABORATORY	\$17,500
9	SMXG	16	093001	SOFTWARE SUPPORT FACILITY EXPANSION	\$11,600
10	CBSS	16	113000	SECOND FLOOR ADDITION B/231	\$15,200
11	ABW	17	053015	REFUEL VEHICLE MAINT FACILITY	\$3,400
12	GRM	18	103010	RENOVATE B/301, BAY D	\$10,800
13*	5 CBCS	19	993009	53RD COMBAT COMM SQ OPS FACILITY	\$15,500
14*	5 CBCS	20	033001	GROUP HQ/COMBAT SUPPORT SQ FACILITY	\$6,000

* Mission Partner



Current MILCON Projects Projected Priority 1-n List (Cont.)



78TH AIR BASE WING

PRI	ORG	FY	PROJECT NO UHHZ	PROJECT TITLE/DESCRIPTION	COST (\$000)
15	ABW	17	053001	ADAL PHYSICAL FITNESS CENTER	\$4,000
16	ABW	16	023000	ADAL COMMUNICATIONS FACILITY	\$8,200
17	ABW	16	013009	SECURITY FORCES FACILITY	\$19,100
18	EMXG	16	073008	CONSOLIDATED PMEL/GYRO FACILITY	\$30,000
19	ABW	16	063000	CONTROL TOWER/BASE OPS COMPLEX	\$10,700
20*	AFRC	15	073004	HQ COMPLEX FACILITY (PHASE 1)	\$27,700
21*	AFRC	17	073003	HQ COMPLEX FACILITY (PHASE 2)	\$35,500
22*	AFRC	19	073005	HQ COMPLEX FACILITY (PHASE 3)	\$37,000
23*	5 CBCS	14	983006	54TH COMBAT COMM SQ OPS FACILITY	\$15,700
24*	5 CBCS	17	003004	52ND COMBAT COMM SQ OPS FACILITY	\$14,400
25*	5 CBCS	18	013001	51ST COMBAT COMM SQ OPS FACILITY	\$14,500
26	CMXG	17	093004	A/C FIRE BOTTLE FACILITY	\$11,500
27	CMXG	17	983009	WARFIGHTER LIFE SUPPORT FACILITY	\$7,700
28	HBG	17	103002	C2ISR (RPL B/350)	\$142,000
29	CMXG	17	093003	CONSOLIDATED COMPONENT REPAIR FACILITY	\$15,000
30	ABW	19	983002	UPGD DOMESTIC SEWAGE	\$5,230



Current Mission Projects/ Projected Priority 1-n List (cont)



78TH AIR BASE WING

PRI	ORG	FY	PROJECT NO UHHZ	PROJECT TITLE/DESCRIPTION	COST (\$000)
31	ABW	16	053006	COMBAT ARMS FACILITY	\$3,100
32	ABW	17	113004	RPR/INST AT/FP IMPROVEMENTS DORMS	\$4,300
33	AMXG	18	080355	AIRCRAFT FUNCTIONAL TEST BLAST FENCE	\$2,300
34	ABW	20	103009	POV MULTI-LEVEL PARKING DECK	\$8,600
35*	DLA	15	013011	RPR/UPGD FUEL HYDRANT SYS, B/2089	\$12,200
36*	DLA	16	013010	RPR/UPGD FUEL HYDRANT SYS, B/39	\$10,900
37	ABW	17/18/19	093009/10/11	DORMITORY PH 1/2/3 (waiting for new DMP)	\$47,200
38	WLM	14	123001	CONVERT COOLER AREA B/660 TO ADMIN (P-341)	\$1,725
39	ABW	14	110323W	CONST/RPR AIRFIELD FENCING, GATES (P-341)	\$1,784
40	ABW	14	070352C1	RENOVATE BCE MAINT SHOP B/1555 (P-341)	\$1,825
41	MXSG	OY	993001	GSE CONSOLIDATION	\$12,400
42	AMXG	OY	073009	CARGO AIRCRAFT HANGAR	\$26,000
43	AMXG	OY	023008	MEDIUM AIRCRAFT HANGAR	\$33,000
44	AMXG	OY	093008	AMXG FOM STORAGE	\$10,000
45	AMXG	OY	093002	B/45 PURGE/REHAB	\$10,000



