



# Naval Surface Warfare Center Indian Head Division (NSWC IHD) Construction/A&E/Facilities Industry Day

# WELCOME!!!

01 November 2023





# Agenda

<b>8:15 a.m. - 9:00 a.m.</b>	<b>Registration Sign-In</b>
<b>9:00 a.m. - 9:10 a.m.</b>	<b>Welcome</b> Ms. Jennifer Barnidge, NSWC IHD Deputy Director for Small Business
<b>9:10 a.m. - 9:20 a.m.</b>	<b>Opening Remarks</b> CAPT Steve Duba, NSWC IHD Commanding Officer
<b>9:20 a.m. - 9:35 a.m.</b>	<b>Guest Speaker - Maryland APEX Accelerator</b> Ms. Pamela Minor, Procurement Specialist Counselor & VA Certified Counselor
<b>9:35 a.m. - 10:00 a.m.</b>	<b>Security Overview; Working w/ IHD</b> Ms. Brittany Bodnar, Supervisory Security Specialist
<b>10:00 a.m. - 10:15 a.m.</b>	<b>Break</b>
<b>10:15 a.m. - 11:00 a.m.</b>	<b>ECMP &amp; Code 102 Overview</b> Mr. James Sherman, Code 10 Deputy Department Head
<b>10:15 a.m. - 11:00 a.m.</b>	<b>Construction and A&amp;E Breakout Sessions w/ Q&amp;A and Networking</b>

## Breakout Sessions:

### Construction

Room 101 A/B (Main Space)

### A&E

Room 108 A/B

# Naval Surface Warfare Center Indian Head Division

Presented to:

**Energetics Comprehensive Modernization  
Industry Day**

Presented by:

**CAPT Steve Duba**

Commanding Officer

- 01 Nov 2023 -

**CAPT Steve Duba, USN**  
**Commanding Officer**

**Mr. Ashley G. Johnson, SES**  
**Technical Director**

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# Mission

Research, develop, test, evaluate (RDT&E), manufacture and provide in-service support of energetics and energetic systems. Provide Soldiers, Marines, Sailors and Airmen with information and technology to detect, locate, access, identify, render safe, recover, exploit and dispose of explosive threats.



## Range and Speed

- Propellants
- Explosives
- Fuels
- Reactive materials
- Rocket motors
- Conventional ammunition

## Lethality

- Novel explosives
- Reactive materials
- Warheads
- Casing
- Modeling and simulation (M&S)
- Conventional ammunition

## Signatures Management

- Propellants
- Fuels
- Rocket motor design
- M&S
- Safe and arm (S&A) devices

## Safety

- EOD
- S&A / Fuzing
- Aircrew escape
- Packaging, Handling, Storage, and Transportation of Energetics
- Insensitive munitions
- Chem bio defeat

# What Are Energetics?

## Energetics define a weapon system's performance:

- Range, speed, lethality, signatures management, safety, logistics

## Energetics include:

- Ingredients (energetic materials, inert ingredients)
- Formulations (explosives, propellants, fuels)
- Energetic material systems (fuzes, rocket motors, warheads, munitions)

## Energetics are essential to every warfighting domain:

- Undersea (*e.g.*, torpedo fuel, warheads, mines)
- Surface (*e.g.*, guns, STANDARD Missile, Sea Sparrow Missile)
- Air (*e.g.*, rockets, ejection seats, bombs, Sidewinder Missile)
- Expeditionary (*e.g.*, ordnance disposal, crew served weapons)



**Energetic material systems are a critical enabler for all combat capability**



# The Navy's Arsenal

**Purpose Built:** established in 1890, NSWC IHD has been manufacturing energetics at war mobilization scales for over 125 years

**Navy's Public Arsenal:** SECNAV designated NSWC IHD as a Center for Industrial and Technical Excellence (CITE) for Energetics and Ordnance Systems Depot maintenance and Arsenal activities in 2014; the only such public naval arsenal

**Government Owned:** NSWC IHD focuses on military products with critical national security importance, significant safety/environmental risks, and low profit potential for the private sector; public-private-partnerships (P3) in place to bolster the industrial base

**Necessary for Innovation:** RDT&E, engineering and manufacturing combined at one site allows Navy to efficiently advance combat capability across ALL warfighting domains

**NSWC IHD is the Navy's surge energetics manufacturing site with the capabilities and expertise needed for wartime mobilization**



# NAVSEA Warfare Centers: 10 Divisions – 1 Team



NSWC Crane Division  
Crane, Ind.

