



# WESTERN DREDGING ASSOCIATION EASTERN CHAPTER MEETING OCT 17, 2018

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Washington, D.C.  
17 October 2018





# USACE: STAYING WORLD CLASS NOW AND INTO THE FUTURE

## ACHIEVE OUR VISION

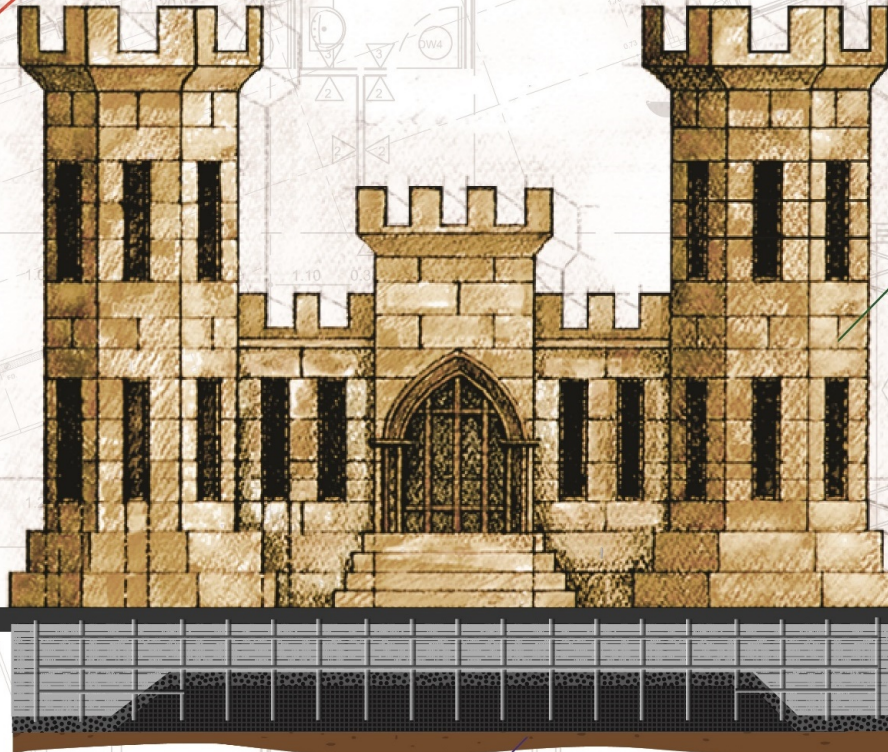
Anticipate future conditions; take actions today to always be ready come what may.

## USACE VISION

Engineering Solutions for the Nation's Toughest Challenges



US Army Corps of Engineers®



## DELIVER THE PROGRAM

Our credibility is based on our ability to achieve desired results on time and on budget.

## USACE MISSION

Deliver vital engineering solutions, in collaboration with our partners, to secure our Nation, energize our economy, and reduce risk from disaster.

## STRENGTHEN THE FOUNDATION

Doing routine tasks to a high standard enables everything else.  
A strong foundation empowers leaders to think strategically.

## MISSION AREAS

- Military Programs
- Civil Works
- Geospatial Support
- Contingency Operations
- Research and Development

We aspire to remain a WORLD-CLASS organization, now and into the future, by setting the professional standard and stepping-up as a reliable Federal option. Perhaps the MOST STRATEGIC thing we can do is to simply DELIVER OUR PROGRAM...with exceptional quality, on time, and on budget.





# USACE Navigation Mission

Provide safe, reliable, efficient, effective and environmentally sustainable waterborne transportation systems for movement of national security needs, commerce, and recreation.

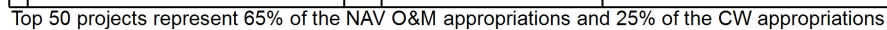




# USACE Navigation System

- U.S. Marine Transportation Industry Supports  
~ **\$2 Trillion** in Commerce Annually
- **More than 48%** of Consumer Goods Bought by Americans Pass Through Harbors Maintained by Corps.
- Over **1.3 Billion Short Tons** of Foreign Goods Moved Through U.S. Ports/Waterways in 2015
- Over **900 Million Short Tons** of Domestic Goods Moved Thru U.S. Ports/Waterways in 2015
- **15%** of U.S. Domestic Freight Carried by Water
- **239** Lock Chambers at **193** sites
- **13,000** Miles of Coastal and Deep Draft Channels
- **12,000** Miles of Commercial Inland and Intracoastal Waterways
- **1,067** Coastal, Great Lakes and Inland Harbors
- **40** States are directly served by USACE Channels & Waterways