MILCON Projects FYDP 13-17



78TH AIR BASE WING

ORG	PROJECT NO UHHZ	FY	FYDP PROJECT TITLE/DESCRIPTION	COST RANGE (Millions)
AFRC	073004	15	CONSOLIDATE AFRC – PHASE 1	\$20-30
AFRC	073003	17	CONSOLIDATE AFRC – PHASE 2	\$30-40
689TH	983006P1	15	54 th CBCS SQUADRON WAREHOUSE FACILITY	\$3.5-9
AFRC	073005	19	CONSOLIDATE AFRC – PHASE 3	\$35-45
ABW	073011	16	ADAL GATE 5	\$10-18



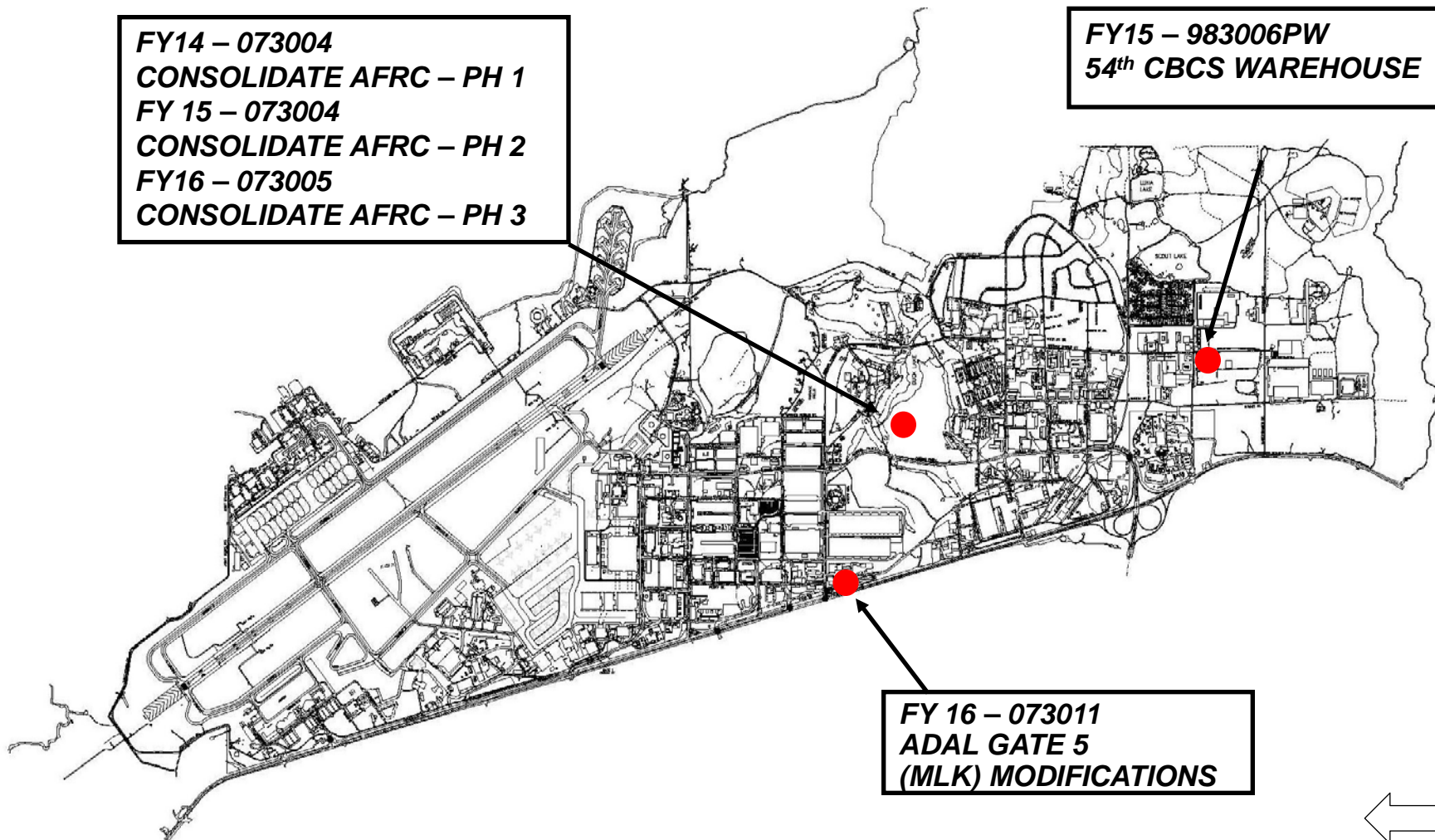
MILCON Projects FYDP 13-17 (cont.)



