

# USCG Base Charleston

*Supporting the Coast Guard in the Low Country*



Base Charleston



# Coast Guard in Charleston

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- **Coast Guard Missions**
- **Overview of Coast Guard Civil Engineering**
- **Current State in Charleston**



# Coast Guard 11 Statutory Missions

1. **Ports, Waterways & Coastal Security**
2. **Drug Interdiction**
3. **Aids to Navigation**  
(ATON: including maintaining the nation's lighthouses, buoys & VTS; legacy ATON missions including lightships & LORAN)
4. **Search & Rescue (SAR)**
5. **Living Marine Resources**
6. **Marine Safety**
7. **Defense Readiness (National Security & Military Preparedness)**
8. **Migrant Interdiction**
9. **Maritime Environmental Protection**
10. **Law Enforcement**
11. **\*Polar, Ice & Alaska Operations (including the International Ice Patrol)**



# On an average day, the Coast Guard will...



Saves **12** lives



Saves over **\$1.2M** in property



Investigates **34** pollution incidents



Interdicts **7** undocumented migrants



Conducts **44** search and rescue cases



Assists **60** people in distress



Seizes **85** pounds of marijuana



Conducts **107** marine inspections



Seizes **1,221** pounds of cocaine



Conducts **12** security boardings in and around U.S. ports



Conducts **15** fisheries conservation boardings



Completes **23** safety exams on foreign vessels



Investigates **50** marine casualties involving commercial vessels



Services **80** buoys and fixed aids to navigation



Escorts **9** high-capacity passenger vessels



Base Charleston

# Mission Support Business Model

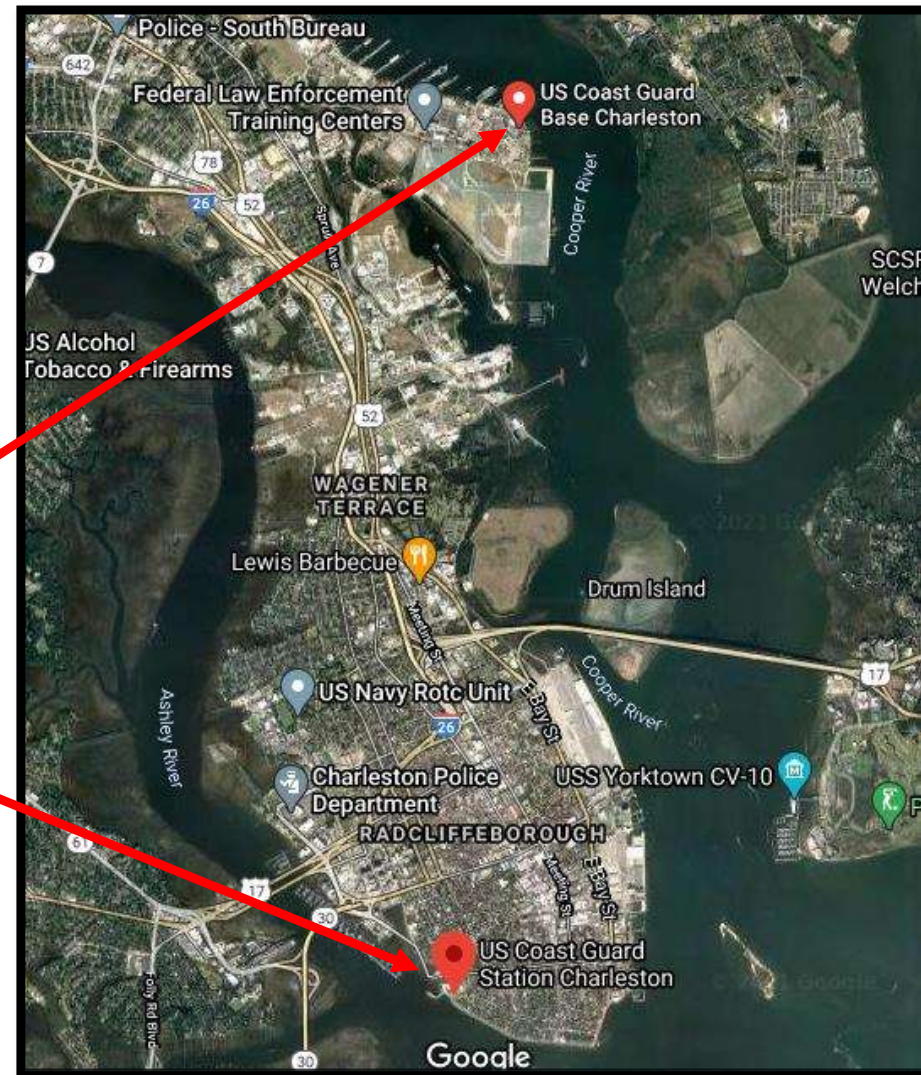


# Coast Guard Org Chart



# Base Charleston: Current State

- Provides local mission support services to 11 tenant commands
- Provides regional support to Coast Guard units in SC, GA, and northeastern FL
- Split campuses:
  - North Charleston (Register Street)
  - Charleston (Tradd Street)