## FY18 Appropriation = \$1.56B for Top 50 Navigation Projects



# CONSTRUCTION PROJECTS IN FY18 APPROPRIATIONS

(\$10 M or More)





# CONSTRUCTION IN FY19 BUDGET



*\$10 M or more. Actual funding for these and other projects to be determined in FY19 appropriation*





# FY 19 Appropriation for Navigation (\$millions)

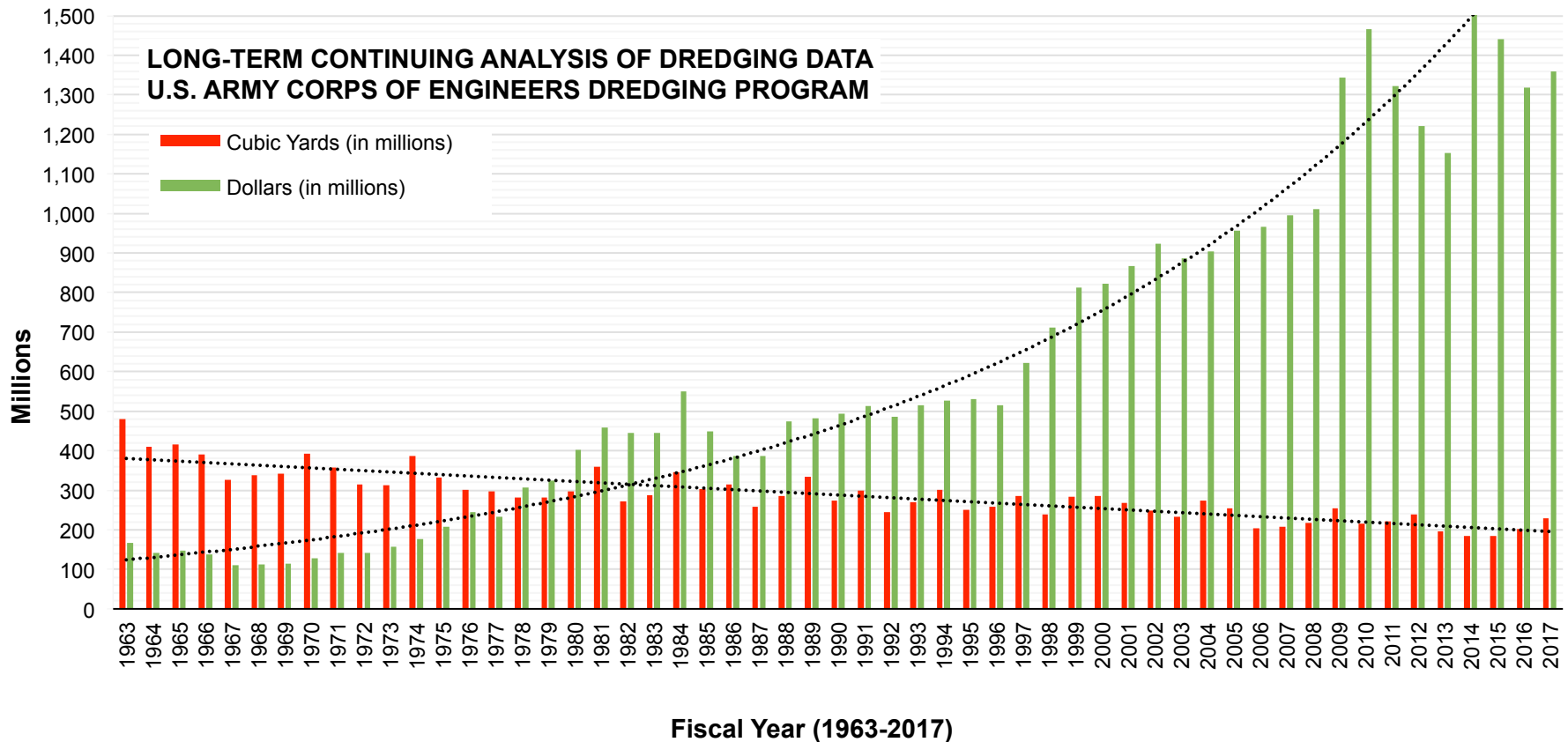


Description	Funding Increase
Navigation O&M:	
General	\$ 24
Deep Draft Harbors & Channels	\$ 475
Inland Waterways	\$ 40
Small Remote & Subsistence	\$ 54
Donor & Energy Transfer Ports	\$ 50
Other Authorized Purposes*	\$ 50
Navigation Investigations	\$ 25
Navigation Construction	\$ 509
From IWTF	\$ 111
Navigation MR&T:	
Dredging	\$ 5
Other Authorized Purposes*	\$ 40
Total Navigation Increases in 2019 Omnibus Act	\$1,292