78TH AIR BASE WING

**FY14 – 073004
CONSOLIDATE AFRC – PH 1
FY 15 – 073004
CONSOLIDATE AFRC – PH 2
FY16 – 073005
CONSOLIDATE AFRC – PH 3**

**FY15 – 983006PW
54th CBCS WAREHOUSE**



**FY 16 – 073011
ADAL GATE 5
(MLK) MODIFICATIONS**

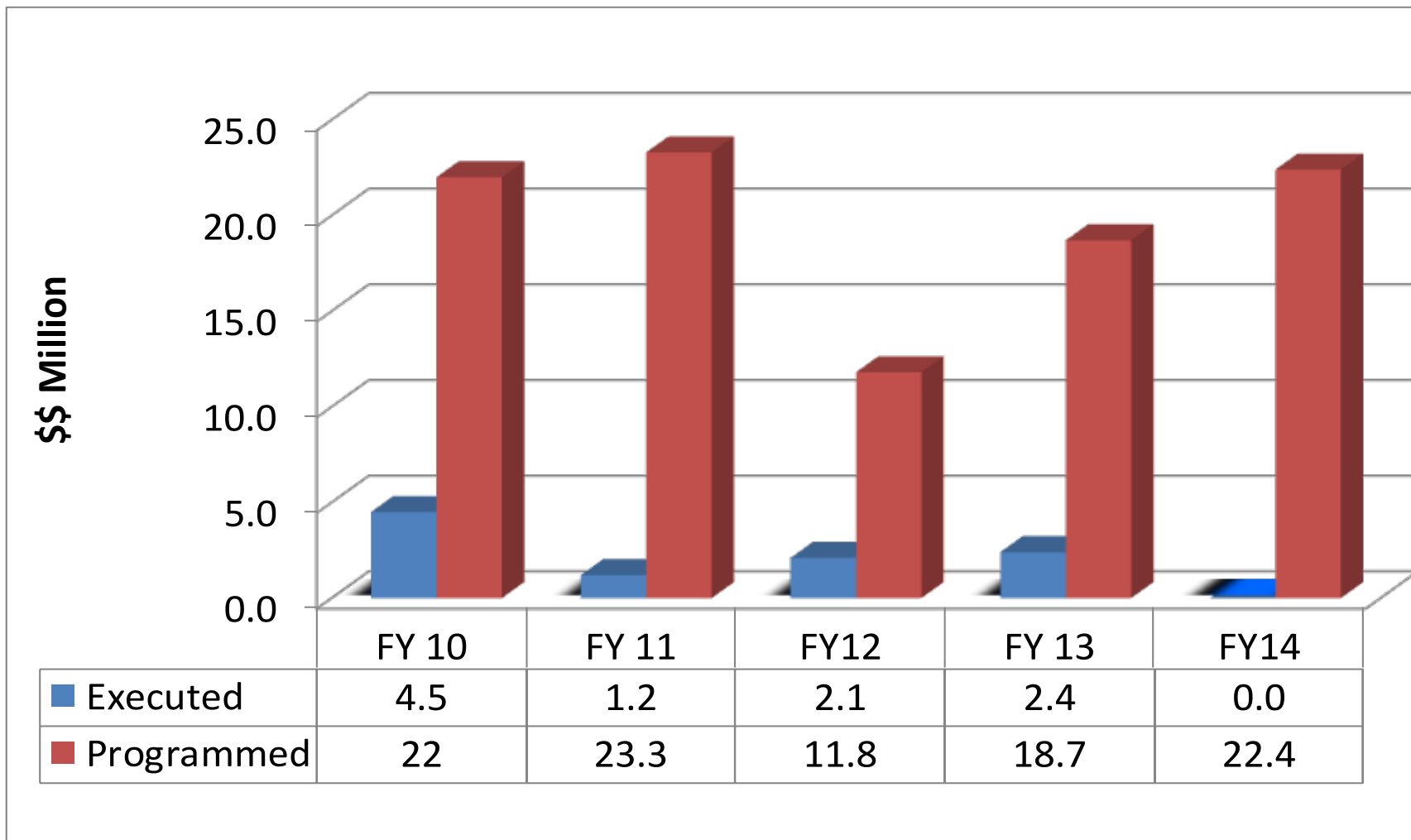




Facility SRMC Execution



78TH AIR BASE WING



"The Installation of Excellence ... The Place to Live, Learn, Work and Play"



FY14 Top 20 SRM Program



78TH AIR BASE WING

PROJECT TITLE	COST RANGE
RPR/RPL HVAC SYS AND ASSOCIATED EQUIP, RAPCON CEN, B/2	\$200-500K
RPR/RPL ROOF, BLDG WTR SUP, B/2020	\$25-40K
RPR/RPL ROOF, OPS BASE, B/111	\$60-80K
MNT/REMOVE TREES NORTH AND SOUTH END ZONE, AIRFIELD	\$10-25K
MILL/OVERLAY TAXIWAYS A/G, FCLTY 3901	\$300-500K
RPR/RPL HVAC SYS/LTG, LOG FAC DEP OPS, WEST WING, B/300	\$2.0-3.0M
RPR/RPL HVAC & CLG, LOG FAC DEP OPS, B/300,HH & FOYER	\$1.0-2.5M
RPR/RPL FIRE ALARM SYS, PROD, AMMO EX/TX, B/100	\$10-30K
RPR/RPL ROOF, CHILD DEV CEN, B/942	\$100-300K
RPR/RPL ROOF, SHP MSL AS, B/101	\$75-100K



FY14 Top 20 SRM Program (cont.)