NSWC Carderock Division  
West Bethesda, Md.

NSWC Panama City Division  
Panama City, Fla.

NSWC Dahlgren Division  
Dahlgren, Va.

NSWC Port Hueneme Division  
Port Hueneme, Calif.

NSWC Philadelphia Division  
Philadelphia, Penn.

NSWC Corona Division  
Corona, Calif.

NSWC Indian Head Division  
Indian Head, Md.



NUWC Keyport Division  
Keyport, Wash.

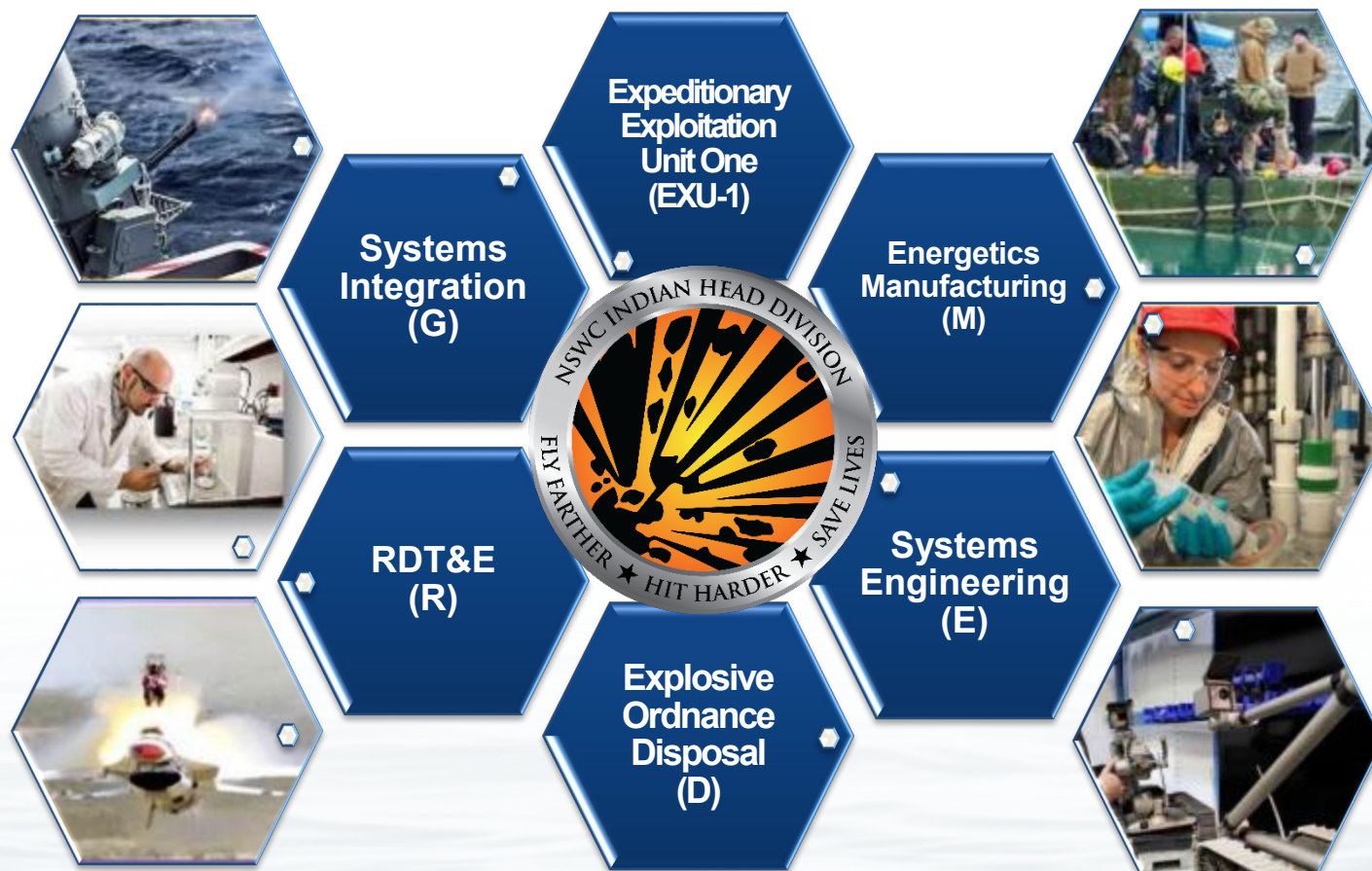
NUWC Newport Division  
Newport, R.I.