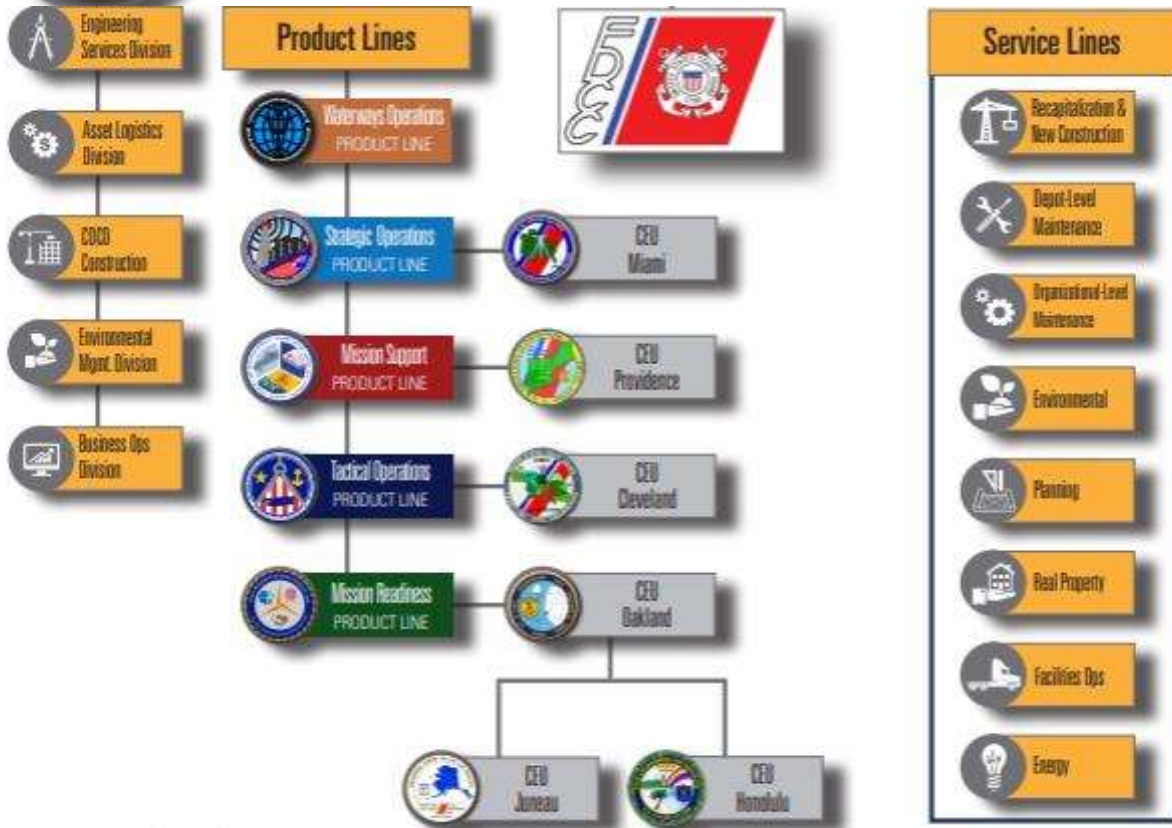


# Coast Guard Civil Engineering

## Shore Infrastructure Logistics Center (SILC) Organization



### Shore Infrastructure Logistics Center



### Facilities Design and Construction Center (FDCC)

- Norfolk, VA
- Seattle, WA (detachment)

### Civil Engineering Units (CEU)

- Providence, RI
- Cleveland, OH
- Miami, FL
- Oakland, CA
- Juneau, AK
- Honolulu, HI



Base Charleston



# Base Charleston at a Glance

- **Personnel (Base only)**

- 15 Officers
- 152 Enlisted
- 39 Reservists
- 25 Civilians
- Total: 231

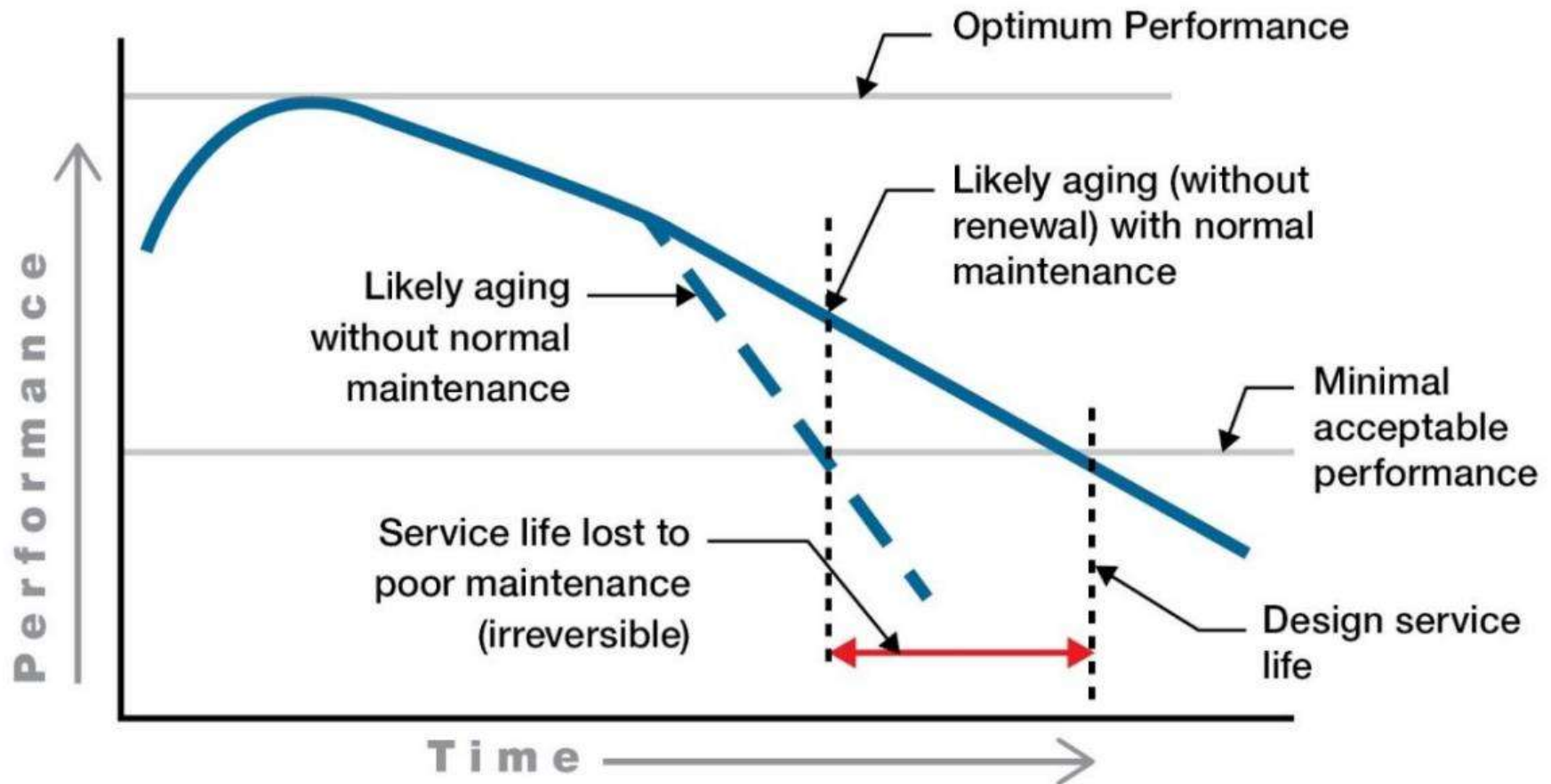


- **Facility (includes sites in North Charleston and Charleston peninsula)**

- 177,262 SF
- 97.5 Acres
- 4 piers; approx. 7,400' of mooring face



# Maintaining Facilities at Base Charleston



# Future of Base Charleston

- **Cutter Homeporting (currently 4 cutters and 2 buoy tenders):**
  - FY23: National Security Cutter CGC CALHOUN with ~130 personnel
  - FY26+: National Security Cutter CGC FRIEDMAN with ~130 personnel
  - FY30+: Charleston notional homeport for up to 5 Offshore Patrol Cutters with ~100 personnel each
- **USCG Personnel in greater Charleston: 1,300 today; 2,300 by 2030.**

