

# Greater New Orleans Hurricane & Storm Damage Risk Reduction System

## Pump Station 11 and 13 & GIWW West Closure Complex

Public Meeting

Aug. 26, 2009

English Turn Clubhouse



US Army Corps of Engineers  
**BUILDING STRONG**



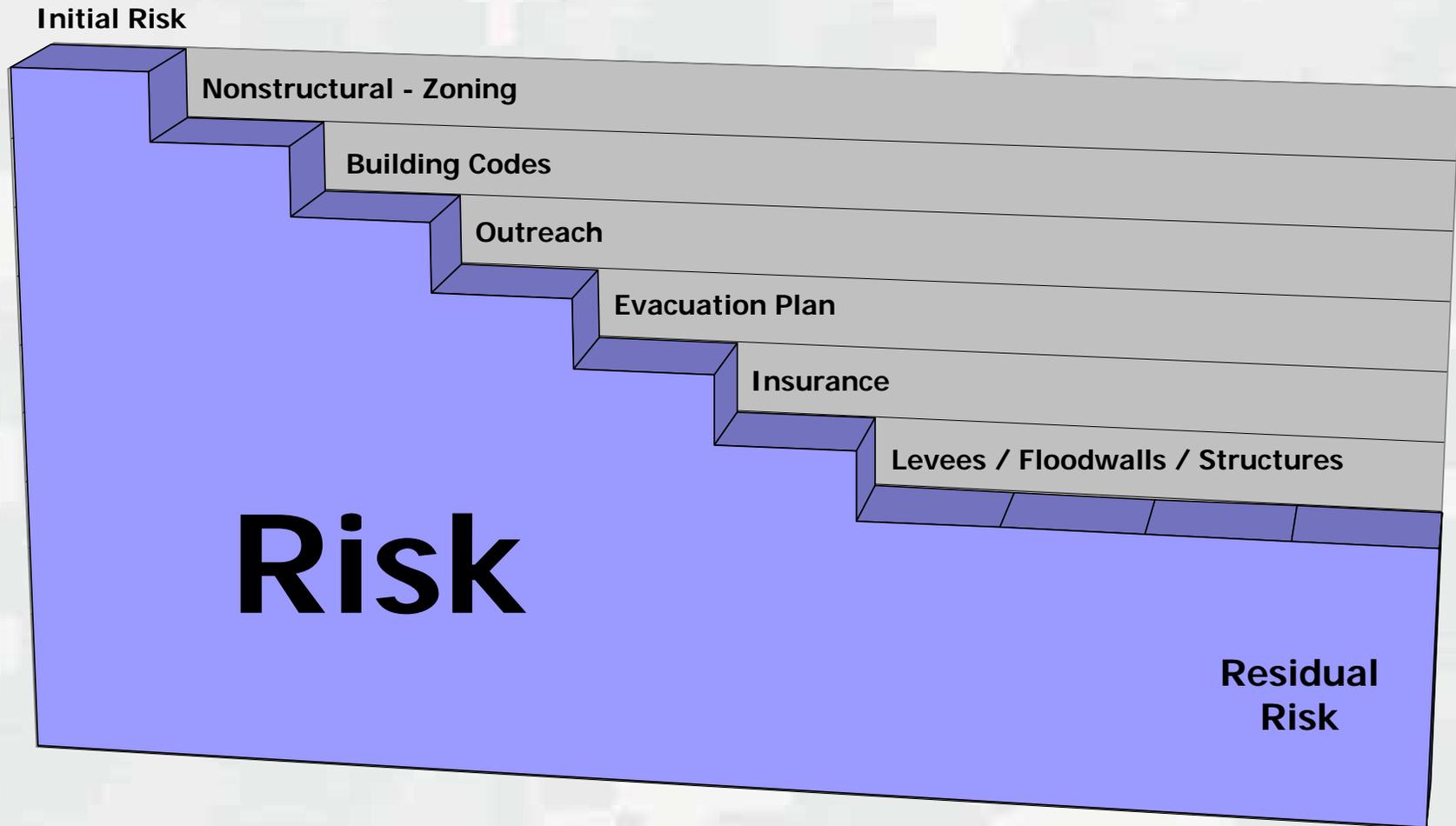
# Meeting Purpose

**Construction of the risk reduction features at Pump Station 11 and Pump Station 13 will generate impacts to residents and businesses near the project sites.**

