Update on USACE Dam and Levee Safety Programs

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Outline

- Portfolio
- Dam and Levee Safety Programs
- Organization
- National Infrastructure Centers
  - Risk Management Center
  - Modeling, Mapping, and Consequence Center
  - Dam Safety Modification Mandatory Center of Expertise
- Points of Contact
USACE Dam and Levee Portfolio

- 707 Dams
- 2,500 Levee Systems

Infrastructure follows Floods, People Follow Infrastructure
USACE Dam Safety Program

- The Dam Safety Investment Plan - a summary of estimated remediation costs and schedules for:
  - ~300 unsafe and potentially unsafe USACE dams (DSAC 1, 2, and 3)
  - Estimate FY58 build out of known modifications at current funding stream
USACE Levee Safety Program

Implementing the Risk Framework

Answer the Basic Questions:
- Inventory
- Periodic Inspections

Tell the Story:
- Risk Assessments
- Communication

Build Shared Solutions:
- Advise
- Plan Path Forward

Initiated 2006 - 2009
Initiated in 2010
Planned for 2014-2015
Risk Management Center (RMC)

- Lead infrastructure risk management
- Support risk-informed decision-making for district commanders and Dam and Levee Safety Officers
- Support HQ prioritization and planning for risk reduction studies and activities
- Provide training
- Develop policy and tools
- QA/QC for safety and risk products
- Technical review of safety program products
- Manage reviews for Dam and Levee Safety
- Maintain sufficient A-E contracts necessary for program execution
Modeling, Mapping, and Consequence Center (MMCC)

- National center charged with producing hydraulic models, inundation maps, consequence estimations, and detailed assessment reports

- Support USACE risk assessment activities and development of national policy
  - Dam and Levee Safety programs, and
  - Critical Infrastructure Protection and Resilience program

- Coordinate technology development and enhance USACE technical competency in areas of consequences estimation and scientific and engineering analyses and mapping of dams and levees

- Maintain sufficient A-E contracts necessary for program execution
Dam Safety Modification Mandatory Center of Expertise (DSMMCX)

- Located in Huntington District
- National center of expertise – provides technical advice, oversight, review, and production capability for concepts, planning, design, and construction of USACE dam modification projects
- Responsible for promoting and developing technical competencies for execution of dam safety modifications
- Works in collaboration with the 7 Regional Dam Safety Production Centers (DSPCs) for mission execution and improving effectiveness and efficiency in delivery of products/services
- Mississippi Valley Division (MVD) DSPC is levee focused
- Maintain sufficient A-E contracts to ensure availability of specialized skills
Center POCs

- **Risk Management Center (RMC)**
  - Director – Nate Snorteland, Nathan.Snorteland@usace.army.mil

- **Modeling Mapping Consequence Center (MMCC)**
  - Director, Ron Goldman, Ron.C.Goldman@usace.army.mil

- **Dam Safety Production Centers (DSPCs)**
  - LRD @ Huntington, WV (MCX and DSPC) – Director, Pat Morgan, Steven.P.Morgan@usace.army.mil
  - SWD @ Tulsa, OK – Wade Anderson, Daniel.W.Anderson@usace.army.mil
  - SPD @ Sacramento, CA – Rick Poeppelman, Rick.L.Poeppelman@usace.army.mil
  - MVD @ Vicksburg, MS – Noah Vroman, Noah.D.Vroman@usace.army.mil
  - NAD @ Concord, MA – Daniel Rodriguez, Daniel.J.Rodriguez@usace.army.mil
  - SAD @ Mobile, AL – Chris Smith, Christopher.T.Smith@usace.army.mil
  - NWD/POD/TAD @ Omaha, NE – John Bertino, Jr., John.J.Bertino@usace.army.mil
Contract Needs

• Federal Business Opportunities at https://www.fbo.gov

• Center POCs
The End