

US Army Corps of Engineers Emergency Management Mission and Authorities

Marine Board Fall Meeting 2024
18 November 2024

NATIONAL
ACADEMIES

Sciences
Engineering
Medicine

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Who are we and what do we do?

USACE provides value for our Nation to diverse stakeholders in many ways:

- We deliver positive impacts for today and tomorrow – in construction, natural resource management, energy and sustainability, and capacity building, and more.
- We have the “right” people: world-class professional civilians and soldiers.
- We are U.S. Army “*ambassadors*” on a daily basis to political leaders, America’s small businesses, and to citizens wherever we serve them.

USACE Vision

Engineering solutions to the Nation’s toughest challenges.

USACE Mission

Deliver engineering solutions, with our partners, to secure our Nation, strengthen our economy, and reduce disaster risk.





USACE MISSION AREAS

A DIVERSE MISSION SET DRIVEN BY DIVERSE CUSTOMERS

Military Programs



Military Construction

.....
COCOM Support, Overseas
Contingency Operations (OCO)
.....

Installation Support, Environmental,
Energy and Sustainability

Civil Works



Navigation, Flood Control,
Disaster Response, Shore Protection,
Hydropower, Water Supply,
Regulatory, Recreation,
Environmental Restoration

Contingency Operations

COVID-19 Alternate Care Facilities (ACFs)



.....
“Whole of Government”
Disaster Response and Recovery
.....
Life-Cycle Flood Risk Management
.....

Critical Infrastructure

International and Interagency

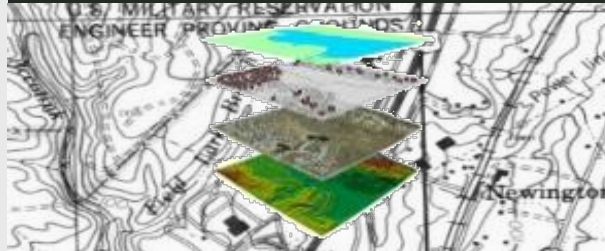


Federal / State / Local

.....
“Whole of USACE” Capabilities
.....

Capacity Development

Geospatial Support



Common Operating Picture / Environment

.....
Civil Works Programs
.....

Military Programs

.....
Emergency and Contingency Operations

Research and Development



Warfighter

.....
Installations and Energy
.....

Environment

.....
Water Resources

Real Estate – Acquire, Manage and Dispose / DoD Recruiting Facilities / Contingency Operations



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Disaster Preparedness

Development of and participation in, exercises and training in the inter- and intra-agency arena

PL 84-99: INITIAL ELIGIBILITY INSPECTIONS

Initial Eligibility Inspections conducted on an inactive flood risk management project segment/system based on established criteria. Inspection determines if the public sponsor is qualified to enter the Rehab Program and the project meets engineering and maintenance criteria

SUPPORT TO FEMA: URBAN SEARCH AND RESCUE STRUCTURES SPECIALIST CADRE

Rescue engineering capability to provide technical support and advice to task force leaders and commanders to assess damage, mitigate hazards, enable safe entry, and assure mobility throughout a disaster site to enable rescue and life-saving operations

SUPPORT TO FEMA: TEMPORARY ROOFING

Provide technical assistance to FEMA, State and local governments, and/or manage and contract for the installation of blue plastic sheeting onto roofs of damaged homes

SUPPORT TO FEMA: TEMPORARY HOUSING

Oversee the placement of temporary housing units at individual home sites, existing mobile home parks or newly designed and constructed mobile home parks when an event has rendered existing homes

PL 84-99: REHABILITATION

Rehabilitation of active Federal and Non-federal flood risk management project segment/systems, and rehabilitation of eligible Federally authorized and constructed Coastal Storm Risk Management Projects damaged by an extraordinary storm and which received significant damages

USACE Preparedness, Response, and Recovery Capabilities

SUPPORT TO FEMA: DEBRIS CLEARANCE AND REMOVAL

Provide capabilities such as removal, reduction and disposal of disaster debris and technical assistance to FEMA and local governments through either Direct Federal Assistance (DFA) or Federal Operations Support (FOS) Mission Assignments

