

# MISSISSIPPI MANAGERS MEETING 2022

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We aim to be a  
**District that  
Delivers**

Winning in USACE is:  
*Finishing quality  
projects on time  
and within  
budget...safely!*

**MISSION**  
committed to successfully  
deliver our program

**VALUE**  
passionate about using our  
expertise to serve others

**PEOPLE**  
dedicated to our inspired  
and professional workforce



US Army Corps  
of Engineers®



**BUILDING STRONG®**



# NATIONAL HEADLINES



## Infrastructure Investment and Jobs Act (IIJA)

## Disaster Relief Supplemental Appropriations Act (DRSAA)

### \$17.1B for USACE

### \$5.7B for USACE

- Construction - \$11.615 billion
- Operation & Maintenance - \$4.0 billion
- Mississippi River and Tributaries - \$808 million
- Flood Control and Coastal Emergencies - \$251 million
- Regulatory - \$160 million
- Investigations - \$150 million
- WIFIA - \$75 million
- Expenses - \$40 million

Navigation and Ecosystem Sustainability Program (NESP)

- LD25 1200' Lock: \$732M
- Lock 22 Fish Passage: \$97M

- Construction - \$3 billion
- Operation & Maintenance - \$887 million
- Mississippi River and Tributaries - \$868 million
- Flood Control and Coastal Emergencies - \$826 million
- Investigations - \$100 million
- Expenses - \$30 million

The IIJA Construction work plan includes approximately \$3.936 billion to address commercial navigation improvements at coastal ports and on the inland waterways that are so critical to the nation's economy.

Mississippi River and Tributaries funding will be used to address emergency situations at USACE projects, construct projects, and rehabilitate and repair damages to projects caused by natural disasters.

# Resilient Navigation

## *2020-2030 Strategic Priorities*

The 9-foot Navigation Project is approaching 100-years in service; we are setting our sights on preparing for the next century of relevant and reliable operation to support our nation's competitive advantage.

**Resilient Navigation**

People

Infrastructure

Channel Maintenance

Technology

Partnerships





# RESILIENT NAVIGATION: PEOPLE



Outstanding Leadership in Advancing the District S










# RESILIENT NAVIGATION: *INFRASTRUCTURE*







# RESILIENT NAVIGATION: *CHANNEL MAINTENANCE*







# RESILIENT NAVIGATION: *TECHNOLOGY*



**MVP Navigation Dashboard**

Locks Gages WM Pages 14 Day Forecasts (Beta) Channel Condition AIS eHydro Before/After Dredging Placement Sites Beneficial Use Groundings Charts Land Class SUAS

USACE St. Paul District Navigation Groundings

Zoom to Area None Jump to River Mile None Filter by Dates 2/4/2022

**Legend**

- USACE Vessels - AIS (UCOP service)
- Non-USACE Vessels - AIS (UCOP service)
- AIS\_vessel\_traffic\_counter
- Incident - Approximate Grounding Sites (through 2020)
- MVP Locks Dams Status
  - Open
  - Closed
- Sailing Line
- Upper Mississippi River Pools (1-10)

**Incidents - Groundings (through 2020)**

Approximate Locations

- Coop Ambassador @ River Mile 686.8 - Pool 8  
Grounding Date & Time | 11/20/2020 at 515  
Date Free & Time | 11/20/2020 at 530  
Reason | Booms Missing  
Corrective Action | Survey
- James I. Neal @ River Mile 664.2 - Pool 9  
Grounding Date & Time | 11/19/2020 at 1930  
Date Free & Time | 11/19/2020 at 2306  
Reason | Booms out of place  
Corrective Action | AIS Abotts
- Darin Adkins @ River Mile 686.8 - Pool 8  
Grounding Date & Time | 11/18/2020 at 2300  
Date Free & Time | 11/19/2020 at 200  
Reason | Shoaling  
Corrective Action | No Action
- Roger L. Knight @ River Mile 686.7 - Pool 8  
Grounding Date & Time | 11/17/2020 at 1930  
Date Free & Time | 11/17/2020 at 2000  
Reason | Shoaling

**Mississippi River - Navigation**

Gage Name	Most Recent Data (UTC)	Elevation (ft)	Flow (cfs)
Eau Galle Dam	04 Feb 2022, 16:30	940.22 Tail: 912.14	16
Lock and Dam 01	04 Feb 2022, 16:15	725.63 Tail: 687.82	NA
St. Paul (USGS 05331000)	04 Feb 2022, 17:00	696.92	---
South St. Paul	04 Feb 2022, 16:30	687.29	---
St. Croix R At Stillwater	04 Feb 2022, 16:15	675.82	---
Lock and Dam 02	04 Feb 2022, 16:15	687.10 Tail: 675.56	4800
Prescott	04 Feb 2022, 16:15	675.51	NA
Lock and Dam 03	04 Feb 2022, 16:15	675.15 Tail: 667.92	7900

## Operating at the Speed of Relevance

- Common operating picture
- Shared understanding
- Prevention
- Reaction

Observe  
Orient  
Decide  
Act





# RESILIENT NAVIGATION: *PARTNERSHIPS*







# LEADER CHALLENGE

*Have a vision and go after it!*



**Vision:** A written expression of the purpose and meaning behind an organization that's intended for employees, stakeholders, and even the public.

**Endstate:** The set of required conditions that defines achievement of objectives. Because our work is never done, we have 'mid-states.'

**Assessment:** Determination of the progress toward accomplishing a task, creating a condition or achieving an objective.

**Measure of Effectiveness:** A criterion used to assess changes in system behavior, capability or operational environment that is tied to measuring the attainment of an endstate, achievement of an objective or creation of an effect.

**Measure of Performance:** Are tasks being accomplished correctly?

**Indicator:** In the context of assessment, an item of information that provides insight into a measure of performance or effectiveness.

**What / how do we want to be?**

**What are our waypoints?**

**Are we making a difference?**

**Are we doing the right things?**

**Are we doing things the right way?**

**What precise information tells us so?**



**THANK YOU!**