Naval Surface Warfare Center

Naval Undersea Warfare Center



# Technical Departments





# Numbers at a Glance

## FY23 Execution

**\$737.3M direct / \$223M indirect**

### Total Contracting Effort

**\$674.3M**

### Buildings Occupied

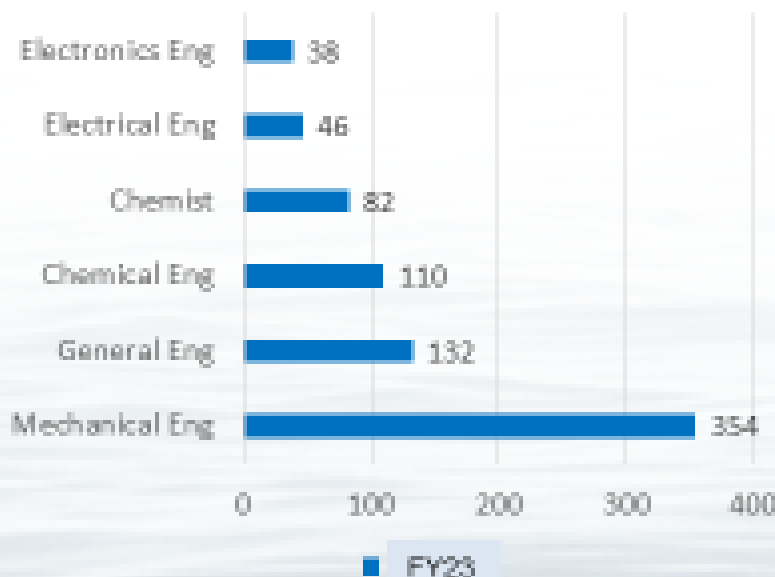
**879**

### Total Square Feet

**1,968,161**

### Civilian Staffing

#### Top S&E Disciplines



**Scientists and Engineers: 892**

**Average Age of Workforce**

**44**

### Employees \*

**2,406**

### Average Years of Service

**12**

### Workforce Education (Technical)

**Bachelors: 571  
Masters: 231  
Ph. D.: 87**

\* Does not include contractors



# INTRODUCTION TO THE MARYLAND APEX ACCELERATOR



# WHAT WE ARE ABOUT

## Maryland APEX Accelerator Mission Statement:

*“OUR MISSION: “It is our mission to help position businesses registered in the state of Maryland to fully compete in the federal, state, and local government procurement processes.”*

### We do this by offering:

- No Cost One-on-one counseling for small business owners and government contractors.
- Specialized training and outreach events.
- A Bid match service via email.





# FY'21 SUCCESS HIGHLIGHTS



**2,051**

Counseling Hours



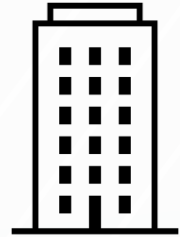
**2,942**

Attendees at Events



**\$65 Million**

Contract Awards



**1,062**

Small Businesses

*The APEX Accelerator is funded in part through a cooperative agreement with the Department of Defense.*

## INDIVIDUALIZED COUNSELING FOR:

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- Government Marketing Strategies
- Government Registrations (eMaryland Marketplace; Small Business Reserve; System for Award Management (SAM); WOSB; EDWOSB Self Certification; SDVOSB/VOSB Verification with the VA)
- Federal & State Procurement
- Bid & Proposal Assistance
- Pre and Post Award Audits
- Business Assessment and Marketing Strategies
- GSA Schedule Assistance
- And More!