SUPPORT TO DoD: SUPPORT TO MILITARY INSTALLATIONS

Engineering support to Specific Military Installations damaged by disasters, as requested

SUPPORT TO FEMA: TEMPORARY EMERGENCY POWER

Provide state and local officials, Tribal Nations and U.S. Territories broad support for their unmet temporary emergency power needs, from technical expertise/assistance through complete management of temporary emergency power mission including the hauling, installation, operation, maintenance, fueling, and de-installation of generators

PL 84-99: ADVANCE MEASURES AND HAZARD MITIGATION

Preventive work through technical or direct assistance performed due to imminent threat of unusual flooding. USACE participation in FEMA-led hazard mitigation effort intended to identify post-disaster mitigation opportunities, and establish framework for recovery

SUPPORT TO FEMA: CRITICAL PUBLIC FACILITIES

Provide critical public facilities such as government office space, police stations, fire stations, medical clinics, and school classrooms; units may be modular, interior office space constructed within a large warehouse type building, pre-engineered steel buildings, or large soft sided structures

PL 84-99: FLOOD RESPONSE OPERATIONS

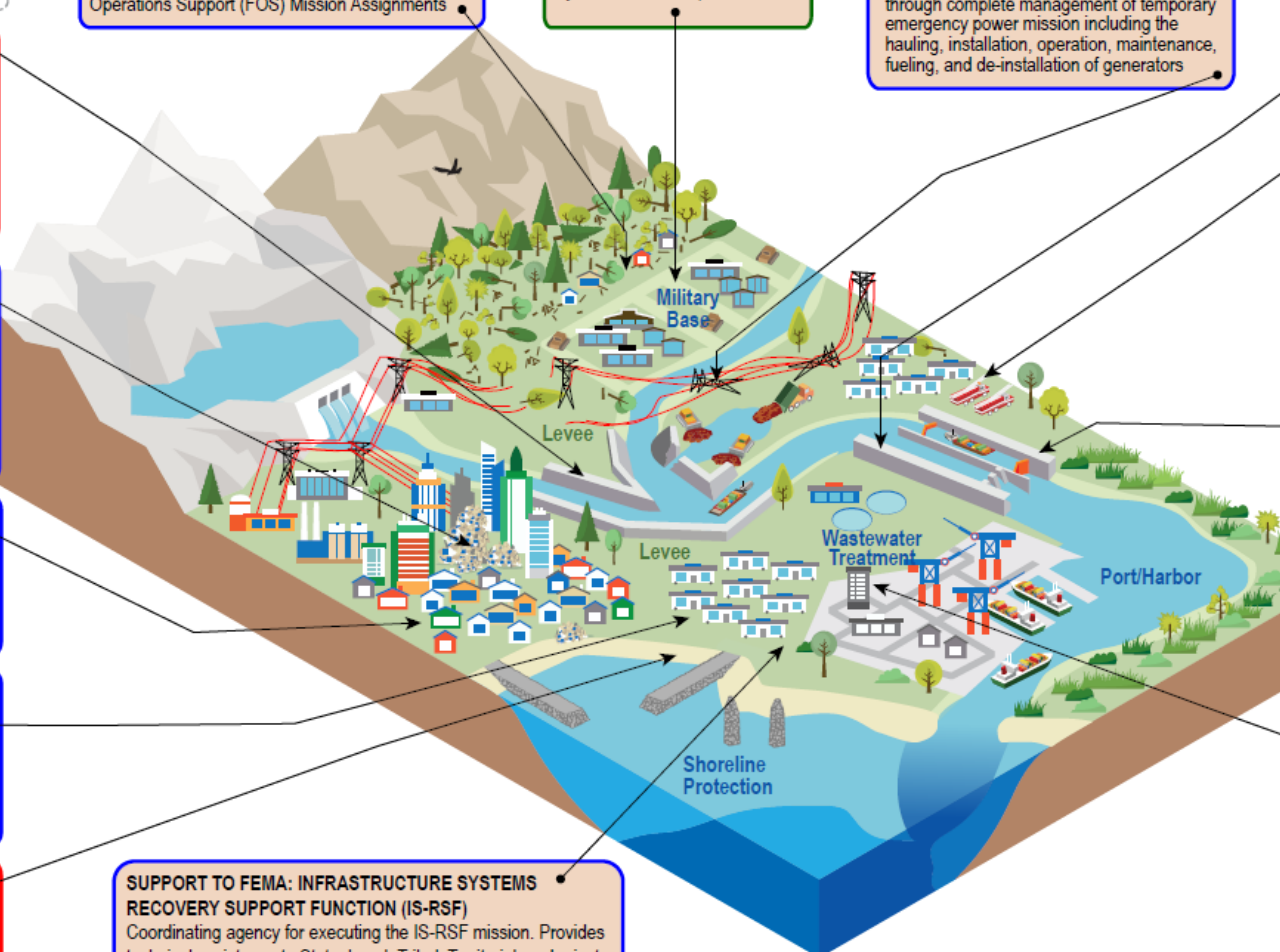
Upon request USACE may supplement State, Tribal, or Territorial flood response efforts. Technical assistance includes advice on flood fighting methods and techniques, inundation mapping, flood modeling, and historical data. Direct assistance includes the provision of sandbags, pumps, and other types of flood fight materials, and emergency contracting for raising and stabilizing threatened flood risk management projects.