**This meeting will provide an overview of the planned improvements to the hurricane system in Algiers including an update of the Gulf Intracoastal Waterway West Closure Complex and describe the Corps' efforts to identify and minimize construction impacts to neighboring communities.**



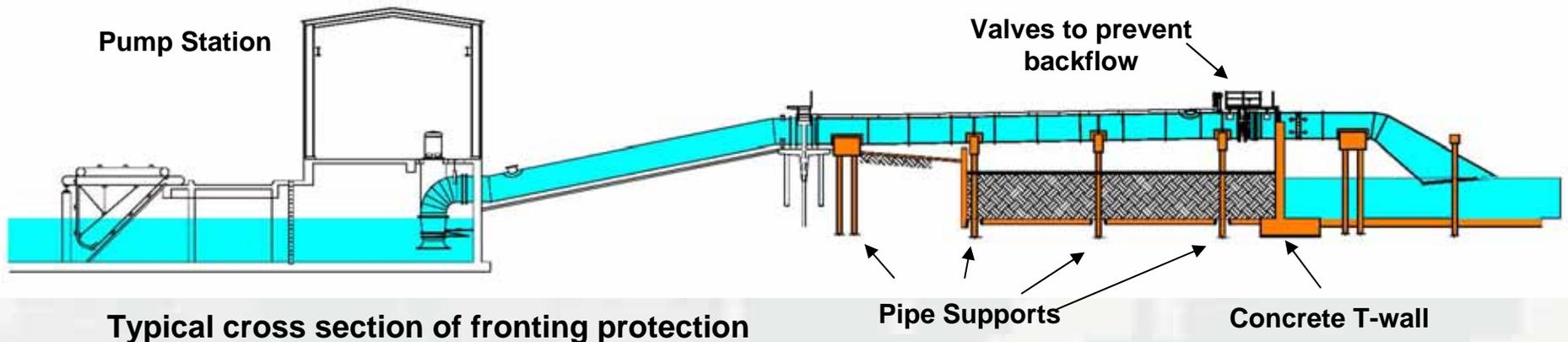
# Buying Down Risk





# Purpose of Fronting Protection

- Risk Reduction
  - Construction of a continuous concrete T-wall in front of pump stations
  - Valves or gates to keep water from flowing back through pumps



# Sewerage and Water Board Pump Stations 11 and 13 Current Status



- Existing walls do not meet current design criteria
- Existing walls are not continuous across pump stations resulting in gaps in the risk reduction system

