# ELLSWORTH AFB B-21 BED DOWN (JUNE 2023 PROGRAM UPDATE)

SAME Omaha Post Industry Day Andy Temeyer, Licensed Architect, PMP EAFB B-21 Bed down Program Manager USACE Omaha District 01 June 2023



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#### **GOVERNMENT STAKEHOLDERS**

#### **US Army Corps of Engineers (USACE)**

- Design, procurement, and field level construction agent for the bed down.

#### Air Force Civil Engineer Center (AFCEC)

- Air Force Design and Construction Managers and authority for the facilities supporting B-21 bed down.
- Air Force liaison to USACE.

#### Air Force Global Strike Command (AFGSC)

Primary user command.

#### EAFB B-21 Program Integration Office (EAFB B-21 PIO)

- Responsible for integration/coordination of B-21 requirements into existing conditions and mission set at EAFB, SD.
- Responsible for coordination of all end-user requirements into bed down-impacted facilities.

#### Ellsworth AFB Civil Engineering Squadron (28 CES)

- Accepting authority for real property.
- Responsible for ensuring facilities meet base requirements.

#### AF Installation & Mission Support Center Detachment 10 (AFIMSC Det-10)

- Represents the AFGSC and provides program policy, guidance, and goals.









### **US ARMY CORPS OF ENGINEERS**

**Role:** Design and Construction Agent. Involved from planning through design and construction.

Issues, negotiates, awards, and administers design contracts.

- Typically issued through existing IDIQs.
- Awarded to a Prime AE.
  - AEs may utilize subs.

<u>Issues</u>, <u>negotiates</u>, <u>awards</u>, <u>and administers construction contracts</u>.

- Contracts awarded to Prime Contractors only.
  - Contractors may utilize subs.

Primary USACE Offices Involved:

- Omaha Office (District Headquarters)
- Black Hills Area Office
- EAFB Resident Office









### EAFB B-21 BED DOWN (BACKGROUND)



#### **Basing Decisions**

Led by Air Force Global Strike Command (AFGSC, Barksdale)

March 2019 – Preferred Main Operating Bases (MOB)

- Ellsworth AFB MOB #1
- Whiteman AFB (Preferred) MOB #2
- Dyess AFB (Preferred) MOB #3

Environmental Impact Study/Statement (EIS) -

- Record of Decision (MOB #1) signed June 2021
- Record of Decision (MOB #2 & #3) (est.) September 2024