SUPPORT TO FEMA: INFRASTRUCTURE ASSESSMENT

Augment local public works Applied Technology Council-20 (ATC-20) post-earthquake (or ATC-45 post-flood) rapid structural assessment capabilities (primarily residential) following a disaster; and/or to provide a management cell for the full range of technical assistance missions that are not covered by other PRTs

SUPPORT TO FEMA: INFRASTRUCTURE SYSTEMS RECOVERY SUPPORT FUNCTION (IS-RSF)

Coordinating agency for executing the IS-RSF mission. Provides technical assistance to State, Local, Tribal, Territorial, and private sector efforts to restore damage/destroyed infrastructure systems (energy, water/wastewater, transportation, and communications) by working towards strengthening system resiliency.

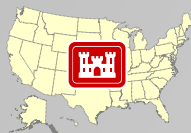


Possible USACE Mission Sets





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USACE Emergency/Disaster/Contingency “Support to Others”

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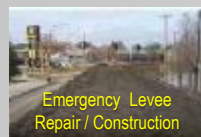


Public Law 84-99

Flood Control Act of 1941

During emergencies, USACE **SUPPLEMENTS** when States / Locals exceed capacity; USACE is **NOT IN-CHARGE**.

Disaster Preparation, Emergency Operations, Rehabilitation, Water Assistance, Advance Measures, Hazard Mitigation



Civil Works Authorities

Reservoir Operations
Dam / Lock Operations
CW Authorizations / Appropriations



FEMA



Stafford Act

National Response Framework (NRF)

Disaster Preparation

Coordinating Agency ESF #3

Public Works and Engineering

Primary Agency ESF #3

Support Agency ESF #6, ESF #9, ESF #14

- 5 Permanent / 60 Credentialed ESF3 members
- 35+ Pre-Scripted Mission Assignments (PSMAs)
- 29 Planning and Response Teams (PRT)
- Advance Contracting Initiatives (ACI)
- Subject Matter Experts (SMEs)
- 19 Deployable Tactical Operations Systems (DTOS)

National Disaster Recovery Framework (NDRF)



Temporary
Power



Debris
Management



Temporary
Housing



Critical Public
Facilities



Temporary Roofing
“Blue Roofs”

Response “Short-Term” Recovery



Domestic Support to NORTHCOM / ARNORTH

DODD 3025.18 – Defense Support of Civil Authorities (DSCA)

Overseas Contingency Operations

Iraq / Afghanistan + CIV – MIL Engagement

Field Force Engineering

Support to Military Contingency Operations

LNOs to GCCs / ASCCs / OFAs

Forward Engineer Support Teams (FEST)

FEST-Advance (FEST-A) = 8 PAX (2 MIL / 6 CIV)