78TH AIR BASE WING

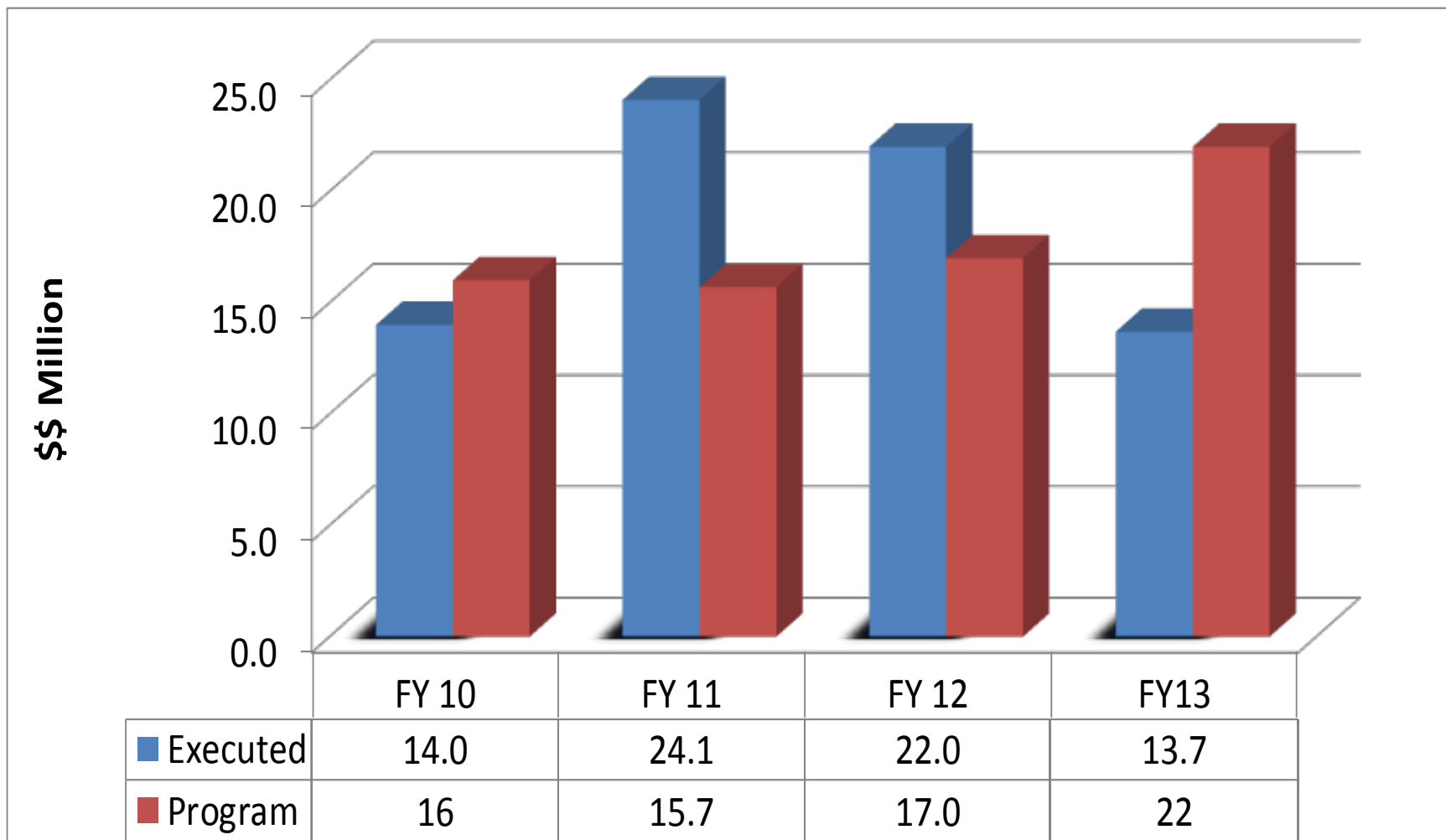
PROJECT TITLE	COST RANGE
RPR/RPL MAINT. APRON TAXIWAY, TAXIWAY, FCLTY/3901	\$2.5-4.4M
RPR/RPL FIRE ALARM SYS, WHSE SUP& EQUIP BSE, B/350	\$2.0-4.0M
CNST/INST ROOF FALL PROTECTION	\$200-400K
DESIGN REROUTE PERIMETER ROAD (GRADED CLEAR ZONE - NORTH END)	\$100-300K
RPR/RPL HVAC SYS SANCTURY/NAVE, CHAPEL CEN, B/769	\$1.0-3.0M
CNST/INST PARKING LOT, VHE PKING OPS, FCLTY/08550	\$100-300K
RPR/INST FIRE DRS, LOG FCLTY DEP OPS, B301	\$30-60K
CNST/INST CHLORINE ANALYZERS, BLD WTR SUP, FCLTY/08451	\$300-600K
CNST/INST AREA LIGHTING, EXTERIOR AREA LTG, FCLTY/8140	\$20-40K
RETROCOMMISSIONING OF MULTIPLE BUILDINGS	\$400-700K