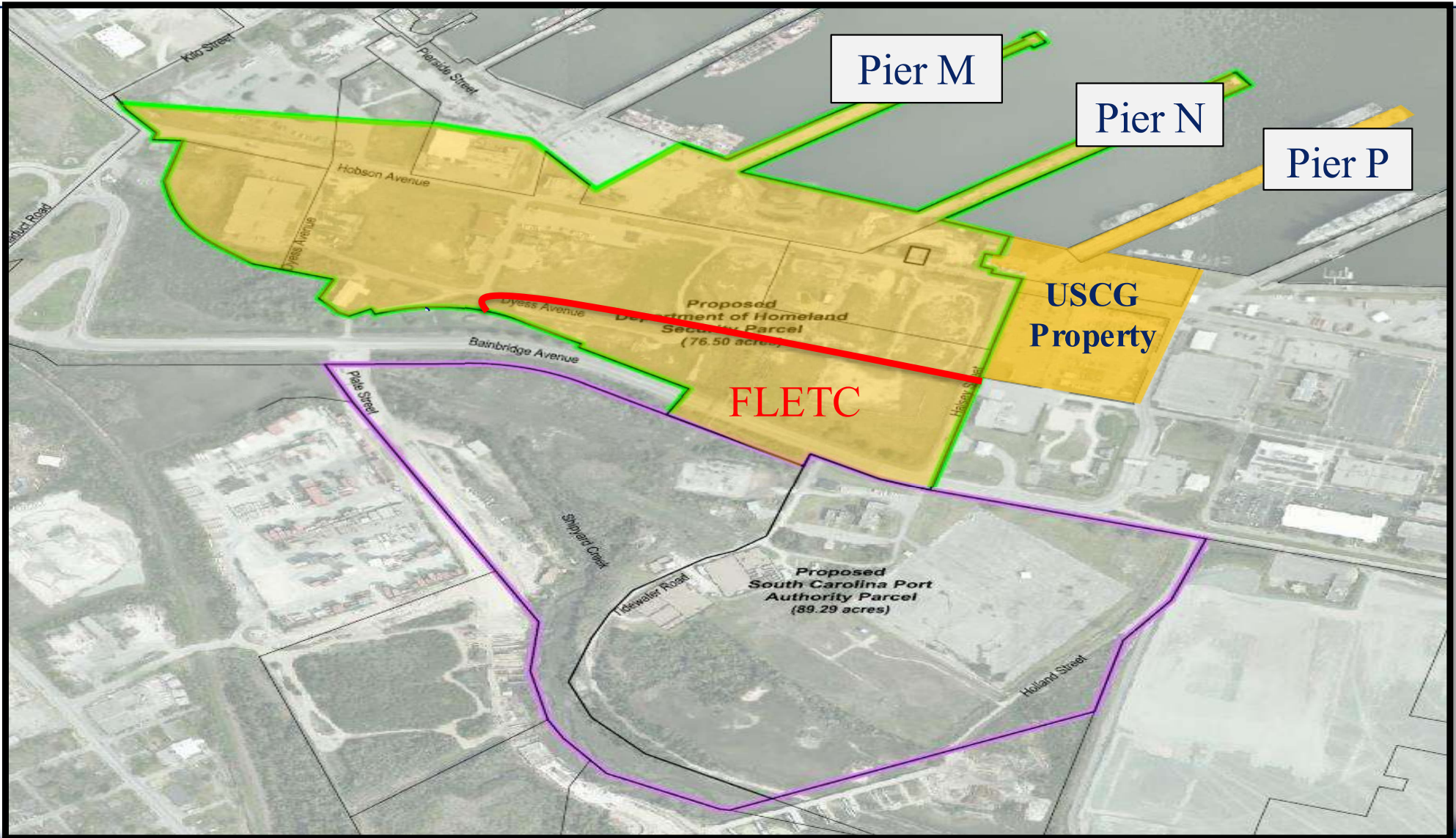


# USCG Base Charleston Planning

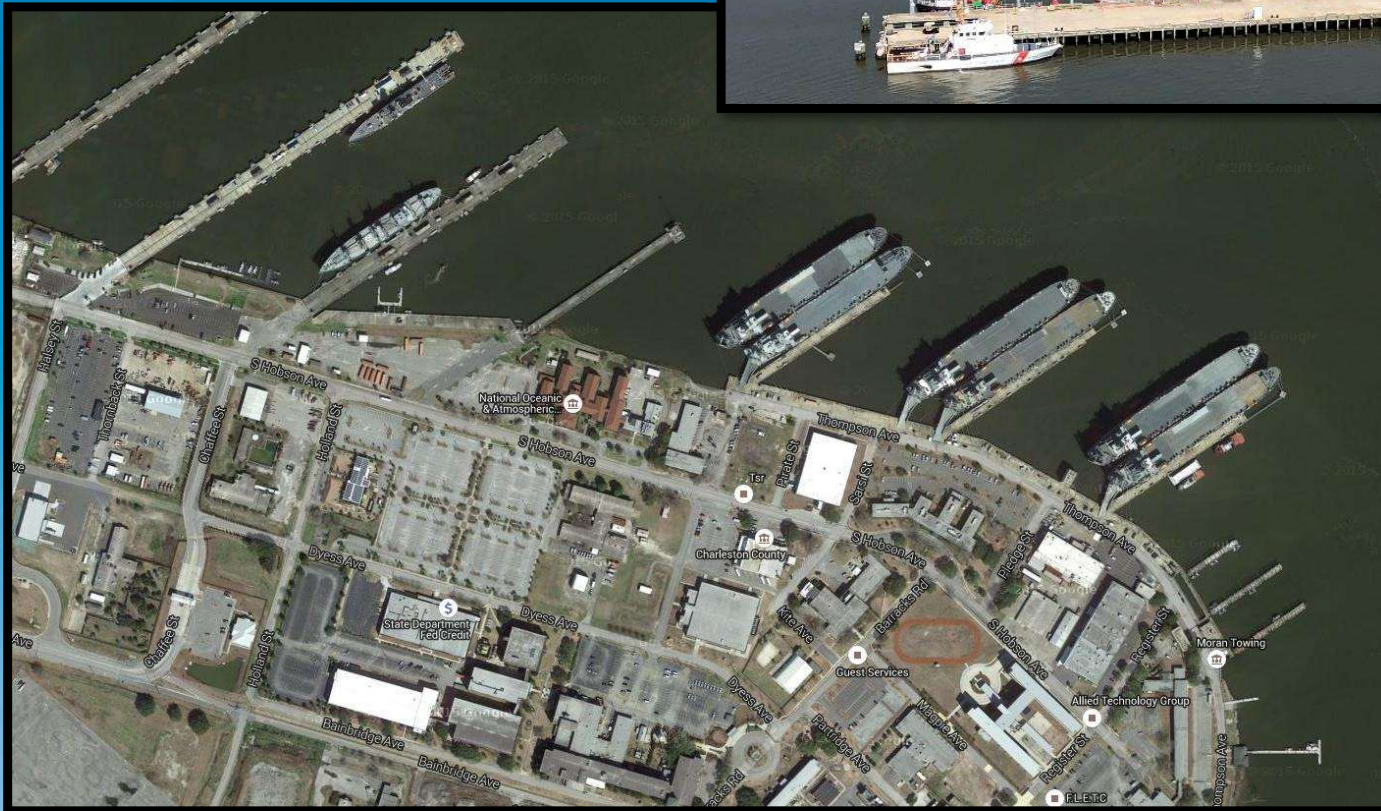
- **Land Exchange:**
  - In 2021 CG completed land exchange with SC Ports Authority. The final footprint for the N. Charleston CG campus will be 64 acres and three piers.
  - Will utilize 2019 supplemental funds for a pier recapitalization project and new administrative building.
- **Planning Efforts:**
  - The Coast Guard remains engaged with federal, state, and local partners to develop long term plans and strategies to account for the Coast Guard expansion.
- **New Construction:**
  - Pier Recap
  - Admin Building
  - Site Utilities/Infrastructure



# Finalized Land Exchange (Feb 2021)



# Questions?



Base Charleston



# Coast Guard Civil Engineering Program Overview (emphasis on Charleston)

**Presented to:**  
**SAME Charleston Post**  
**13 March 2024**

**LCDR John Houk**  
P. E., PMP, LEED AP BD+C, Assoc. DBIA  
**Senior Project Manager**  
**USCG Facilities Design and Construction Center**



**Mission Support**



# Today, I'm going to cover:

- Civil Engineering Summary
- Facilities Design and Construction Center
- Procurement and Execution Approaches
- Charleston Projects
- Upcoming FDCC Projects

