UPDATE ON THE U.S. ARMY CORPS OF ENGINEERS FLOOD STUDIES

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Deliver enduring and essential water resource solutions using effective transformation strategies.

**Navigation**

**Flood Risk Management**

**Ecosystem Restoration and Infrastructure**

**Recreation and Natural Resource Management**

**Hydropower**

**Regulatory**

**Water Supply**

**Expenses**

Includes ASA(CW)
UPDATES OVER THE PAST YEAR

- Norfolk Flood Risk Management Study: Signed Chief’s Report
- Now have a Coastal Virginia Resilience Study Authority: WRDA 2018
- Now have a Tangier Island Resilience Study Authority: WRDA 2018
- Continue to pursue other flood risk studies within the Commonwealth
- Potential for funding through the FY19 Supplemental Appropriations
HOW TO ACCESS USACE CONSTRUCTION FUNDING

- Must have:
  - Authorization (Study, then Construction)
  - Appropriations (Study, then Construction)

- Conduct studies, which:
  - Identify a Federal Interest in investment
  - Inform the Report of the Chief of Engineers to Congress

- Favorable Reports result in Construction Authorization from Congress

- Construction authorizations most often in Water Resource Development Acts (WRDA)

- WRDA 2018 anticipated later this year
USACE CIVIL WORKS PROCESS
17 Steps to a Civil Works Project

CW Step 1: Problem Identification

CW Step 2: Congressional Study Resolution / Authority

CW Step 3: Execute FCSA and Feasibility Funds

CW Step 4: Conduct Feasibility Study

CW Step 5: Complete Final Report for Coordination & Submission

CW Step 6: Division Engineer’s Transmittal


CW Step 8: Chief of Engineer’s Report (Chief’s Report)

CW Step 9: Administration Review
- Assistant Secretary of the Army for Civil Works [ASA(CW)]
- Office of Management and Budget (OMB)

CW Step 10: Project Authorization (WRDA Bill or other legislation)

CW Step 11 District Executes Design Agreement

CW Step 12: District conducts Preconstruction Engineering and Design activities

CW Step 13: District drafts Project Partnership Agreement (PPA)

CW Step 14: Congress appropriates Construction Funds

CW Step 15: Execute PPA

CW Step 16: Project is Constructed

CW Step 17: Operation, Maintenance, Repair, Replacement, and Rehabilitation (OMRR&R)

- Feasibility
- PED
- Construction
- Work by others
USACE STUDIES

- Focused Portfolio of Priority Feasibility Studies
- All Feasibility Studies expected to follow 3-3-3 Rule
  - 3 Year study duration
  - $3 Million maximum per study cost
  - Vertical team integration at 3 command levels (District, Division, HQUSACE)
  - Exemption process for very large, complex studies that cannot meet the 3-year and/or $3 million policy
- Feasibility Cost Sharing Agreement (FCSA) is first step
- Goal of Study: USACE Recommendation based on Benefit Cost Ratio (BCR)
NORFOLK COASTAL STORM RISK MANAGEMENT STUDY
GLOBAL SECURITY HUB
- Home to Naval Station Norfolk (World’s Largest Naval Station)
- NATO’s North American Headquarters
- 12.4 miles of waterfront
- 6,200 acres with special areas
- 46,000 military assigned on ships and ashore
- 21,000 civilian government employees and contractors

INTERNATIONAL TRADING NEXUS
- Port of Virginia supplies the eastern third of the nation

NORFOLK IS A GLOBAL LEADER IN URBAN RESILIENCE
- One of the first Rockefeller Foundation Resilient Cities
  - 3rd City to Launch a citywide resilience strategy—Oct. 2015
- Adopted Citywide Green Infrastructure Master Plan
- Adopted Zoning Code to support Resilience
- Retain Your Rain program to incentivize private property stormwater retention

POC Niklas Hallberg 757-201-7728
PROJECT IMPLEMENTATION: CONSTRUCTION SEQUENCING

1. Downtown Area
2. Pretty Lake Area
3. Lafayette River Area
4. Broad Creek Area
5. Campostella/Berkley Area
STATUS OF NORFOLK CSRM

- Signed Chief’s Report in Feb 2019
- Chief’s Report to Congress (2019) (Requires Clearance from Administration)
- Construction Authorization (Future WRDA)
- Construction New Start Appropriations
- Preconstruction Engineering and Design
- Construction
MULTI-JURISDICTIONAL RESILIENCY STRATEGY

- Norfolk Flood Risk Management Study: moving into Preconstruction, Engineer and Design
- Now have a Coastal Virginia Resilience Study Authority – WRDA 2018
- Proposed Virginia Peninsula Coastal Storm Risk Management Study
- Proposed Virginia Beach Regional Study
- Proposed Chincoteague Study
- Subsequent studies in Coastal Virginia: proposed prioritization based on damages avoided to critical infrastructure
- Requires close alignment with Commonwealth to study resiliency alternatives
HOW CAN THE COMMONWEALTH HELP?

1. Assist with Cost Sharing Challenges
   - Scope beyond political jurisdictions of individual localities, Commonwealth could serve as Sponsor
   - Some localities may not have financial capability, but have a need

2. Provide Guidance/Vision on State-Level Priorities to Address Recurrent Flooding

3. Continue to work with USACE on ways to allow localities to provide real estate interest in state bottom for USACE projects
QUESTIONS?