[REGISTRATION LINK](#)

## SPECIALIZED WORKSHOPS & TRAINING\*

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- How to Do Business With... A Series of Outreach Events
- Learn How to Respond to an RFP/RFQ
- General Services Administration (GSA)
- Successful Contracting with the Federal Government
- Introduction to Federal Contracting & Simplified Acquisitions
- Proposal Writing Level 1 & 2
- SBIR/STTR
- Contract Administration
- Strategies for Teaming & Joint Ventures
- Secrets of Contracting with Maryland
- DCAA Compliance
- Cybersecurity
- Cost Proposal Development

[CLASS SCHEDULE LINK](#)

\*New training classes are added regularly:



## BID MATCH SERVICE VIA EMAIL

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Get access to hundreds of opportunities that are matched against your client profile. Some sources are as follows:

- **Sam.gov**
- **Small Federal buys** from DLA, electronic bulletin boards, and websites
- **EDI** (Electronic Data Interchange) Purchases from:
  - FACNET – Various DoD and Civilian Agencies
  - Department of Energy EDI Program
  - Veteran’s Administration – VA hospitals
  - DAASC – DLA and Navy EDI Bids
- **USABID®**
  - State/County/Local Government Requisition Bids
  - Foreign Trade Opportunities
  - Department of Defense

[BID MATCH LINK](#)

# NEXT STEPS



*We Prepare You for Government Contracting Success!*

ARE YOU READY FOR COUNSELING? YOU MUST...

- Have a Business in state of Maryland
- Have a Business that is in good standing

No cost, confidential counseling

Register to become a client at  
<https://www.mdptac.org/>





## MARYLAND APEX ACCELERATOR

5825 University Research Court, Ste 1300 College Park, MD 20740

Website: <https://www.mdptac.org>

Email: [ptapadm@umd.edu](mailto:ptapadm@umd.edu)

Phone: (301)-405-6550

Social: @mdptac







# Security Overview

Brittany Bodnar – South Potomac, Supervisory Security Specialist

William Gregor – NSWC Indian Head, Security Director (Code 105)

# Security Overview

## Naval Support Activity South Potomac Base (NSASP) Access

- NSA South Potomac strongly encourages the use of the NCAC Program (RAPID Gate) to gain access.
- If a company does not choose to use the NCAC Program they will be required to stop at the Pass & ID Office daily to be issued a one day visitors pass.
- NSA South Potomac Pass and ID office hours are Monday – Friday from 0700-1500 and closed on Federal holidays.
- The following forms are required to access the installations; SECNAV 5512/1 Form, Expected Visitor Form NSASP 5512/17V. For taking pictures on the installations, a Camera Permit Request Form NSASP 5512/17C will also need to be submitted for each individual. The forms are required to be submitted at a minimum of 5 days prior to the date of the visit. The expected visitors form can be submitted for up to 90 days for individuals and it is the company's responsibility to renew the form with the point of contact.
- Department of the Navy Local Population ID Card/Base Access Pass Registration (SECNAV 5512/1) will be used to vet visitors. Forms may be sent by encrypted email, faxing or hand carrying to Pass and ID. If any form is not complete, the form will be returned for correction. NOTE: Ensure Blocks 29 and 30 are initialed and Block 31 INK-SIGNED and dated. No digital signatures are accepted. Individuals will be required to submit two forms of identity source documents from the "list of acceptable documents" listed on Page 3 of the SECNAV 5512/1.



# Security Overview

## Naval Support Activity South Potomac Base Access – Continued

- The Camera Permit Request will be an electronic pdf document that is digitally signed and emailed over as a pdf document. The NAVFAC office will be required to submit the form to the mailbox.
- The National Anthem Broadcast is done daily at 8 a.m. If you hear the National Anthem you are requested to stand at attention facing the music with your right hand over your heart. If you are driving and hear the National Anthem being played you are asked to stop your vehicle turn on your hazards until the last note of the music before proceeding. Anyone driving on base at 8 a.m. should anticipate being able to hear and should exercise caution and be prepared to stop.
- Delivery Truck drivers are required to have a CURRENT bill of laden, point of contact name, point of contact phone number, driver's license, vehicle registration and vehicle insurance. Delivery drivers will be required to complete the SECNAV 5512/1 form in the visitor's center.
- Rental equipment is treated as a delivery truck driver for the delivery of the equipment however if the equipment fails it is the contractors responsibility to ensure they have the rental company technicians on file to visit if required. The technicians will be required to submit the SECNAV form and the expected visitors form as they are coming to perform work and are not just dropping off equipment and leaving the base.