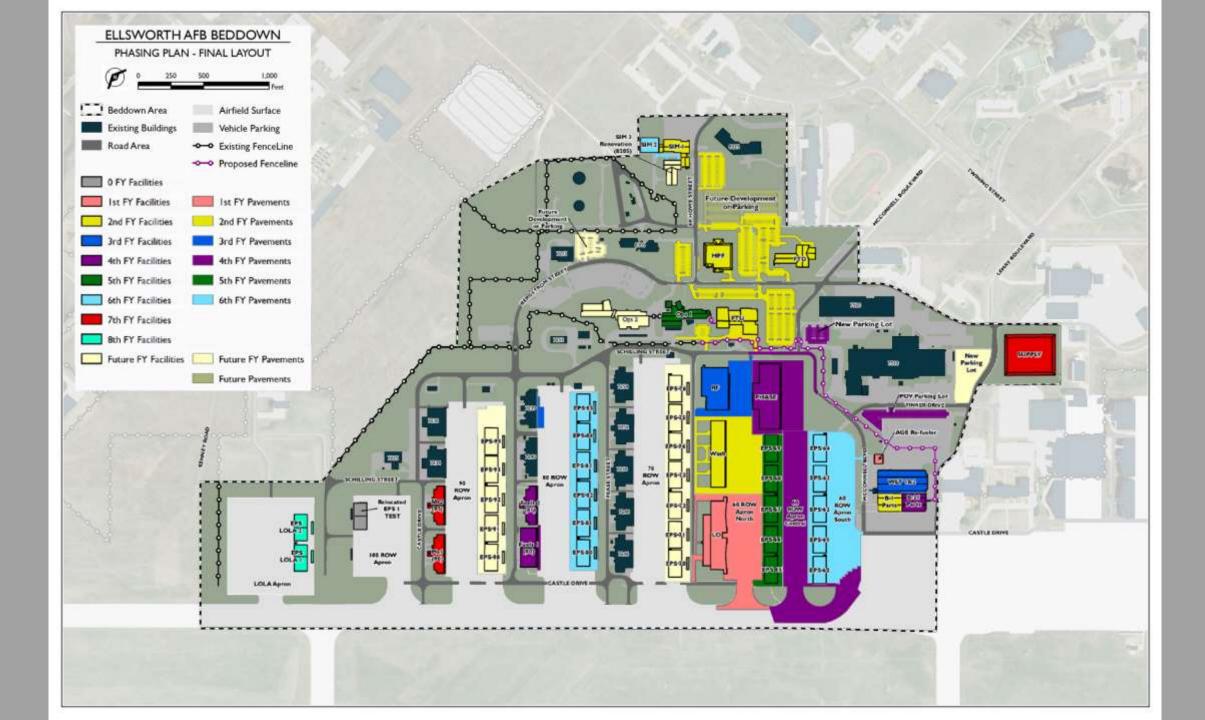








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### **EAFB B-21 BED DOWN (CURRENT STATE)**

#### **MILCON**

Construction: +/- \$500M.

- Low Observable Hangar (SEP 2021)
- Formal Training Unit (JUN 2022)
- Field Training Detachment/
   Mission Planning Facility (JUN 2022)
- Washrack & Maintenance Hangar (NOV 2022)
- ADAL Sim Facility (DEC 2022)
- Radio Frequency Facility (APR 2023)

Acquisition: \$250M-\$500M.

- Weapons Generation Facility (non-B-21)

Design: \$250M-\$750M.

- Phase Maintenance Hangar
- Fuel System Maintenance Dock
- EPSs
- Alert Apron
- ADAL Squad Ops/AMU
- Runway Critical Infrastructure & Repairs (non-B-21)

#### MILCON (continued)

Planning (MILCON): \$100M+.

- EPSs
- Simulator Facilities

#### <u>FSRM</u>

Construction: +/- \$20M.

- Convert PRIDE Hangar to B-1 Parts (AUG 2024)

Acquisition: \$25M-\$50M.

- Weapons Loader Training Facility
- Weapons Release Systems Shop

Design: \$25-\$50M.

- B-21 Parts Facility
- Renovate Existing B-1 Dock to Fuel Dock

Planning: \$50M+.

- Renovate Alert Facility
- Other renovations and repairs still being defined



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### LO HANGAR (GROUNDBREAKING CEREMONY)











### LOW OBSERVABLE RESTORATION FACILITY (LO HANGAR)











### LOW OBSERVABLE RESTORATION FACILITY (LO HANGAR)











### **CONVERT PRIDE HANGAR TO B-1 PARTS**













#### **EAFB B-21 BED DOWN**



#### <u>Unique Features and Common Threads – Design</u>

- Mostly design-bid-build.
- Secure Facilities
  - May require oversight during construction.
- May require hazardous soil remediation.
- Unique phasing constraints.
  - Maintain continuity of current operations.
- Airfield Paving.
- Utilities and communications work.
- FF&E, other equipment as bid options.











### RADIO FREQUENCY FACILITY

Size: +/- 60,000 SF Type: MILCON.

Contract Type: Design-Bid-Build. Magnitude: \$71.3M (total value). Contract Duration: 900 days.

B-21: Radio Frequency Facility (RF Hangar, Rend ering Provided by Burns & McDonnell



- Secure single-bay hangar with RF testing type functionality.
- Includes associated airfield apron and infrastructure.
- Includes admin and support spaces.
- May include O&M options for FF&E, A/V, IDS, etc.
  - Sources Sought: W9128F22SM027 (issued 29 Dec 2021).
  - Advertise: 29 Sep 2022 (W9128F22R0054).
  - Award: 06 Apr 2023 (W9128F23C0014).
  - Contractor: Conti Federal Services.

https://sam.gov/opp/00ab02b2709049248a52c095817aea34/view









### WEAPONS GENERATION FACILITY (WGF)

Size: +/- 52,000 SF Type: MILCON.

Contract Type: Design-Bid-Build.

Magnitude: \$250-500M.
Contract Duration: approx.
1200 days.