## Base Boston Fast Response Cutter (FRC) Homeport





# Shore Infrastructure Portfolio Highlights

- 2/3 of DHS shore infrastructure portfolio
- Over 41,000 Assets
  - 21,000+ Buildings and Structures
  - 20,000+ Aids to Navigation
  - 3,000+ Sites
  - 74,000+ Acres
- Average Building Age = 45 years
- \$24 BIL Plant Replacement Value



Industrial Facilities & Bases



Sectors & Stations



Housing & Barracks



Training Centers



Air Stations



Waterways



## ■ Who we are:

The Facilities Design and Construction Center (FDCC) is the only U.S. Coast Guard command dedicated to executing new shore facilities construction and major recapitalization projects.

## ■ What we do:

We deliver the Coast Guard's capital facility requirements through the execution of the major appropriations for shore infrastructure.

### Current Portfolio Snapshot

**\$2.67 BIL**

- Major\*\*: \$360 MIL
- Housing: \$91.6 MIL
- MASI: \$642 MIL
- Hurricane: \$1,371 MIL

*\*\*Includes FY22 Bi-Partisan Infrastructure Bill*

Responsible for all phases of project execution:

- Planning
- Environmental Consultation
- Design
- Procurement
- Construction
- Commissioning

# FDCC Overview

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**Mission: We advance operations and support our people through shore facilities.**