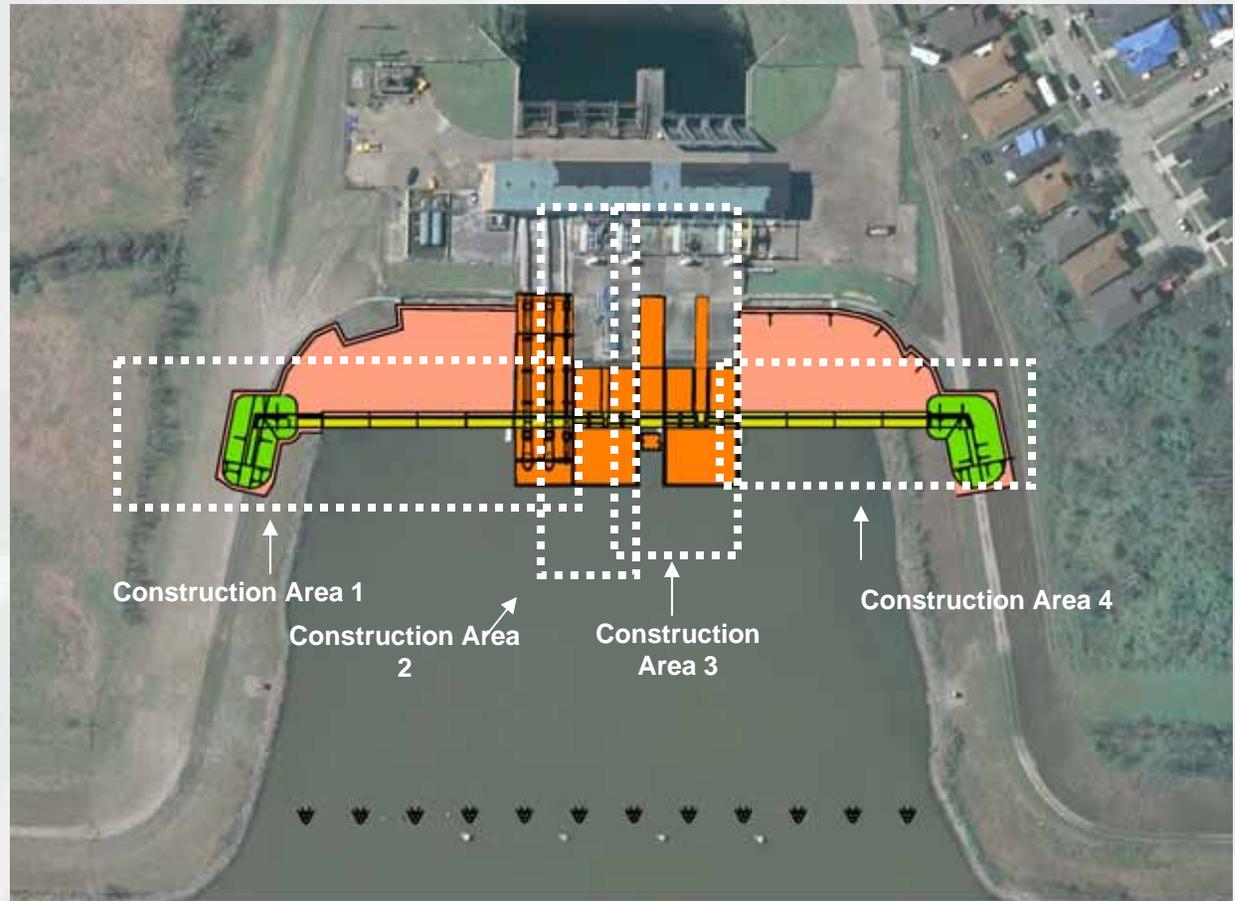


- Water could flow back through the pumps
- Current pump stations may allow water seepage



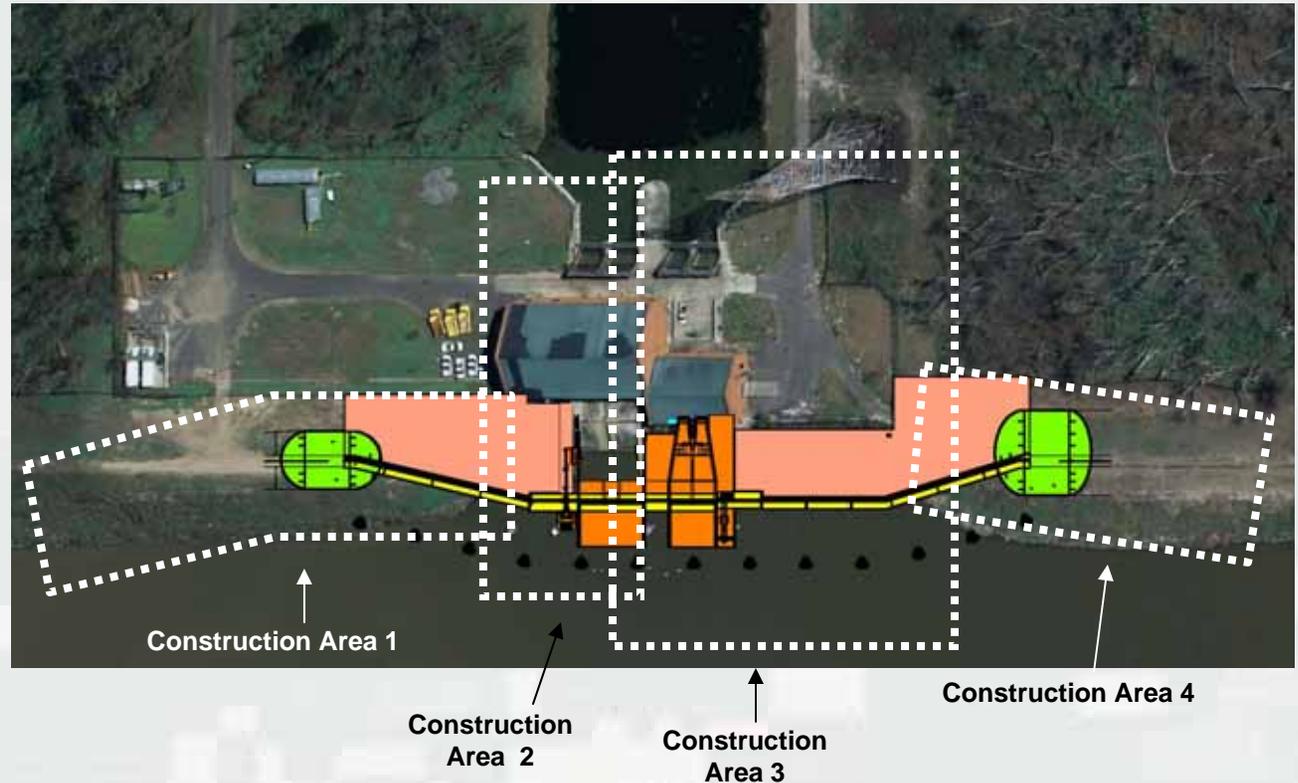
# Sewerage and Water Board Pump Station 13