WGF-F Rend ering Provided by Black & Veatch



- Maintenance, Storage and Administration for B-21 weapon system.
- Includes Alert Fire Team Facility, Entry Control, Generator and Fire Pump buildings and infrastructure.
- Hardened facility with secure perimeter.
- May include O&M options for FF&E, etc.
  - Sources Sought: W9128F22SM034 (issued 1 April 2022).
  - Advertise: 11 May 2023 (W9128F23R0017).
  - Target Award: FY24Q1.

https://sam.gov/opp/7b42e9a6b2934bae8ffa13342271d27d/view









### WEAPONS LOADER TRAINING FACILITY

Size: +/- 60,000 SF

Type: FSRM.

Contract Type: Design-Bid-Build.

Magnitude: \$25-100M.

Contract Duration: 730 days.

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- Two-bay weapons loading trainer facility with support spaces.
- Second project constructed in historic PRIDE Hangar.
- Will require coordination with concurrent construction.
- May include O&M options for FF&E, A/V, IDS, etc.
  - Sources Sought: W9128F23SM001 (issued 26 Oct 2022).
  - Advertise: 02 May 2023 (W9128F23R0012).
  - Proposals Due: June 2023.
  - Target Award: FY23Q4.

https://sam.gov/opp/317a75fa8f1549b1bed200d0134a5a61/view









### WEAPONS RELEASE SYSTEMS SHOP (WRSS)

Size: +/- 40,000 SF

Type: FSRM.

Contract Type: Design-Bid-Build.

Magnitude: \$1M-10M.

Contract Duration: 365 days.

B-21: Weapons Release Systems Shop (WRSS) Rendering Provided by FSB/Pond JV



- Renovation to add B-21 functions to existing WRSS facility.
- Requires construction with concurrent occupancy.
- May include O&M options for FF&E, A/V, IDS, etc.
  - Sources Sought: W9128F23SC004 (issued 26 Oct 2022).
    - Total small business set-aside.
  - Advertise: 03 May 2023 (W9128F23R0025).
  - Proposals Due: June 2023.
  - Target Award: FY23Q4.

https://sam.gov/opp/bdd262748382471d83491febf81e7fdf/view









### PHASE MAINTENANCE HANGAR

Size: +/- 75,000 SF Type: MILCON.

Contract Type: Design-Bid-Build.

Magnitude: \$100-250M. Contract Duration: 1100 days.

B-21: Phase Hangar Rend ering Provided by Burns & McDonnell



- Two-bay hangar for B-21 phase maintenance functions.
- Includes associated airfield apron and infrastructure.
- Includes admin and support spaces.
- May include O&M options for FF&E, A/V, IDS, etc.
  - Sources Sought: W9128F22SM042(issued 18 Aug 2022).
  - Target Advertise: FY23Q4.
  - Target Award: FY24Q2.

https://sam.gov/opp/d254649c16b244b883a62ddab8b76acf/view









### FUEL SYSTEM MAINTENANCE DOCK

Size: +/- 40,000 SF Type: MILCON.

Contract Type: Design-Bid-Build.

Magnitude: \$25-100M.

Contract Duration: 900 days.

B-21: Fuel System Maintenance Dock Rend ering Provided by FSB/Pond JV



- Single-bay hangar for B-21 fuel maintenance functions.
- Includes associated airfield apron and infrastructure.
- Includes admin and support spaces.
- May include O&M options for FF&E, A/V, IDS, etc.
  - Sources Sought: W9128F22SM003 (issued 8 Nov 2022,).
  - Target Advertise: FY23Q4.
  - Target Award: FY24Q2.

https://sam.gov/opp/394e73e8cc8847ff893a55a14bde9e77/view









### **B-21 PARTS FACILITY**

Size: 30,000 SF + Type: FSRM.

Contract Type: Design-Bid-Build.

Magnitude: \$10-25M.

Contract Duration: 730 days.

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- Renovation of existing historic hangar to accommodate B-21 aircraft parts storage.
- Third project constructed in historic PRIDE Hangar.
- May require secure construction.
- Will require coordination with concurrent construction (WLT).
- May include O&M options for FF&E, A/V, IDS, etc.
  - Target Sources Sought: FY23Q4.
  - Target Advertise: FY24Q3.
  - Target Award: FY24Q4.









### **RENOVATE DOCK 81**

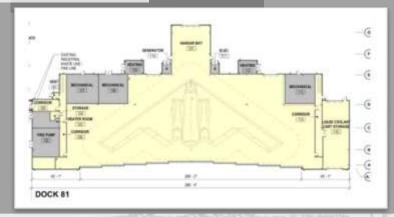
Size: +/- 30,000 SF

Type: FSRM.

Contract Type: Design-Bid-Build.