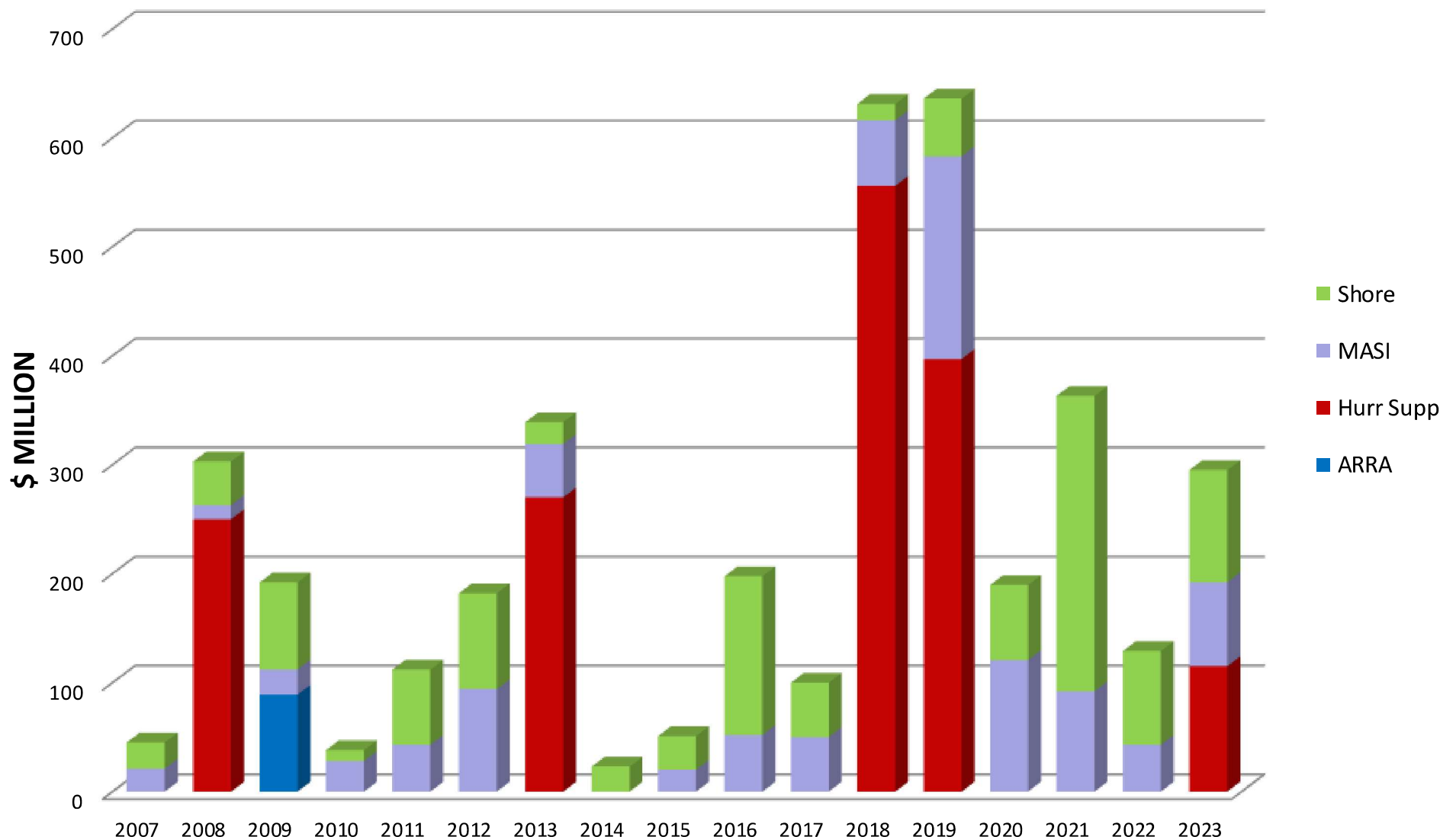
**Vision: Expertly build and sustain the right facilities.**

“Every Coast Guard Mission begins and ends at a Coast Guard Facility!”

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- FDCC Organization
  - ~70 personnel between Norfolk & Seattle & Detached Duty (Charleston, PR, AK)
  - Planners, Engineers, Architects, Financial Support Staff – work with Contracting Staff
  - 60 Active Projects in our Portfolio, \$2.7 Billion
  - Types of Funding: Major, MASI, Hurricane Supplemental, Housing, Infrastructure
- Project lifecycle: PP → PPR → RFP → Design → Construct

# Procurement, Construction & Improvements (PC&I) Historical Funding



# FDCC Project Execution Approach

- Predominantly Design-Build Approach
- Projects value typically range between \$5MIL to \$100MIL
- National Multiple Award Construction Contract (NMACC)
  - United States, Puerto Rico, and Territories
  - Task Order Limits \$4M - \$100M
  - Task Orders Not Posted on FEDBIZOPPS.GOV
- NMACC III
  - \$4B Aggregate Total
  - No task order limit
  - 3 pools (Large business, small business East Coast and West Coast)



AIRSTA Ventura

# NMACC III Contract

- NMACC III Unrestricted Pool 1 contracts awarded 28 Sept 2023
- Pools 2 and 3 are Small Business geographically demarcated East/West. In Phase II of award process for SB Pools
- Capacity \$4B; Base + Nine Option Years

## NMACC III Unrestricted Pool AWARDEES:

CADDELL/NOVA	GILBANE	RQ CONSTRUCTION
HASKELL	BRASFIELD & GORIE	AECOM-ECC
TUTOR-PERINI	WALSH	WHITING -TURNER
CIANBRO-HARKINS JV		

# NMACC III Scope of Work

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- Primarily Design-Build (DB), but may include Design-Bid-Build (DBB), or performance-based construction
- General construction services includes new construction, marine construction, demolition, renovation, alteration, repair, restoration
- DHS enterprise-wide non-mandatory contract vehicle
- Three distinct contractor pools, as follows: One (1) Unrestricted Pool (Full and Open), and two (2) Small Business Pools (Reserves)



# Procurement Approach

- Down Select Strategy & Process
- Best Value Trade Off
- Price Only for Low-Risk Projects
- Written Proposal, Oral Presentations



ATC Mobile Simulator Building

## Other Contract Opportunities

- Construction Inspections
- Environmental
- A&E for RFP development

# Acquisition Planning Forecast System: <https://apfs-cloud.dhs.gov>



UNCLASSIFIED

Public Forecast Dist | Acquisition | X

https://apfs-cloud.dhs.gov/forecast/

APFS Home About Contact Us Government Users Documentation Official website of the Department of Homeland Security