- Includes seven pumps with a capacity of 4,650 cubic feet per second
- Construction will be done in phases
- Phased construction allows for continued operation of pumps



# Sewerage and Water Board Pump Station 11

- Includes five pumps with a capacity of 1,670 cubic feet per second
- Construction will be done in phases
- Phased construction allows for continued operation of pumps



# What To Expect During Construction of Fronting Protection at Pump Stations 11 and 13

- **Construction impacts**
  - Elevated noise levels from motors, pumps, generators, pile driving, etc.
  - Increased truck traffic
- **Corps' efforts to minimize impacts**
  - Contractor has ability to both use canal and road access
  - Wet unpaved roads (to minimize dust)



Construction of T-walls in front of Pump Station 11 and 13 will require pile driving.



# Sewerage and Water Board Pump Station 13

## Fronting Protection



# Sewerage and Water Board Pump Station 11

## Fronting Protection



# Existing Fronting Protection S&WB Pump Station No. 6



Fronting protection at Pump Station 13 will look similar to the T-wall at Pump Station 6



# Existing Fronting Protection S&WB Pump Station No. 6



Fronting protection at Pump Station 13 will look similar to fronting protection at Pump Station 6 at the 17<sup>th</sup> Street Canal in New Orleans.



# Request for Waiver

- Corps has requested a waiver from the New Orleans Department of Health to allow for extended work hours at Pump Stations 11 and 13