Magnitude: \$10-100M.
Contract Duration: TBD.

B-21: ADAL Ops/AMU 1 Rend ering Provided by FSB/Pond JV



- Renovate existing B-1 hangar to alternate fuel dock.
- Will be physically connected to FY24 fuel dock MILCON.
- Remove existing foam system.
- Includes associated site features and infrastructure.
- May include O&M options for FF&E, A/V, IDS, etc.
  - Target Sources Sought: FY23Q4.
  - Target Advertise: FY24Q2/3.
  - Target Award: FY24Q4.









#### REPAIR RUNWAY CRITICAL INFRASTRUCTURE AND UTILITIES

Size: TBD. Type: FSRM.

Contract Type: Design-Bid-Build.

Magnitude: \$10-100M. Contract Duration: TBD.

Ellsworth AFB, SD.



- Scope and funding being defined (currently unfunded).
- May include repair of runway features and supporting utilities/infrastructure.
- Will likely include airfield paving and airfield lighting.
- Possible phasing constraints intended to minimize impacts to airfield operations.
- Likely use of USACE Airfield Paving MATOC.
  - USACE Airfield Paving MATOC (W9128F21R0013).
  - Target Sources Sought: FY23.
  - Target Advertise: FY24.
  - Target Award: FY24/25.









### **ADAL OPS/AMU 1**

Size: +/- 60,000 SF Type: MILCON.

Contract Type: Design-Bid-Build.

Magnitude: \$10-100M.
Contract Duration: 800 days.

B-21: ADAL Ops/AMU 1 Rend ering Provided by FSB/Pond JV



- Renovate existing squad ops facility/AMU
- Construct secure addition.
- Includes associated site features and infrastructure.
- May include O&M options for FF&E, A/V, IDS, etc.
  - Target Sources Sought: FY24Q1.
  - Target Advertise: FY24Q4.
  - Target Award: Planned 2025+.









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### 60 ROW ENVIRONMENTAL PROTECTION SHELTERS (EPS)

Size: +/- 20k SF (each); (5) North; (5) South Type: MILCON.

Contract Type: Design-Bid-Build.

Magnitude: \$25-100M

(each project).

Contract Duration: 730 days

(each project).

B-21: 60 Row EPSs (North & South) Rend ering Provided by Burns & McDonnell



- Construct pre-engineered shelters.
  - (2) projects; (5) +/- 20k SF EPSs each
- Includes associated airfield apron and infrastructure.
- Maintenance kiosks.
- May include O&M options for FF&E, IDS, etc.
  - Target Sources Sought: FY24Q1 (North), FY25Q1 (South).
  - Target Advertise: FY24Q4 (North), FY25Q4(South).
  - Target Award: Planned 2025 (North), 2026 (South).









### **EXPAND ALERT APRON**

Size: +/- 20k SF (each); +/- (11) EPSs total.

Type: MILCON.

Contract Type: Design-Bid-Build. Magnitude: \$100-250M (total) Contract Duration: TBD.

B-21: Alert Apron Expansion Rend ering Provided by Burns & McDonne



- Repair and expand existing alert apron.
- Construct EPSs.
- Security and infrastructure upgrades.
- Project may be broken into multiple projects.
- May include O&M options for FF&E, IDS, etc.
  - Target Sources Sought: FY24Q1.
  - Target Advertise: FY24Q4.
  - Target Award: Planned 2025+.









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### RENOVATE ALERT FACILITY

Size: 15,000 SF+ Type: FSRM.

Contract Type: Design-Bid-Build.

Magnitude: \$10-100M. Contract Duration: TBD.

B-21: Alert Facility (and Alert Apron) Rend ering Provided by Burns & McDonnell



- Renovate existing alert facility.
- Possible small addition(s).
- Includes associated site features and infrastructure.
- May include O&M options for FF&E, A/V, IDS, etc.
  - Target Sources Sought: FY24Q1.
  - Target Advertise: FY25Q2 or Q3.
  - Target Award: FY25Q3 or Q4.