DMAG Facility Execution



78TH AIR BASE WING



"The Installation of Excellence ... The Place to Live, Learn, Work and Play"



DMAG M&R Top 20



78TH AIR BASE WING

PROJECT TITLE	COST RANGE
Replace Lights B140	\$500-\$700K
Replace Barrel Roofs & Flat Roof Areas B125	\$30-\$37M
Replace Fire Alarm/Suppression System	\$16-\$22M
Replace Computer Room Units (CRU) B229S	\$50-\$100K
Replace Air Compressor & Replumb Shop	\$150-\$225K
HVAC Duct Repair B229S	\$250-\$350K
Hydro Stat Truss & Ceiling Paint B150	\$500-\$700K
Replace Roof Corrosion Control Facility B180	\$650-\$850K
Repair/Replace Fire Alarm System B158	\$1.0-\$1.3M
Repair/Replace Fire Suppression System B158	\$1.6-\$2.3M



DMAG M&R Top 20 (cont.)



78TH AIR BASE WING

PROJECT TITLE	COST RANGE
Repair Siding, Welding Shed East of B321	\$150-\$300K
Misc Facility Fall Protection Projects	\$500-\$700K
Renovate Administrative Areas B323	\$150-\$250K
Upgrade Paint Hanger & Fire Alarm/Suppression B54	\$7.0-11.0M
Connect Bldg Power Feed to Generator B229S & B229E	\$300-\$500K
Upgrade Emergency Lighting B229E	\$400-\$600K
Repair Replace Roof B229E	\$250-\$400K
Repair Replace Roof B229S	\$750-\$1.0M
Clean/Paint Structural Beams & Ceiling B140	\$1.0-\$2.0M
Replace Fire Alarm & Suppression System B110	\$1.5-\$2.5M



DMAG FY14 MC Program



78TH AIR BASE WING

PROJECT TITLE	COST RANGE
Install Utilities for A/C Repair Location N-28	\$500-\$700K
Construct Elevator at Bldg 110	\$300-\$500K
Construct Saw Shop Addition, B20139	\$500-\$700K
Construct Paint Room Addition to B670	\$500-\$700K
Construct Addition to Building 651	\$500-\$700K
Construct Chemical Pharmacy	\$500-\$700K
Construct Addition to B903	\$500-\$700K



Contract Execution



78TH AIR BASE WING

- **78 CEG IDIQs**
- **USACE IDIQs**
 - **MATOC**
 - **SATOC**
- **Competitive Bid**
- **Sole Source 8(a)**
- **Air Force Reserve Command (AFRC) IDIQs**
- **Air Force Civil Engineer Center (AFCEC)**

**NOTE: All construction contracts are small business:
HUB Zone, SDV, 8(a), Women owned**



78th CEG IDIQ Contracts (Value of \$270M/5-yrs)



78TH AIR BASE WING

<u>Contract</u>	<u>Date Exp</u>	<u>Dollar Limit</u>
AE Design Services 8(a)*	EXPIRED*	\$15M
Carpet/Flooring	2015	\$5M
Custodial Basewide	2014	\$10M
Custodial DMAG	2014	\$14M
Grounds Maint	2014	\$7M
Mech/Elec	2018	\$45M
Paint	2016	\$7M
Pavements	2017	\$30M
Recycling	2015	\$10M
Refuse	2015	\$10M
Roofing*	EXPIRED*	\$9M
SABER**	2016	\$50M
BOPEC D/B***	2018	\$45M
AE Environmental Services	2015	\$40M

* New contract in process

** SABER (Simplified Acquisition of Base Engineer Requirements)

*** BOPEC D/B (Base Operational Program Execution Contract Design/Build)



Discussion/Questions



78TH AIR BASE WING