# Security Overview

## Naval Support Activity South Potomac Base Access – Continued

- Ensure that each worker has their visitors pass on their person and not left in the car or located at a different location as they can always be questioned and will be required to present their visitors pass along with their photo ID.
- Ensure workers have cleaned out their vehicles as they can be searched at any time while on base. Ensure there are no firearms, knives, alcohol, or drugs in the vehicle.
- The speed limit on base is 25 MPH unless marked otherwise.
- All recording devices and/or cameras must have prior approval before being used on the base.
- Cell phones are allowed in the Admin Area on a hands-free device. NO cell phone usage is permitted in the Restricted Area.
- There is no flame producing devices in the Restricted Area. There is no smoking in the Restricted Area except in the designated smoking areas or gazebos.

# Security Overview

## Naval Support Activity South Potomac Base Access – Continued

- For electronic cigarettes (e-cigs) and Vaping in accordance with the SECNAVINST 5100.13E policy all tobacco use is prohibited inside Department of Navy facilities and all tobacco product use may only be used in designated tobacco use areas.
- The Explosive Vehicles will have flashing lights while on base; you must pull over and treat them as an emergency vehicle.
- Non-U.S. Citizens are required to have either the Department of Homeland Security (DHS) I-551 Permanent Resident Card or the DHS I-766 Employment Authorization Card along with either a state issued identification card or a state issued driver's license in order to gain unescorted access to the base.



# Naval Surface Warfare Center Indian Head Division (NSWC IHD) Construction/A&E/Facilities Industry Day

# BREAK



# ECMP Project Industry Day

Presented to:

**NSWC Indian Head Corporate Partners**

Presented by:  
**Jim Sherman**

1 Nov 2023

**CAPT Stephen C. Duba, USN**  
**Commanding Officer**

**Mr. Ashley G. Johnson, SES**  
**Technical Director**

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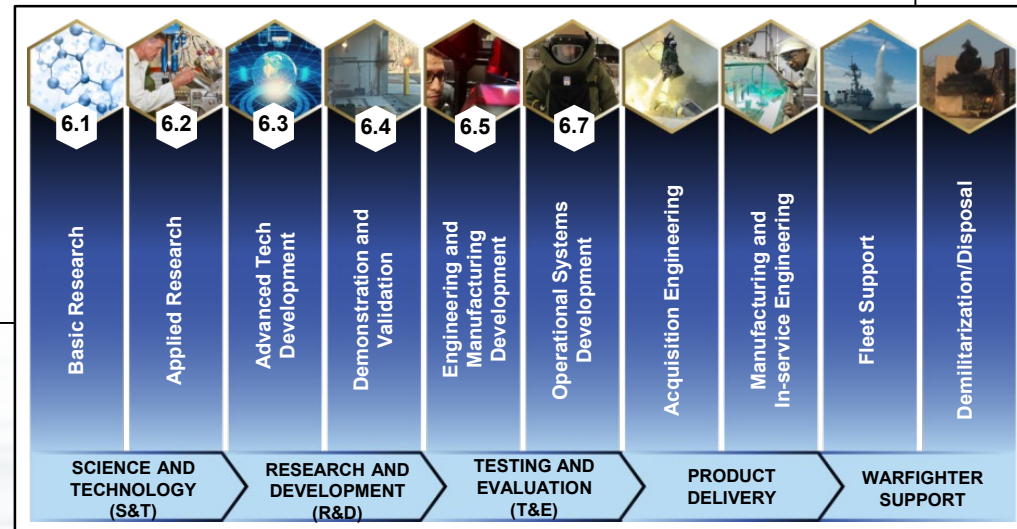
# NSWC Indian Head

**Mission:** Research, develop, test, evaluate (RDT&E), manufacture and provide in-service support of energetics and energetic systems. Provide Soldiers, Marines, Sailors and Airmen with information and technology to detect, locate, access, identify, render safe, recover, exploit and dispose of explosive threats.

**Vision:** Outpace our Adversaries

## Key Highlights:

- Navy's Center of Excellence for Energetics
- SECNAV designated **Arsenal** for energetics and ordnance systems
- Only DON activity delivering full-spectrum energetics solutions from basic research disposal



# The Navy's Arsenal

- Purpose built in 1890
- Navy's public arsenal
- Government owned
- Required for surge
- Leader in innovation



**NSWC IHD is the Navy's only government owned and operated surge energetics manufacturing site with the capabilities and expertise needed for wartime mobilization**