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### **OUTLYING PROGRAM AND OTHER EAFB WORK**





- Environmental Protection Shelters (EPSs) (multiple projects)
- Supply Warehouse
- Airfield Paving/Runway Projects (various)
- Simulator Renovation/Addition (multiple phases)
- B-1B Squadron Ops/MX Renovations (multiple projects)
- Existing Dock Renovations (various, general maintenance)
- ADAL Explosive Ordinance Disposal (EOD; non-B-21)









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### **EAFB B-21 BED DOWN (SUBCONTRACTING OPPORTUNITIES)**

**Temporary Trailers** 

CAD/BIM Modeling (as-builts)

Facility Data Management

**Schedulers** 

Cybersecurity

Cleared American Guards

Non-Cleared Workers

Surveying

Fencing

Abatement/Remediation

**Demolition** 

Soils Testing/Remediation

Soils Disposal

Excavation/Earthwork

Concrete Formwork

Cast-in-Place Concrete

Concrete Accessories

Foundations (various)

Concrete Reinforcing

Structural Steel

Steel Decking

**Cold Form Metal Framing** 

**Fasteners** 

Welders

Ladders

Railings

Concrete – Foundations

Conc. Flatwork - non-Airfield

Concrete Flatwork – Airfield

Airfield Lighting

Airfield Signage/Navaids

Airfield Striping/Markings

**Precast Concrete** 

Unit Masonry (various)

Scaffolding

Construction Equipment

**Architectural Casework** 

Solid Surface Fabrications

Rough Carpentry

**Building Performance Testing** 

**Facility Commissioning** 

Facility Testing and Balancing

Dampproofing

Rigid Insulation

Spray Foam Insulation

**Batt Insulation** 

Air Barriers - Fluid

Air Barriers – Membrane

Roofing – Membrane

Roofing – Metal

Metal Wall Panel

Wall Panel Assemblies

Flashing/Sheet Metal

Firestopping

**Joint Sealants** 

**Steel Doors and Frames** 

**Wood Doors** 

**RF-Shielded Doors** 

Sound-Rated Doors

**Overhead Doors** 

Coiling Doors/Windows

Hangar Doors

Steel Windows

**Door Hardware** 

**Access Control Systems** 

**Aluminum Windows** 

Curtainwall/Storefronts

Glazing

Translucent Wall Panels

**Paint** 

Wall Protection Finishes

(continued...)









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### EAFB B-21 BED DOWN (SUBCONTRACTING OPPORTUNITIES)

Louvers

**Exterior Signage** 

Interior Signage

Gypsum Board

RF Shielding

**Acoustical Ceiling Systems** 

**Toilet Compartments** 

**Toilet Accessories** 

Fire Extinguishers/Cabinets

**Dust/Debris Control** 

**Furniture** 

Office Equipment

**Furniture Moving** 

**Small Appliances** 

Flooring – Carpeting

Flooring – Resinous

Flooring – Tile

Flooring – Resilient Products

A-E Svcs. (delegated design)

Fire Sprinkler Systems

Pluming

Plumbing Fixtures

Plumbing Accessories

**Trench Drains** 

Compressed Air Piping

Air Compressors

Water Tanks

Plumbing Valves

Natural Gas Piping/Fixtures

Water Heaters

Water Softeners

**Boilers** 

**HVAC** Piping

**HVAC Controls** 

Chillers

Air Handling Equipment

**HVAC Terminal Equipment** 

**HVAC Ductwork** 

**Dampers** 

Pumps

Variable Frequency Drives

Unitary A/C Equipment

**Transformers** 

Switchgear

**Exterior Electrical Distribution** 

Interior Electrical Distribution

**Power System Protection** 

**Lightning Protection Systems** 

**Cathodic Protection** 

**Grounding Systems** 

**Interior Lighting** 

**Exterior Lighting** 

**Exterior Telecom Work** 

Interior Telecom Work

Telecom Enclosures

Telecom Switching Equipment

**Electronic Security Systems** 

Fire Alarm

A/V Systems and Equipment

**Prefabricated Structures** 

**Asphalt Paving** 

Concrete Curb and Gutter

LID Features

Seeding

Fuel System Piping

Vehicle Crash Barriers

Fall Protection Systems

**Bridge Cranes** 

**Elevators** 

**UPSs** 

Generators

.....and More!