SDVOSB 53

TBD 50

Contract Vehicle

8(a) STARS III (8(a) STARS III) 5

Architecture and Engineering Services II 9

Definitive Contract 17

Design/Build & Construction Services III (NMACC III) 1

Design/Build Construction Services II (National) (NMACC II) 6

Design/Build Construction Services II (Regional) (RMACC II) 67

Contract Status

Follow-on to Existing Contract 3

New Requirement, No Contract 181

Place of Performance City

Aguadilla 1

Alameda 2

Annapolis 1

ANT Bristol, STA Chatham, STA Menemsha 1

Atlantic City 2

Baltimore 5

Place of Performance State

AK 10

View	APFS Number	Component	Title	NAICS	Contract Status	Place of Performance City	Place of Performance State	Dollar Range	Estimated Solicitation Release	Forecast Published
<a href="#">View</a>	*F2022057862	USCG/SILC-Const.	Nationwide Architect-Engineer (A/E) Indefinite Delivery/Indefinite Quantity (IDIQ) Multiple Award Task Order Contract (MATOC)	541330 - Engineering Services	New Requirement, No Contract	Norfolk	VA	Over \$100M	11/22/2022	11/02/2022
<a href="#">View</a>	F2023063775	USCG/SILC-Const.	6088528 M&R Command and Medical Bldg. at BASE Portsmouth	236210 - Industrial Building Construction	New Requirement, No Contract	Portsmouth	VA	\$2M to \$5M	01/01/2024	08/29/2023
<a href="#">View</a>	F2023064019	USCG/SILC-Const.	TRACEN Yorktown Facilities Maintenance Contract	561210 - Facilities Support Services	Follow-on to Existing Contract	Yorktown	VA	\$20M to \$50M	12/10/2023	08/31/2023
<a href="#">View</a>	F2023064046	USCG/SILC-Const.	PSN 2576757 - Construct Boat Storage Facility at STA Cape Charles, VA	236210 - Industrial Building Construction	New Requirement, No Contract	Cape Charles	VA	\$500K to \$1M	01/01/2024	08/30/2023
<a href="#">View</a>	F2023064050	USCG/SILC-Const.	PSN 10537332 - CPOP FY24_Major M&R COMMCOM HVAC Systems at COMMCOM, VA	236210 - Industrial Building Construction	New Requirement, No Contract	Portsmouth	VA	\$1M to \$2M	03/15/2024	08/30/2023
<a href="#">View</a>	F2023064069	USCG/SILC-Const.	PSN 05-C03058 - Repair UPH Heads in Station Building at STA Milford Haven, VA	236210 - Industrial Building Construction	New Requirement, No Contract	Milford Haven	VA	\$250K to \$500K	01/01/2024	08/30/2023
<a href="#">View</a>	F2023064196	USCG/SILC-Const.	FACILITY CONDITION ASSESSMENTS - VARIOUS UNITS THROUGHOUT THE US COAST	541330 - Engineering Services	New Requirement, No Contract	Norfolk	VA	\$10M to \$20M	10/30/2023	09/07/2023
<a href="#">View</a>	F2024064602	USCG/SILC-Const.	PSN 22250216 Design of Major M&R of Waterfront at BASE Portsmouth, VA	541330 - Engineering Services	New Requirement, No Contract	Portsmouth	VA	\$250K to \$500K	01/05/2024	11/29/2023



### STA Tybee Hurricane Rebuild

- FY17/18, Hurricane-Supp., \$32MIL Budget
- Provides new, resilient 25,000 sq. ft. multi-mission building, upgraded water supply and wastewater treatment, and new boat ramp.
- Ribbon cutting ceremony took place in October 2023.
- New boat ramp will be finished by March 2024 and the project will be complete!



# New Base Charleston Campus Groundbreaking



PRESS RELEASE | Jan. 26, 2024

## PHOTO RELEASE: Coast Guard holds groundbreaking ceremony for new Base Charleston campus

# New Base Charleston Campus – Site Overview



# New Base Charleston Campus – Site Overview



# Recap Pier November (SC)

- Project Cost: ~\$110M
- Procurement Method: NMACC
- PCC: Whiting-Turner
- Status: Early Construction(Demolition)



# Recap Pier November (SC)- Pier Deck Demo & Pile Extraction





# Recap Pier November (SC)- Sheet Pile Install

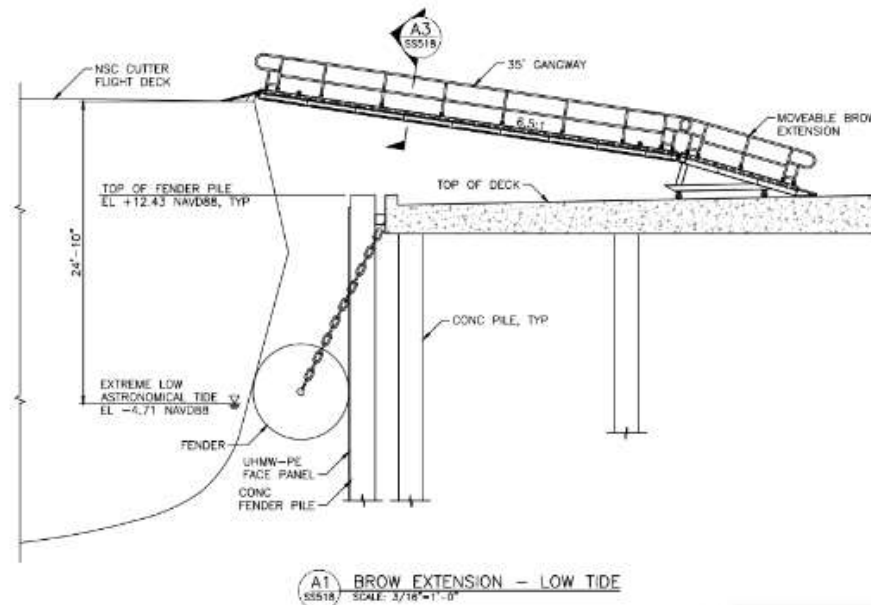
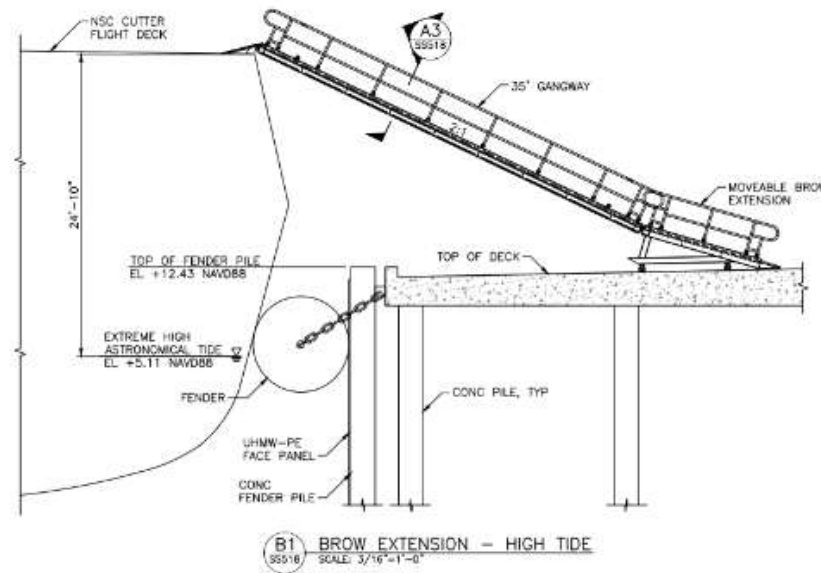




# Lessons Learned during Construction (so far...)

Impacts of Coastal Resiliency goals requiring design changes:

1. Sea-level Rise
2. Increase Pier Height
3. Address Brow Design
4. Charleston tidal range
5. Tradeoff decisions



# Lessons Learned during Construction (so far...)

## Site Conditions:

1. Tidal Flooding
2. Condition of existing infrastructure



**RECORD DRAWING**  
DATE 14 JUL 1966

**GRAPHIC SCALE**  
0 5 10 15 20 40 60 80 100

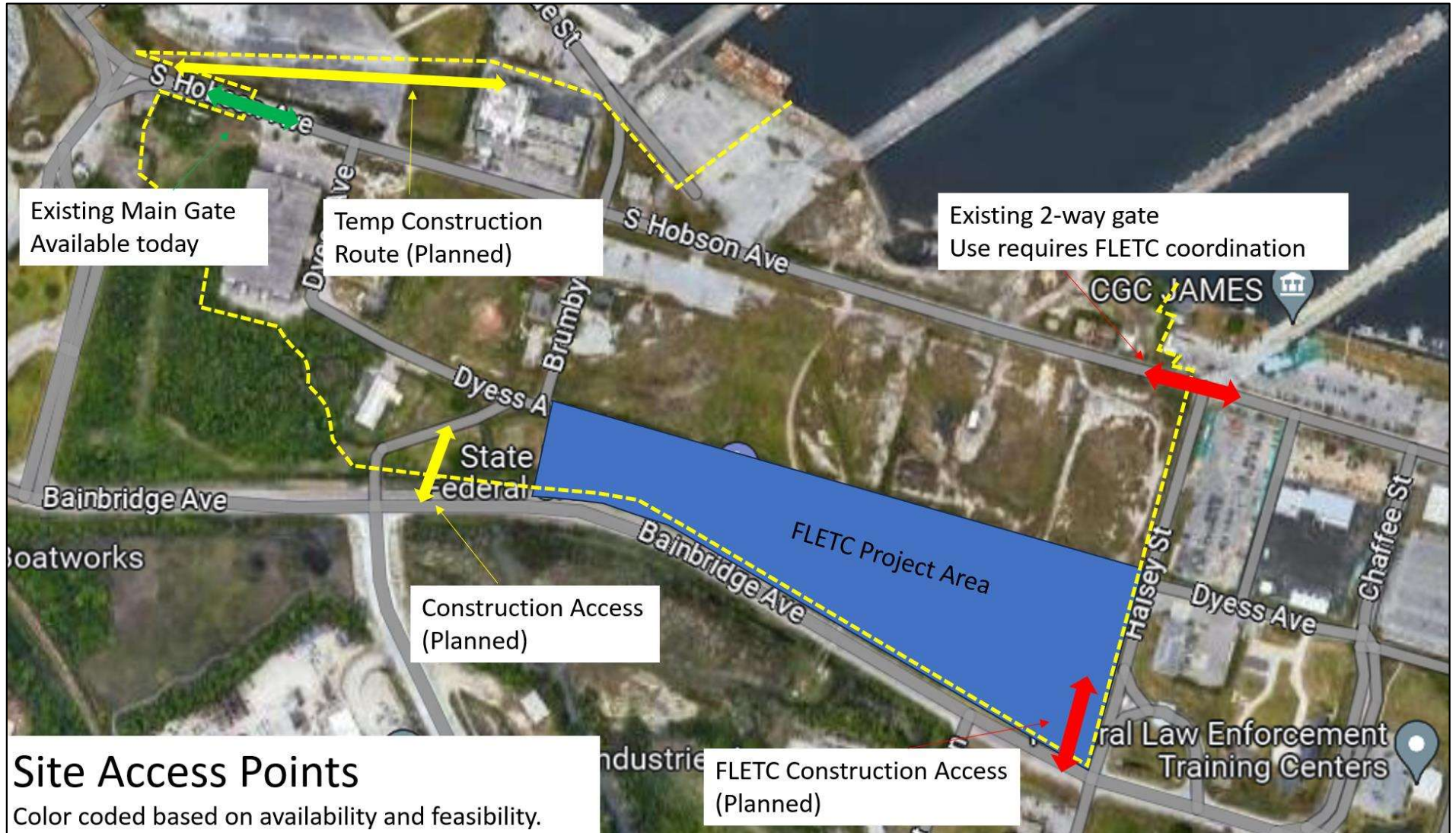
**NOTE**  
1. FOR BULKHEAD LAYOUT SEE Y&D DWG. NO. 1025148  
2. FOR LEGEND AND ABBREVIATIONS SEE Y&D DWG. NO. 1025149

REV.	DESCRIPTION	DATE	BY	CHECKED
1	AS-BUILT DRAWING - GENERAL REVISIONS	05-23-66	THORNER	
2	B.M. EL. 161 CORRECTED EL. 165	7-21-75	OROLE	

LOCKWOOD GREENE ENGRS., INC. SPARTANBURG, S. C. ARCHITECTS - ENGINEERS	DEPARTMENT OF THE NAVY SOUTH DIVISION-BUREAU OF YARDS AND DOCKS U. S. N.
JSA NO. 64047 DWG. NO. S-6 DR. J. KILIAN CHK. R. SPARKS	U. S. N. STATION CHARLESTON, S. C.
DESIGNED BY CHECKED BY APP. CHARLESTON ENGINEERING DIVISION	<b>SHIP BERTHING BULKHEAD</b> SITE PLAN NO. 2
APPROVED DATE	CODE SHEET NO. 80091 SCALE AS NOTED SHEET NO. 6 OF 6
<b>H335-6</b> JOB ORDER NO. 8-665-73-017	U. S. N. DRAWING NO. 1025150 SPEC. 60818/64 REV. 5 REV. 60818

# Lessons Learned during Construction (so far...)

## Balancing work areas & construction access points



# FDCC Project Outlook

On average, projects budgets range between \$5MIL to \$100MIL

**Project Title: Sector NY (Fort Wadsworth) Housing Ph I - 2024**

- Location: Staten Island, NY
- Solicitation Type: Design-Build
- Estimated Range: \$45M to \$53M

**Project Title: Base Charleston Utility Infrastructure, Roads & Clinic - 2024**

- Location: Charleston, SC
- Solicitation Type: Design-Build
- Estimated Range: \$80M to \$95M

**Project Title: San Juan Housing-Rebuild (PH I Bayamon Housing Utilities - 2024**

- Location: San Juan, Puerto Rico
- Solicitation Type: Design-Build
- Estimated Range: \$22M to \$27M