# What is ECMP?

- The Navy is using an all-hands-on-deck strategy to bolster its munitions capability and capacity. This includes investment in both the private and organic sectors of the munitions industrial base (MIB).
- As a foundational layer to the munitions industrial base, the Navy's Arsenal advances state-of-the-art technologies, bridges the gap between private sector capacity and national munitions requirements, and stewards core expertise and capabilities as the Navy's expert and trusted advisor in this field.
- The Energetics Comprehensive Modernization Plan (ECMP) will fully restore the Navy's Arsenal infrastructure over the coming years. The vision is an Arsenal that is safe, agile, resilient and ready to provide the capabilities and capacity required for wartime preparation, surge and replenishment.
- The ECMP includes more than 500 infrastructure modernization projects, balanced across the core competencies of research and development, test and evaluation, engineering, manufacturing, and logistics and fleet support.



# ECMP Project Overview

**Purpose:** develop a comprehensive plan that identifies investments and strategies to modernize the DON arsenal infrastructure to meet wartime preparation, surge, and replenishment requirements of energetic materials and munitions

## Scope:

- Comprehensive look at the Navy's organic munitions industrial base
- Focused on infrastructure but acknowledges policy relief concerns

## Outline:

- *Why:* Navy/DoD demand signal
  - Answers why Navy needs a healthy organic infrastructure
- *How:* provide increased readiness, capacity, and capability to meet urgent demands and strengthen surge capacity
- *What:* comprehensive set of actionable infrastructure projects and policy requests





# Timeline

- In the **near term**, the ECMP addresses safety, regulatory compliance and readiness issues. It will also improve efficiencies and restore latent capacity to meet urgent munitions production demands.
- In the **mid-term**, the ECMP will buy down the backlog of neglected sustainment and restoration, further expand capacity to meet anticipated surge requirements, and provide improved munitions capabilities.
- In the **far term**, the ECMP transitions into enduring facility sustainment, restoration, modernization (SRM) and incorporates state-of-the-art technologies and processes to enable a world class arsenal.

# ECMP Status

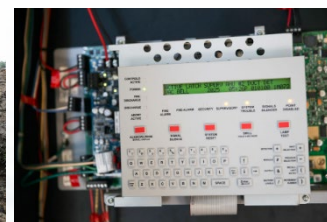
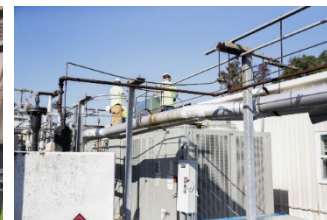
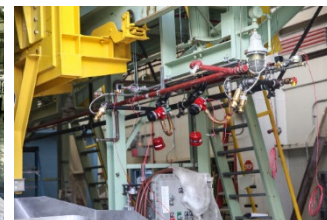
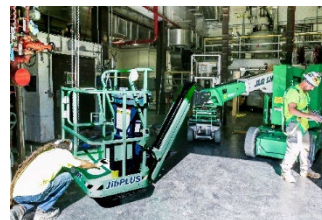
- ✓ **FY23 execution is on schedule: +\$72 million obligation above NSWC IHD working capital budget**
  - 51 projects in progress (\$25 million projected expense in FY23), emphasis on safety and key production lines



- ✓ **FY24 resourced with Navy Working Capital Fund: +\$150 million**

## Types of Projects

- Large Scale Facility and Process Renovations
- Fire Protection Modernization
- HVAC & Controls Integration
- Lightning Protection / Grounding-Bonding
- Roof Repair/Replacement
- Hazardous Abatement / Remediation
- Environmental / Site Improvement / Drainage
- Minor Interior Repairs





# ECMP Execution

## Infrastructure Division Mission:

Provide NSWC IHD, and the US Navy a wide range of facilities management expertise and services supporting the Arsenal to maintain and enhance infrastructure readiness and capacity.

## Contract Delivery Methods

- Design A/E IDIQ Contract
- Design A/E Competitive Award
- Multiple Award Job Order Construction Contracts
- Sole Source Contracts (e.g. 8a, Small-Business, Alaskan-Native, etc.)
- Construction Competitive Award
- Basic Ordering Agreements
- Traditional Design Bid-Build
- Design-Build
- Small Project / Joint Scope

## Execution Team

- NSWC 02 Contracts / NSWC Infrastructure
- NAVFAC
- USACE





# Naval Surface Warfare Center Indian Head Division (NSWC IHD) Construction/A&E/Facilities Industry Day

# Thank You!!!