\*Funding will be split between multiple Business Lines



# CHALLENGES TO NAVIGATION DREDGING



Growing dredging requirements and increasing cost present strategic risk



# USACE DREDGING

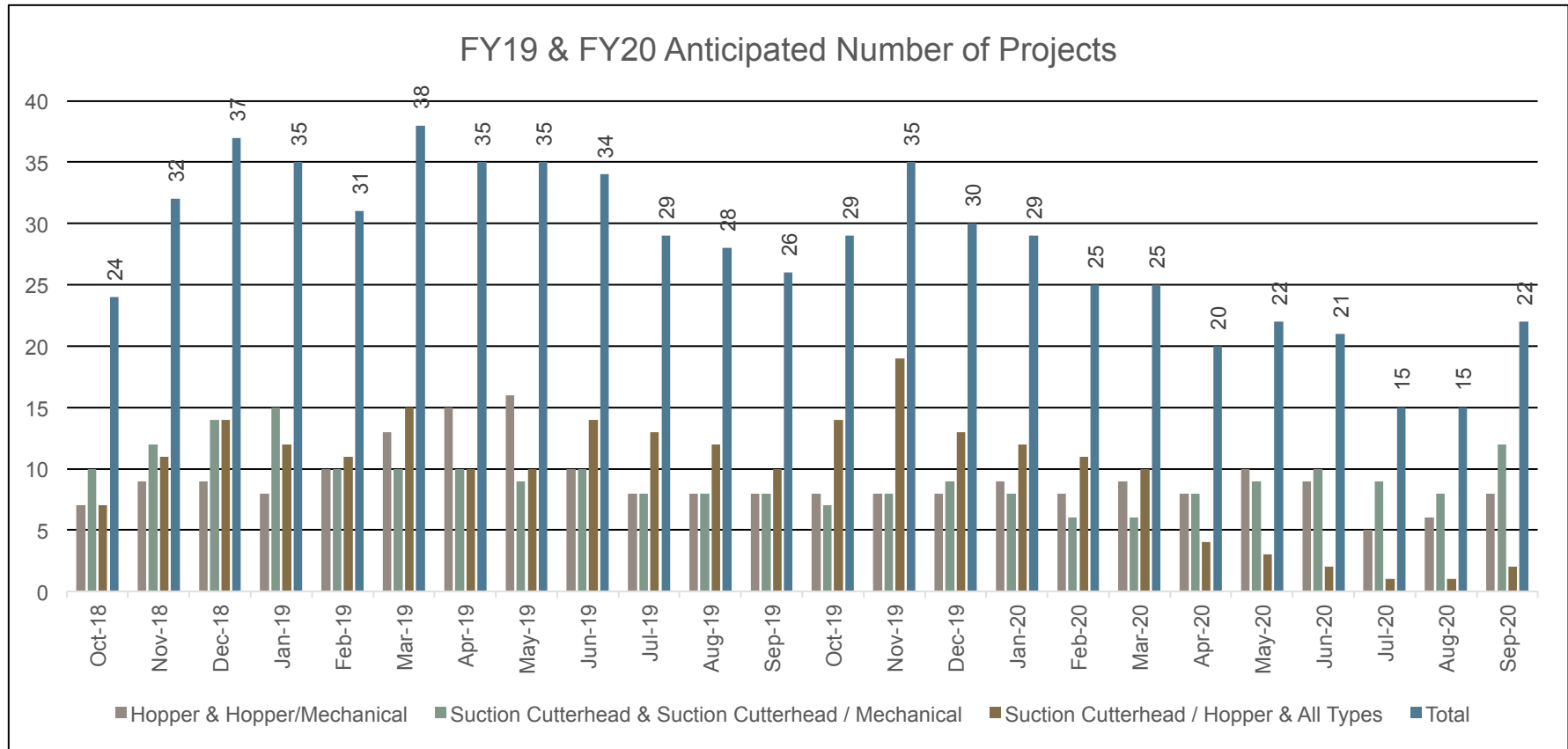
- Focus is delivering the enterprise navigation dredging mission.
- Enterprise dredging program coordination is necessary and critical.
- USACE must be world class leaders in dredging: technical expertise, contracting, program execution, implementation of new technology.
- Safety is a mission and we will lead and partner to sustain and improve.

