MIAMI HARBOR, FLORIDA
NAVIGATION IMPROVEMENT STUDY
STATUS WEBINAR

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April 26, 2019
AGENDA

- Introductions
- Meeting Purpose:
  To provide an update on study progress.
- Study Updates
- Closing

STUDY EMAIL:
CESAJ-MiamiHarbor@usace.army.mil

STUDY WEBPAGE:
https://www.saj.usace.army.mil/MiamiHarborNavigationImprovementStudy/

FACA: Federal Advisory Committee Act
STUDY AUTHORITY & SPONSOR

**Authority:** Section 216 of the Flood Control Act of 1970 (33 USC 426 et seq) as amended

**Sponsor:** PortMiami, Miami-Dade County
FEDERAL INTEREST – WHY A NEW STUDY?

- Existing navigation restrictions contribute to delays and transportation cost inefficiencies
- Current channel depths and widths restrict vessels transiting Miami Harbor
- Miami Harbor contributes to National Economic Development:
  - ~5.1 million cruise passengers annually
  - ~8 million tons of cargo annually
  - One of the top 3 Container Ports in Florida
STUDY OBJECTIVES

- Reduce navigation transportation costs to and from Miami Harbor to the extent possible over the 50-year period of analysis, starting in 2025.
- Reduce navigation transportation costs within Miami Harbor over the 50-year period of analysis, starting in 2025.
- Develop an alternative that minimizes impacts to environmental resources, while providing safe, reliable, and efficient navigation for Miami Harbor over the 50-year period of analysis, starting in 2025.
STUDY SCHEDULE

1. SCOPING
   ALTERNATIVES
   MILESTONE
   Vertical Team concurrence on Array of Alternatives
   12/10/18

2. ALTERNATIVE FORMULATION & ANALYSIS
   TENTATIVELY SELECTED PLAN (TSP)
   MILESTONE
   Vertical Team concurrence on TSP
   JAN 2020

3. FEASIBILITY-LEVEL ANALYSIS
   AGENCY DECISION MILESTONE
   Agency Endorses Recommended Plan
   OCT 2020

4. CHIEF'S REPORT
   SENIOR LEADER PANEL
   Release for State & Agency Review
   SPRING 2021

5. CHIEF'S REPORT
   9/3/2021

- Ship Simulation – The Biscayne Bay Pilots will transit vessels into PortMiami under an array of conditions and channel configurations
- Environmental Impacts Analysis
  - Cultural Resource Surveys
  - Endangered Species Act Surveys, Essential Fish Habitat Surveys
  - Mitigation and Monitoring Plan Development
- Economic Evaluation - Future without Project, Future with Project; Compare
- Conceptual Channel Designs & Cost Estimates compared to Economic benefits
ENGINEERING TASKS

- Geotechnical Analysis/Surveys – Additional Vibracores to be taken, locations TBD
- Dredge Quantities Evaluation – has not begun, remains TBD
- Storm Surge Modeling – Identifying model, has not begun
- Salinity Modeling – Identifying model, has not begun
- Ship simulation – In-Field ADCP (Acoustic Doppler Current Profiler) model calibration underway (water level and water current data collection completed); ship simulations to start Summer 2019

More Info on Ship Simulation:
https://www.erdc.usace.army.mil/Media/Fact-Sheets/Fact-Sheet-Article-View/Article/476712/erdc-shiptow-simulator/
ECONOMICS ANALYSIS TASKS

- HarborSym Existing Conditions Model – Underway
- HarborSym Future without-Project (FWOP) Conditions Model – has not begun
- HarborSym Future with-Project (FWP) Conditions Model – has not begun
- Economics Evaluation (Benefits vs. Costs) – Development of Net Benefits for Array of Alternatives; Benefits not yet determined; Costs not yet generated
ENVIRONMENTAL ANALYSIS TASKS

- Cultural Resource Surveys – has not begun
- Benthic/Hardbottom Surveys – Coordination with NMFS ongoing to develop the survey protocol – surveys scheduled to commence Summer 2019
- Environmental Impacts Analysis – Ongoing; researching additional articles, data, info related to benthic resource conditions, recreational value of reef resources, construction minimization measures, potential mitigation options for coral relocation, artificial reef construction, etc.
- Stakeholder Coordination (Sponsor, Agencies, Public, etc.) – Ongoing; Have a comment? Send it to: CESAJ-MiamiHarbor@usace.army.mil
MORE INFO

- We will post this presentation on our webpage: https://www.saj.usace.army.mil/MiamiHarborNavigationImprovementStudy/

- If you would like to submit a comment, please send to: CESAJ-MiamiHarbor@usace.army.mil

- We plan to continue these status update calls, stay tuned to our webpage, news releases, and social media.
  - Facebook: https://www.facebook.com/JacksonvilleDistrict/
  - Twitter: @jaxstrong
  - Our next webinar is scheduled for July 2019

- THANK YOU!
PLEASE SUBMIT ALL PUBLIC COMMENTS TO:
CESAJ-MiamiHarbor@usace.army.mil