Contingency Real Estate Support Teams (CREST) = 4 PAX

Environmental Support Teams (ENVST) = 4 PAX

USACE Reach-back / Tele-Engineering

11 Basecamp Development Teams (BDT)

USACE Reach-back Operations Center (UROC)

71 st NAD NAB	553 rd NAD NAN	34 th NWD NWS	62 nd POD POA	565 th SAD SAM	542 nd SAD SAS	273 rd SWD SWF	59 th SWD SWT
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394 th RC (+) 416 th TEC	457 th RC (+) 416 th TEC	377 th RC (+) 416 th TEC	452 nd RC (+) 416 th TEC
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WHAT HAVE WE ACCOMPLISHED?

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USACE Disaster Operations JAN 2010 – DEC 2019

For the 5 Year Period Between JAN 2010 – DEC 2014:

- Average Disaster Events Per Year = 20 events
- Total Personnel (at Event Peak) = 5,330 personnel

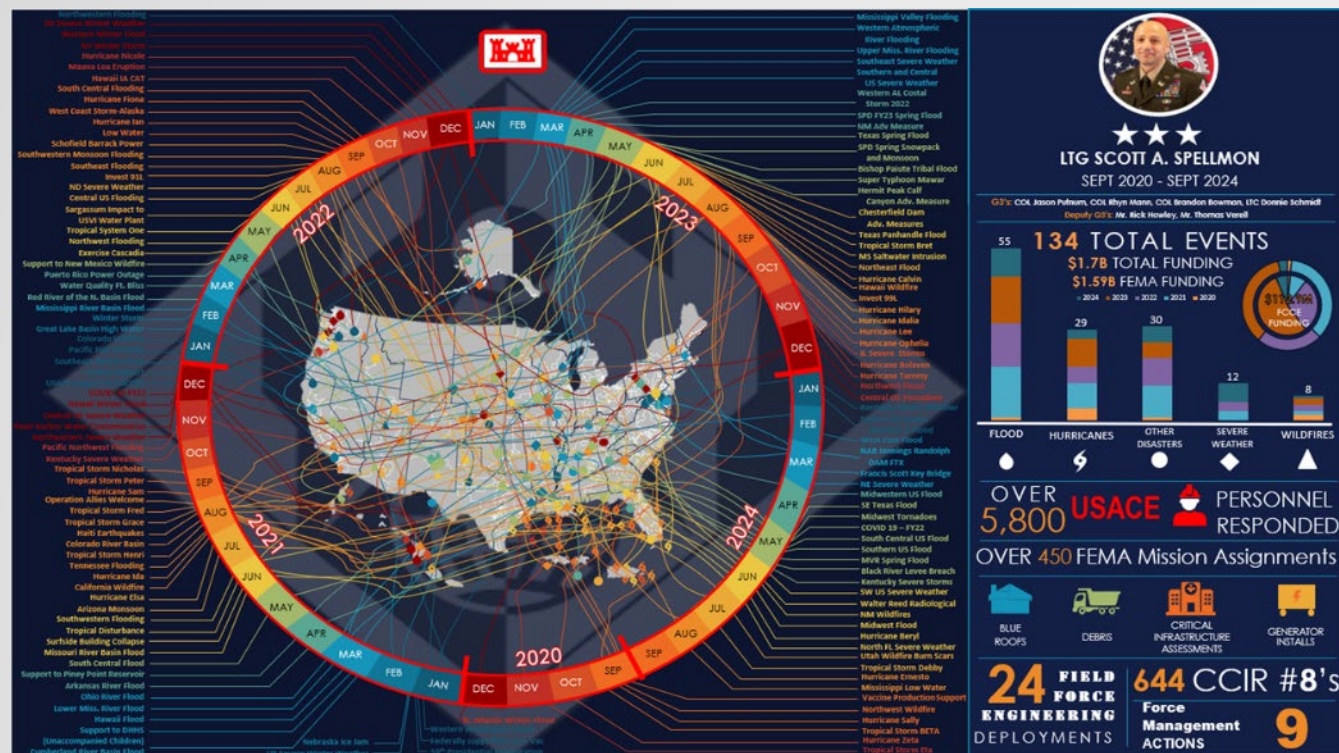
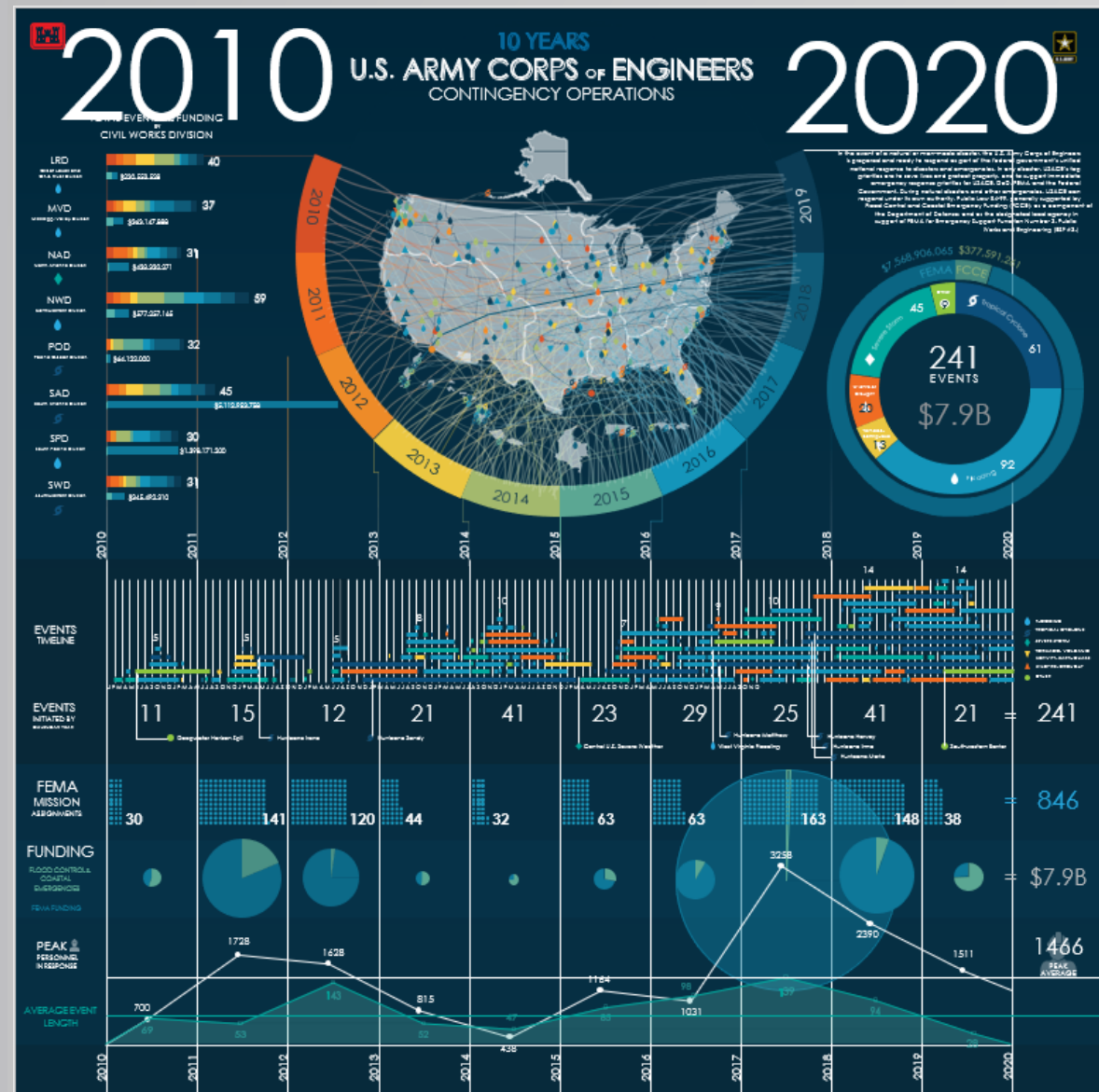
For the 5 Year Period Between JAN 2015 – DEC 2019:

- Average Disaster Events Per Year = 28 events
- Total Personnel (at Event Peak) = 9,395 personnel* (* Harvey, Irma, Maria)

For the 4.67 Year Period Between JAN 2020 – AUG 2024:

- Average Disaster Events Per Year = 31 events
- Total Personnel (at Event Peak) = 9,355 personnel** (** Coronavirus)

USACE Disaster Operations SEP 2020- AUG 2024





KEY BRIDGE RESPONSE 2024

March 26, 2024 - June 10, 2024



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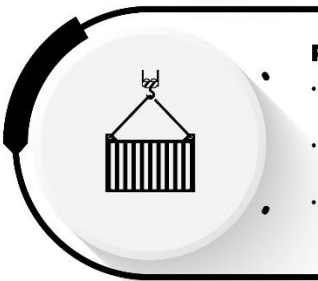


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PRIORITIES

CLEAR FEDERAL CHANNEL

- Establish limited access channel
- Establish wreckage consolidation point
- Position cranes to remove bridge span from M/V DALI
- Clear wreckage from M/V DALI
- Remove wreckage from Federal Channel

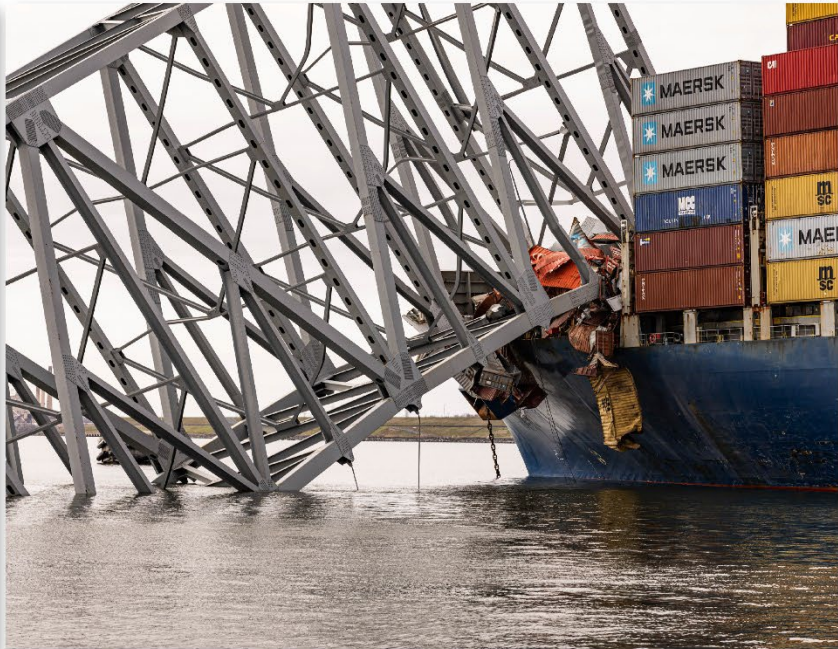


REFLOAT & REMOVE M/V DALI

- Assess cargo and remove containers as necessary
- Stage assets for repositioning of M/V DALI
- Refloat and move M/V DALI from hard grounding

CLEAR REMAINING WRECKAGE

- Systematically clear wreckage from outside of the Federal Channel
- Facilitated under the direction of Maryland Department of Emergency Services



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LESSONS LEARNED

- Establish Clear Communication Protocols
- Implement a Unified Command Structure
- Prioritize and Sequence Tasks Effectively
- Conduct Regular Situational Assessments
- Foster Strong Relationships with Industry Partners
- Leverage Technology and Data Sharing
- Develop Flexible and Scalable Plans
- Ensure Resource Availability and Management
- Document and Review Post-Operation



INDUSTRY PARTNERS



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WHAT IS THE COMMON THREAD?

USACE CIVILIAN WORK FORCE

THE INSTITUTIONAL KNOWLEDGE...THE HEART & SOUL...THE BACKBONE OF THE CORPS!

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Our **CIVILIANS** are:

EXPERTS

Engineers

Architects

Construction

Scientists

Technicians

Project Managers

People Managers

Contracting & Finance

Real Estate





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Thank you for your attention!



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