# ESTABLISHING ENTERPRISE DREDGING PRINCIPLES OF DELIVERY

- Regional and Enterprise Coordination
- Acquisition Tools and Approaches
- Enterprise Schedule Coordination
- Communication and Transparency
- Contingency Planning



# 5-YEAR DREDGING SCHEDULE



- Initial schedule compiled and shared in July / August 2018
- This will allow each District to make fully informed decisions when scheduling required work.

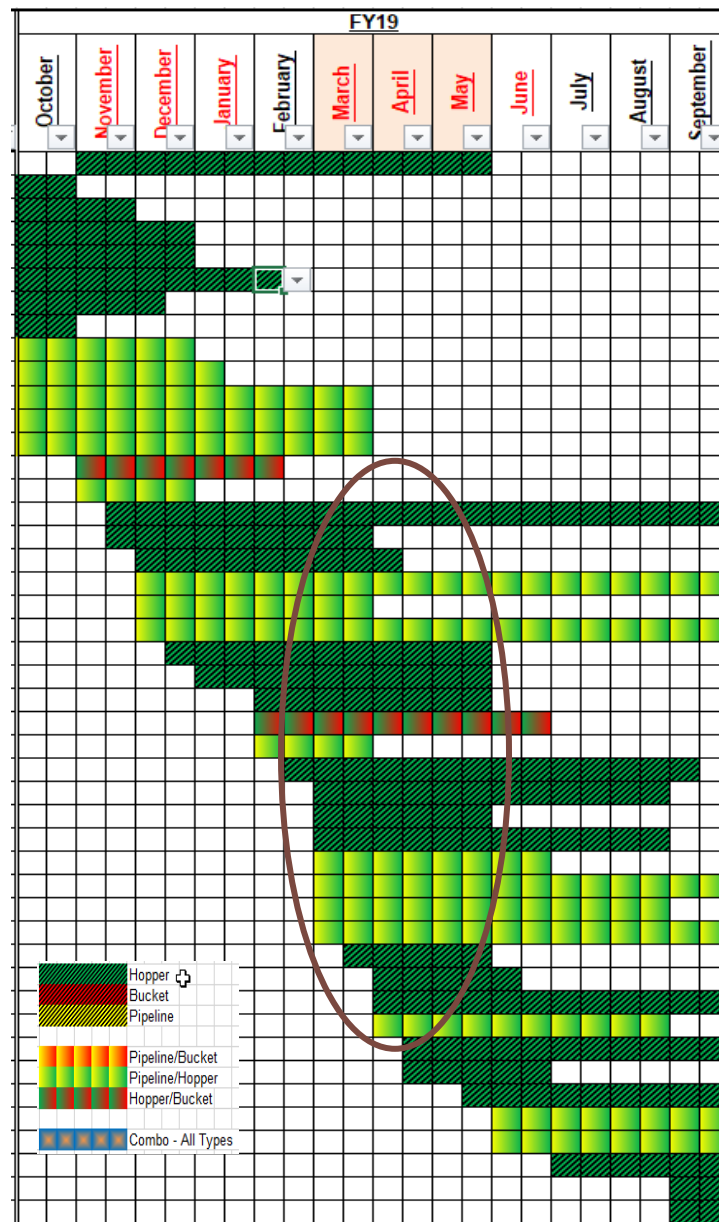




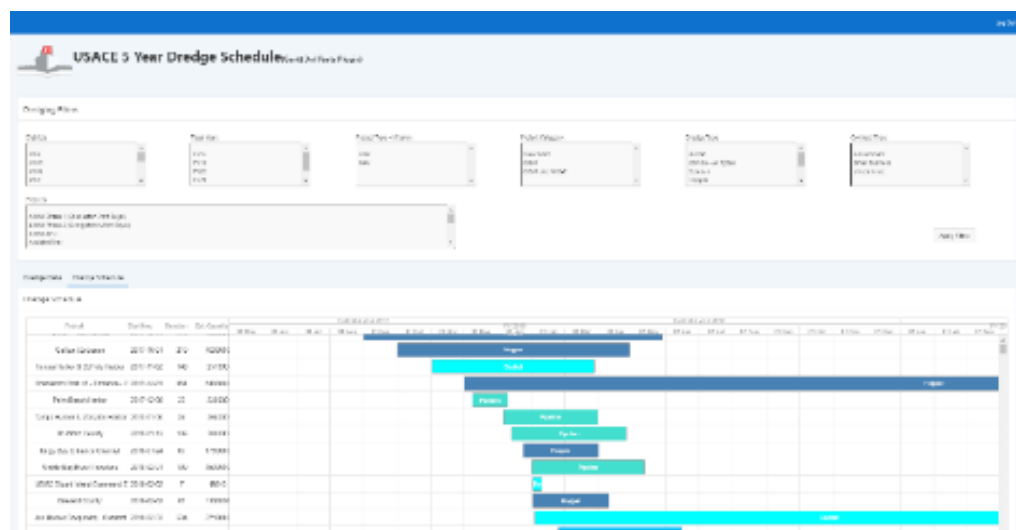
# DREDGE SCHEDULE CONFLICT - EXAMPLE



- Projected schedule reflects all FY19 Planned work (hopper, large pipeline)
- Several periods where requirement exceeds capacity. The increased workload FY18 Supplemental Bill necessitated looking at the planned workload for all districts to ensure that we're scheduling work effectively and achievably.
- Pursuing approaches to minimize challenge to maintenance, construction.
- Changes are being implemented to the Dredging Information System to incorporate the five year plan, as well as providing useful visualizations of the information.



- USACE's National Database for All Dredging Information. Platform to provide information on current and upcoming work to industry partners
- Accessible to Public
- Governed by EP 1130-2-520, Navigation and Dredging Operations and Maintenance Guidance and Procedures