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### **RESOURCES**

B-21 EIS - https://www.b21eis.com/

B-21 Raider -

https://www.af.mil/About-Us/Fact-Sheets/Display/Article/2682973/b-21-raider/

AFCEC - https://www.afcec.af.mil/

USACE (Omaha) - https://www.nwo.usace.army.mil/

System for Award Management (SAM) - https://SAM.gov/









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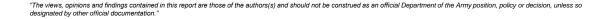






## USACE OMAHA DISTRICT MILCON OPPORTUNITIES

Prepared by Jimmy Harding, PE, PMP Chief, Military Programs Branch March 2022 MONTANA **MINNESOTA** NORTH DAKOTA WISCONSIN Twin Cities AAF WYOMING ENWICK AND SOUTH **B**Fort McCoy DAKOTA **NEBRASKA** IOWA F.E. Warren AFE & OCheyenne Area Offices Omaha District Military Boundary Fort Carson **US Army Facilities** COLORADO US Air Force Facilities Pueblo DA



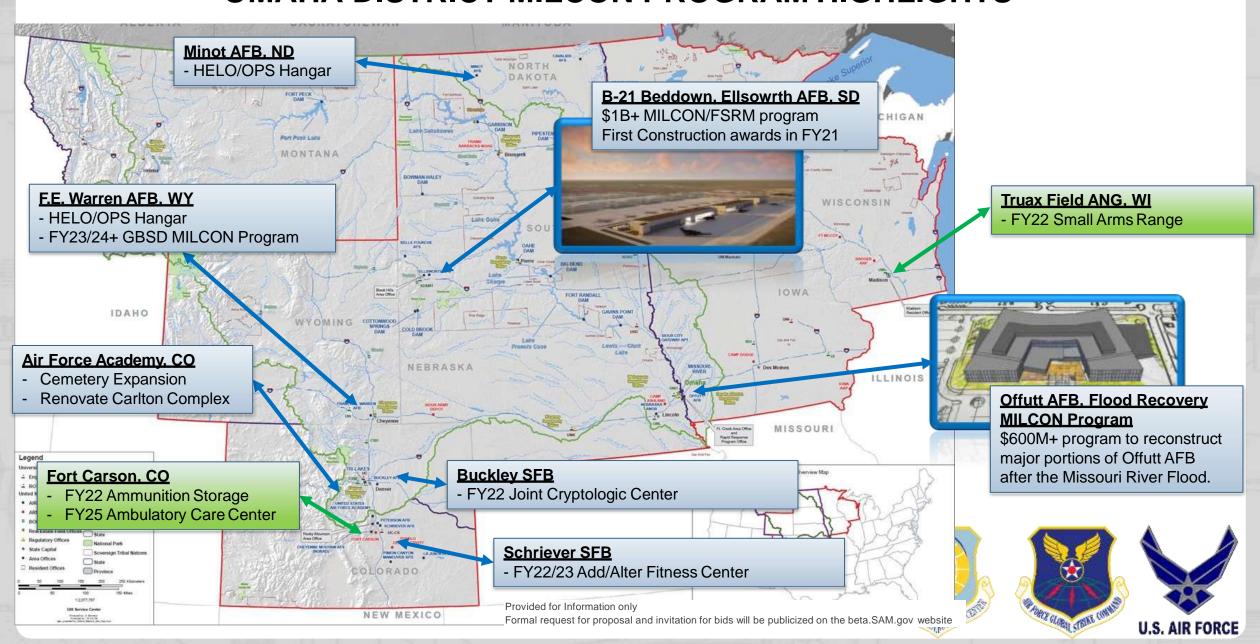








#### **OMAHA DISTRICT MILCON PROGRAM HIGHLIGHTS**



#### OMAHA DISTRICT MILCON PROGRAM MANAGEMENT BRANCH POC'S

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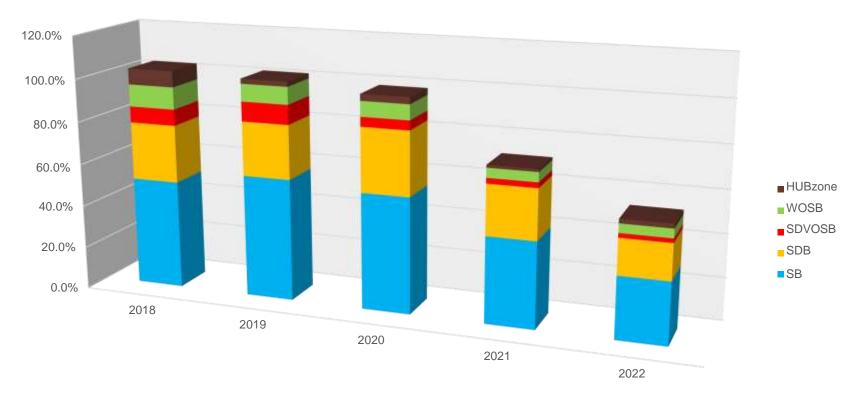


