NATIONAL WATERWAYS CONFERENCE

Col. Robert A. Hilliard
Commander, Vicksburg District
What We Do
The Mississippi River & Tributaries Project
Protects People, Infrastructure, Commerce, Agriculture, and Energy

- 158 Airports
- 1.2M Residential Structures
- 4.5M People
- 4.3K Miles of Highways
- 102 Hospitals
- 1.2K Schools/Colleges
- 646 Fire Stations
- 346 Police Stations
- 22.5M Acres of Agriculture
- 53K Farms
- Commercial Navigation
- Infrastructure Supporting 4 of the Top 15 Deep-Draft Ports (including Port of LA)
- 563 Manufacturing Facilities
- >200K Jobs = $106B in Revenues
- 12 Major Oil Refineries
- 34K Gas Wells = $7.6B in Revenues
- 108 Power Plants = $6.8B in Revenues Annually
  - 45% of LA Power
  - 27% of AR Power
  - 23% of MS Power
- Tourism/Travel Industry
- 190K Jobs = $15.5B in Expenditures

Flood Damages Prevented:
- Since 1928: $1.27 Trillion
- 80 to 1 return on each $ invested

*Data sources include the latest available data from the National Levee Database for Levees and Leveled Areas and Infrastructure Data from LEMA/MSYMGOLD 2015.
• Drilled over 225 holes (mostly underwater) through the concrete structure for grouting and tremie concrete placement

• Found voids from less than a foot to as much as 12 feet deep below the structure

• Injected over 18,500 cf of grout and over 665 cy of tremie concrete into voids (equivalent of 170 truckloads of concrete and grout)

• Repaired a 2000 SF area of the lock floor using 227 CY of tremie concrete
JOHN H. OVERTON LOCK AND DAM DEWATERING

Background
• Located at mile 74.3 on the Red River
• Built in 1987
• Provides a 9-ft by 200-ft wide navigation channel extending over 230 miles.

Overton is scheduled for a 60-day closure beginning Sept 8 for inspections and minor maintenance
The Effects of Sustained High Water and Flooding

01 Completion of Columbia L&D

02 Dewatering of Overton L&D

03 Dredging

04 Construction projects for channel improvements

05 Maintenance work

06 Revetment

07 MRL work

US Army Corps of Engineers • Vicksburg District
Damage from the 2019 Flood

- Pump damage
- Erosion/sliding
- Levee surfacing
- Repair sites
- Revetment scouring
BUILDING STRONG®

and Taking Care of People!

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