- New product delivery team (PDT) formed (Kick-off September 2018)

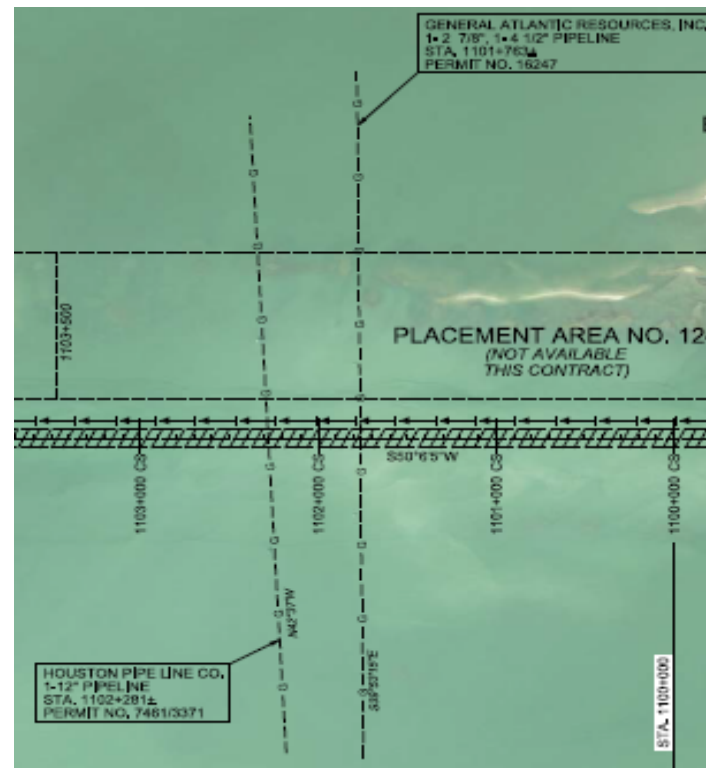




# PIPELINE OBSERVATION & VERIFICATION ENTERPRISE REPOSITORY (PLOVER)



- Database designed to allow navigation managers to access recent regulatory permits related to utility crossings in federal channels
- Currently in use in New Orleans and Mobile Districts
- Project delivery team (PDT) working on guidelines and processes for enterprise wide implementation
- Limitations: unknown integrity of information provided by others, no process in place to include existing utility crossings, for internal USACE use only when developing plans and specifications
- Other publicly available sources of information include: #811/One-Call, Pipeline and Hazardous Materials Safety Administration (PHMSA), National Ocean Service / NOAA Nautical Charts, USCG Navigation Center for local Notices to Mariners, etc.



Approximate Station	Permit No.	Description	Owner
1101+763	16247	One 2 and 7/8-inch pipeline One 4 and 1/2-inch pipeline	General Atlantic Resources, Inc.
1102+281	7461/3371	One 12-inch pipeline	Houston Pipe Line Co.
1108+419	16715	One 24-inch pipeline	Northern Natural Gas Co.



# Questions

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