**Project Title: Seattle PSC Homeport (PH1A) 2024**

- Location: Seattle, WA
- Solicitation Type: Design-Bid-Build
- Estimated Range: \$200M to \$220M

**Project Title: STA Siuslaw River Covered Boat Mooring - 2024**

- Location: Siuslaw, OR
- Solicitation Type: Design-Bid-Build
- Estimated Range: \$10M to \$17M

**Project Title: TRACEN Cape May Barrack & Classrooms (PH I) - 2025**

- Location: Cape May, NJ
- Solicitation Type: Design-Build
- Estimated Range: \$53M to \$60M

**Project Title: USCG Academy Steam System Recap 2025**

- Location: New London, CT
- Solicitation Type: Design-Build
- Estimated Range: \$20M to \$26M

# Points of Contact for FDCC

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New Facilities or Major Recapitalization Projects:

Procurement, Construction and Improvement (PC&I) funds

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[mark.w.snell@uscg.mil](mailto:mark.w.snell@uscg.mil)

# Contracting Points of Contact for Civil Engineering Units

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Depot Level Maintenance and Repair:

**CEU Miami, FL:**

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[cheryl.a.berry@uscg.mil](mailto:cheryl.a.berry@uscg.mil)

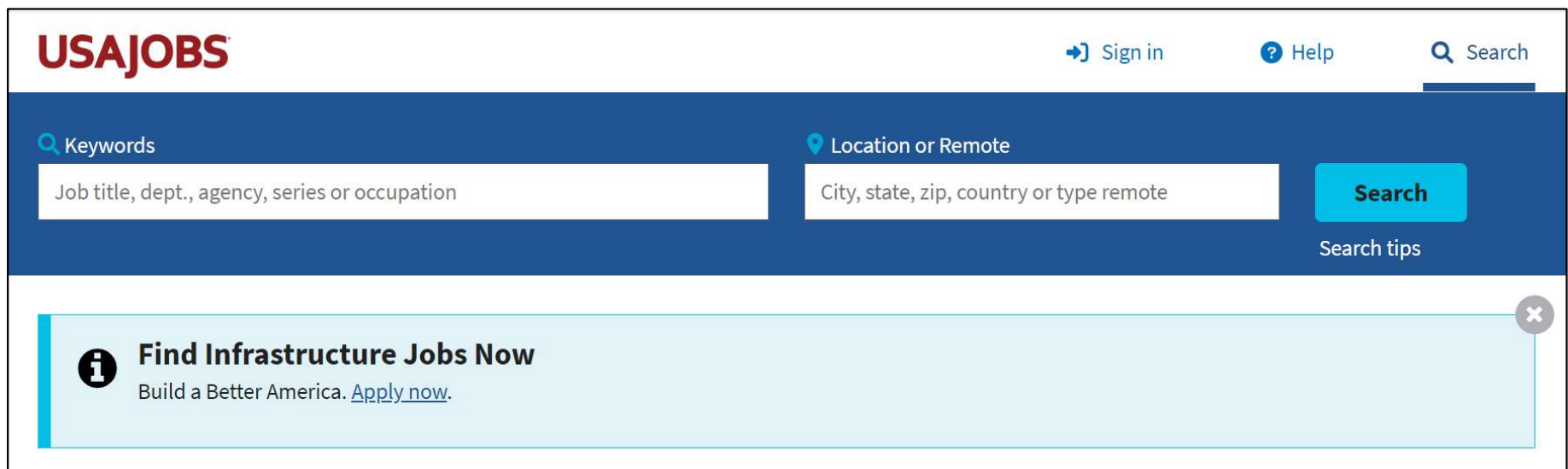
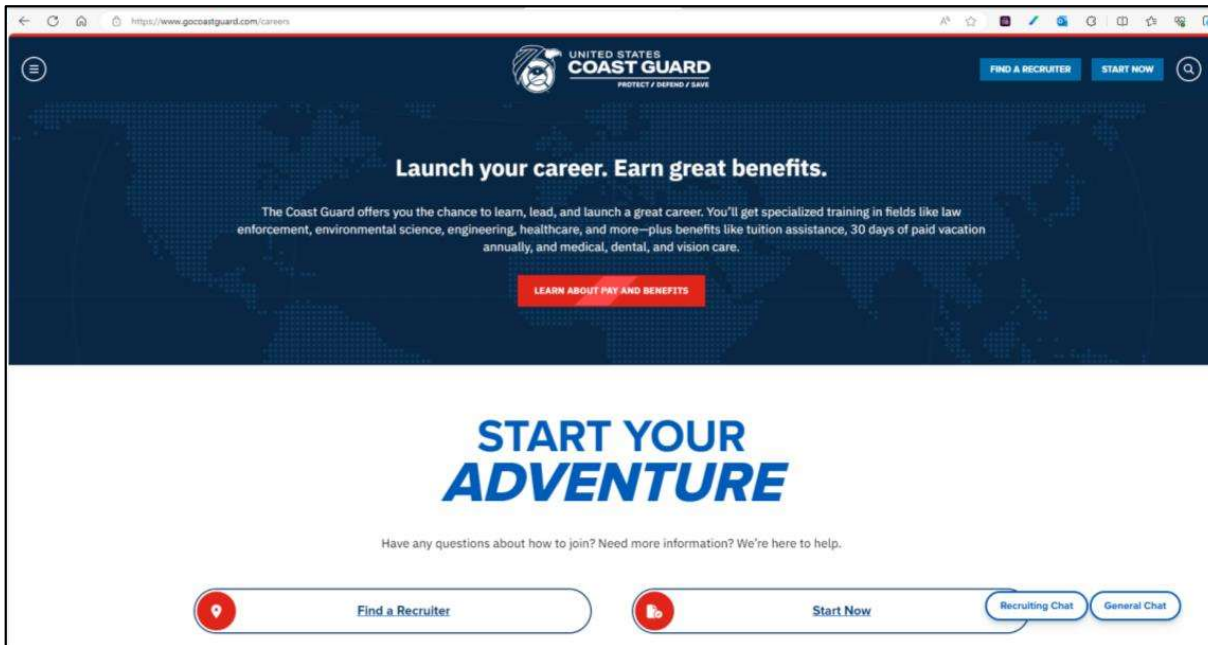
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# Summary

- Civil Engineering Summary
- Facilities Design and Construction Center
- Procurement and Execution Approaches
- Charleston Projects
- Recruiting – Join Today!