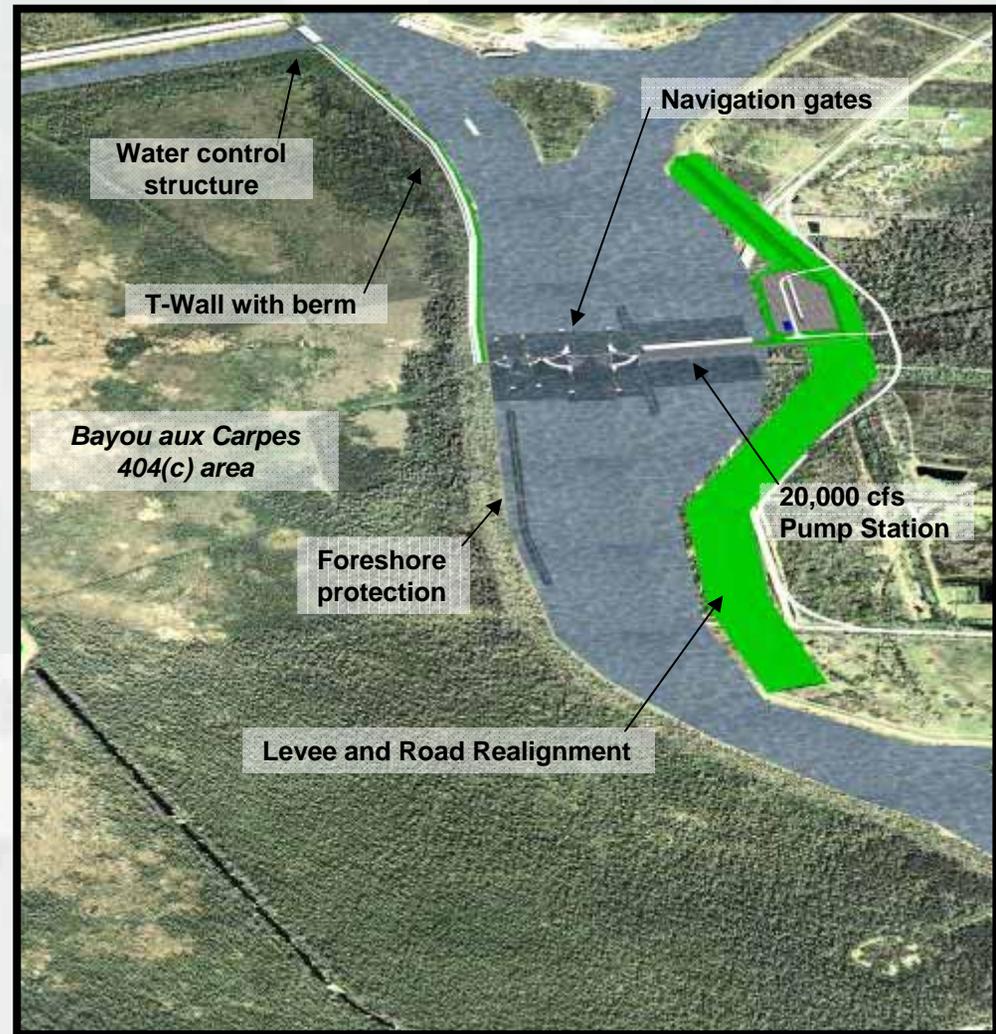
**“When the contractor elects to work weekends, holidays, and nights, notice shall be given to the Contracting Officer, in writing, 36 hours in advance of commencement of such operations to permit suitable arrangements for inspections to be made. Adequate lighting for thorough inspection of night operations shall be provided by the Contractor at his/her own expense. However, no pile driving or extracting operations shall be performed between the hours of 10:00 p.m. and 7:00 a.m.”**

- Pump Station 11 work hours would be 24/7
- Pump Station 13 work hours would be 24/7



# Gulf Intracoastal Waterway West Closure Complex

- Most significant feature of the Westbank and Vicinity Project
- Includes the nation's largest Pump Station (20,000 cubic feet per second)
- 225-foot primary navigation gate
- 75-foot secondary navigation gate
- T-wall along edge of Bayou aux Carpes CWA 404(c) wetlands
- Water Control Structure
- Levee and East Bayou Road Realignment
- Environmental Mitigation and Augmentations
- Foreshore Protection



# Gulf Intracoastal Waterway West Closure Complex Pump Station



The completed pump station will be about 80 ft tall and 600 ft long



# Gulf Intracoastal Waterway West Closure Complex Pump Station



The 20,000 cubic feet per second pump station would evacuate stormwater from the Harvey and Algiers canals during a storm event.



# Onsite Inspection

## Quality Control/Quality Assurance

- Onsite Corps employee oversight
- Monitors the construction contractor
- Ensures sites are safe and signage is clear
- Confirms traffic control measures are maintained and meet safety standards
- Knowledgeable of site activities



# Currently Available for Public Review

## IER 30 – Contractor Furnished Borrow Material #5

- Released Aug. 14, 2009
- Comment period closes on Sept. 12, 2009

Note - copies available at [www.nolaenvironmental.gov](http://www.nolaenvironmental.gov) or by request



# Upcoming Public Meetings

**Monday, Aug. 31, 2009**

Mitigation public meeting  
US Army Corps of Engineers, DARM A  
7400 Leake Ave.  
New Orleans, LA 70118  
Meeting 1 to 4 p.m.