#### TIPS FOR SBs - DOING BUSINESS WITH US

- Contact the SB Office.
- Present your capabilities. Send updated Capability Statements.
- Track SAM.gov (pre-solicitations, solicitations, awards, special notices, etc.).
- Respond to Sources Sought Notices, update your SBA Dynamic profile.
- Network! attend Industry Days, SB Conferences, etc.
- Subcontracting contact Large Primes, see list of our existing MATOCs & awards in SAM.gov
- Forecast. See upcoming MATOCs/SATOCs.
- Good Performance!!
- Utilize your SB resources PTAC, SBA, etc.



#### PRIME CONTRACTING SB GOALS ACHIEVEMENT



| FY23 SB Targets |      |  |
|-----------------|------|--|
| SB              | 25%  |  |
| SDB             | 10%  |  |
| SDVOSB          | 2%   |  |
| WOSB            | 2%   |  |
| HUBZ            | 1.5% |  |

|          | 2018  | 2019  | 2020  | 2021  | 2022  |
|----------|-------|-------|-------|-------|-------|
| ■HUBzone | 7.5%  | 2.3%  | 3.1%  | 1.3%  | 2.0%  |
| ■WOSB    | 10.4% | 8.1%  | 7.1%  | 4.5%  | 4.2%  |
| ■ SDVOSB | 7.6%  | 9.1%  | 4.4%  | 2.6%  | 2.0%  |
| SDB      | 27.1% | 25.4% | 30.0% | 23.5% | 16.7% |
| ■SB      | 50.8% | 57.1% | 54.3% | 40.3% | 28.9% |



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HTTP://WWW.NWO.USACE.ARMY.MIL/BUSINESS-

**WITH-US** 

#### **BUSINESS WITH US**

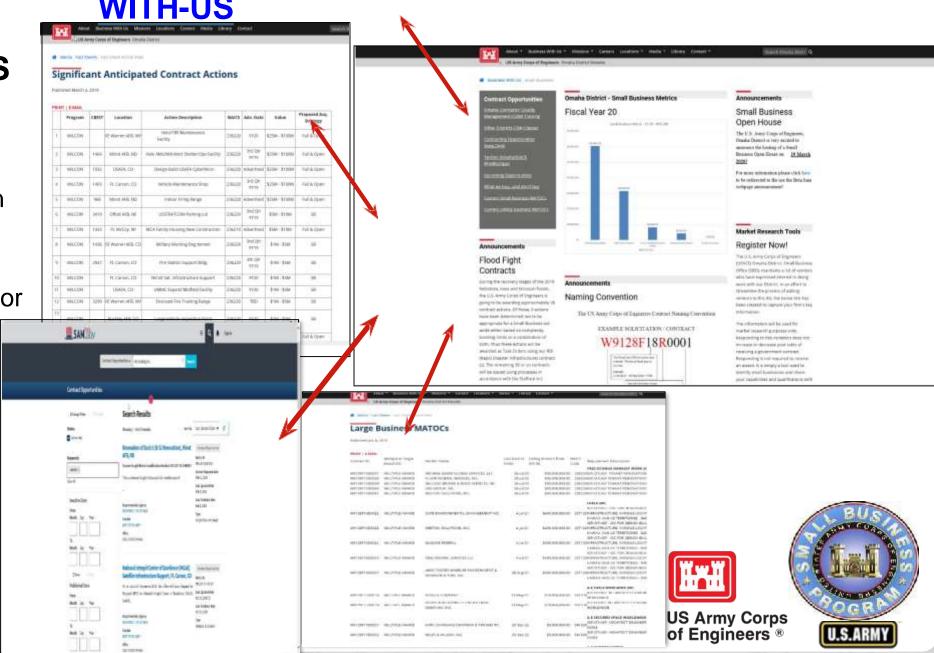
Link to District Contracting **Opportunity Forecast** 

Provided for Information only

Formal request for proposal and invitation for bids publicized at SAM.gov

**Active Contracting** Opportunities and contract awards posted on beta.SAM.gov Search Code:

**W071 ENDIST OMAHA** 



#### **POINT OF CONTACT**

#### **Chief, Small Business Program**

Daniel Curado daniel.m.curado@usace.army.mil 402.995.2910

Webpage:

http://www.nwo.usace.army.mil/Business-With-Us