**Wednesday, Sept. 2, 2009**

Comprehensive Environmental Document  
scoping meeting  
US Army Corps of Engineers, DARM A  
7400 Leake Ave.  
New Orleans, LA 70118  
Open house is from 6 to 6:30 p.m.  
Presentation begins at 6:30 p.m.

**Thursday, Sept. 3, 2009**

Plaquemines Parish Pump Station and WCC  
Bayou Barriere Golf Clubhouse  
7427 Hwy 23  
Belle Chasse, LA 70037  
Open house is from 6 to 6:30 p.m.  
Presentation begins at 6:30 p.m.

**Saturday, Sept. 12, 2009**

New Orleans to Venice Scoping meeting  
Woodland Plantation  
21997 Highway 23  
West Point a La Hache, LA 70083  
Open House 9:00 to 9:30 a.m.  
Presentation 9:30 a.m.

**Saturday, Sept. 12, 2009**

New Orleans to Venice Scoping meeting  
Boothville-Venice Elementary School  
#1 Oiler Dr.  
Boothville, LA  
Open house 3:00 p.m. to 3:30 pm  
Presentation 3:30

**Saturday, Sept. 19, 2009**

Eastern Tie In and Plaquemines Parish Non-  
Federal Levee public workshop  
Belle Chasse High School  
8346 Highway 23  
Belle Chasse, LA 70037-2694  
Opening remarks 9 a.m.  
Sessions 9:30 a.m.



# Opportunities for Public Input

- Regular public meetings throughout the Hurricane and Storm Damage Risk Reduction System (HSDRRS) Area
- Make sure to sign in tonight to get on our meeting notification mailing list
- Comments can be submitted at any time at [www.nolaenvironmental.gov](http://www.nolaenvironmental.gov)

Questions and comments may be submitted to  
Telephone: 504-862-2201  
[E-mail: AskTheCorps@usace.army.mil](mailto:AskTheCorps@usace.army.mil)



# Resources

[www.nolaenvironmental.gov](http://www.nolaenvironmental.gov)

The screenshot shows the homepage of the NOLA Environmental website. The header features the 'NO LA Environmental' logo and the text 'NEW ORLEANS, LOUISIANA Environmental Compliance Data Bank' with the website URL 'www.nolaenvironmental.gov'. A navigation menu includes 'PROJECTS', 'MEETINGS', 'LIBRARY', 'DATA VIEWER', 'GET INVOLVED', and 'RELATED LINKS'. The main content area is divided into several sections: a welcome message, an 'Announcements' list with bullet points about public comment periods for various projects (e.g., Draft IER 7, Draft IER 13, Draft IER 5, Draft IER 16, Draft IER 6, Orleans Parish Pump Station, Jefferson Parish Pump Station), an 'Upcoming' section with dates for public meetings and comment periods, and a 'Newly Available' section highlighting the 'NOLA Environmental Basic Data Viewer'. A 'FEATURED PROJECT' box on the left describes the 'USACE-MVH Emergency Alternative Arrangements Greater New Orleans Hurricane and Storm Damage Risk Reduction System Projects' with a map image.

<http://www.mvn.usace.army.mil>

The screenshot shows the website for the US Army Corps of Engineers New Orleans District. The header includes the organization's name and a search bar. The main content area features a 'Floodwall' article with a photo of a wall, a 'PUBLIC INFORMATION' sidebar with links to 'Learn more about what the Corps is doing to reduce our impact', 'Emergency Information', and 'NOLA Environmental'. Below the main article are three columns: 'TOP HEADLINES' with links to documents and news, 'ASK THE CORPS' with a question about the closing of Industrial Locks, and 'FEATURED VIDEOS' with thumbnails for 'Meet Orleans Complex' and 'Hurricane & Storm Damage Risk Reduction System'. The footer contains a navigation menu with links for 'HOME', 'DISCLAIMER', 'PUBLIC INQUIRY', 'EMERGENCY AND SECURITY', 'FOIA', 'INFORMATION QUALITY ACT', and 'ACCESSIBILITY'.

